Cisco APIC NX-OS Style CLI Command Reference, Release 4.2(x)

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Preface

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Audience

This guide is intended for network and systems administrators who configure and maintain the Application Centric Infrastructure fabric.

Document Conventions

Command descriptions use the following conventions:

Convention	Description
bold	Bold text indicates the commands and keywords that you enter literally as shown.
Italic	Italic text indicates arguments for which the user supplies the values.
[x]	Square brackets enclose an optional element (keyword or argument).
[x | y]	Square brackets enclosing keywords or arguments separated by a vertical bar indicate an optional choice.
{x | y}	Braces enclosing keywords or arguments separated by a vertical bar indicate a required choice.
[x {y | z}]	Nested set of square brackets or braces indicate optional or required choices within optional or required elements. Braces and a vertical bar within square brackets indicate a required choice within an optional element.
`variable`	Indicates a variable for which you supply values, in context where italics cannot be used.

Convention	Description
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.

Examples use the following conventions:

Convention	Description
screen font	Terminal sessions and information the switch displays are in screen font.
boldface screen font	Information you must enter is in boldface screen font.
italic screen font	Arguments for which you supply values are in italic screen font.
< >	Nonprinting characters, such as passwords, are in angle brackets.
[ ]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

This document uses the following conventions:

Note   Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.

Caution   Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Warning   IMPORTANT SAFETY INSTRUCTIONS

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device.

SAVE THESE INSTRUCTIONS

Related Documentation

Cisco Application Centric Infrastructure (ACI) Documentation

The ACI documentation is available at the following URL: http://www.cisco.com/c/en/us/support/cloud-systems-management/application-policy-infrastructure-controller-apic/tsd-products-support-series-home.html.

Cisco Application Centric Infrastructure (ACI) Simulator Documentation

The Cisco ACI Simulator documentation is available at http://www.cisco.com/c/en/us/support/cloud-systems-management/application-centric-infrastructure-simulator/tsd-products-support-series-home.html.

Cisco Nexus 9000 Series Switches Documentation

The Cisco Nexus 9000 Series Switches documentation is available at http://www.cisco.com/c/en/us/support/switches/nexus-9000-series-switches/tsd-products-support-series-home.html.

Cisco Application Virtual Switch Documentation

The Cisco Application Virtual Switch (AVS) documentation is available at http://www.cisco.com/c/en/us/support/switches/application-virtual-switch/tsd-products-support-series-home.html.

Cisco Application Centric Infrastructure (ACI) Integration with OpenStack Documentation

Cisco ACI integration with OpenStack documentation is available at http://www.cisco.com/c/en/us/support/cloud-systems-management/application-policy-infrastructure-controller-apic/tsd-products-support-series-home.html.

Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to apic-docfeedback@cisco.com. We appreciate your feedback.
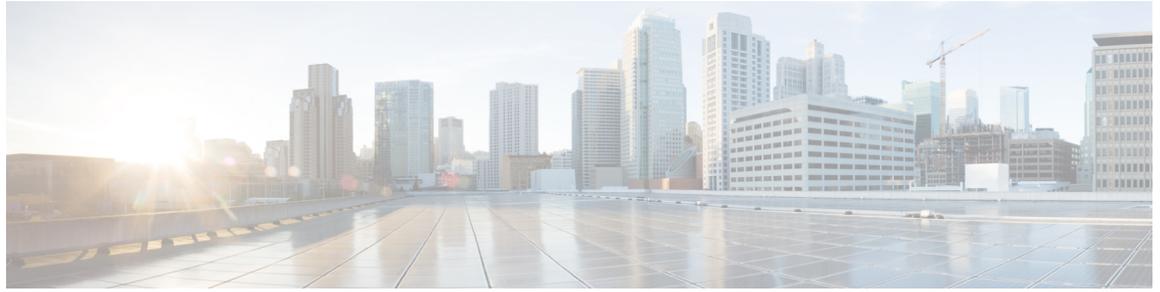
Using the APIC CLI

-

Using the NX-OS Style CLI

Note

The APIC NX-OS style CLI uses similar syntax and other conventions to the Cisco NX-OS CLI, but the APIC operating system is not a version of Cisco NX-OS software. Do not assume that a Cisco NX-OS CLI command works with or has the same function on the APIC CLI.

Abbreviating Commands

You can abbreviate commands and keywords by entering the first few characters of a command. The abbreviation must include sufficient characters to make it unique from other commands or keywords. If you are having trouble entering a command, check the system prompt and enter the question mark (?) for a list of available commands. You might be in the wrong command mode or using incorrect syntax. Command abbreviation is shown in the following example:

```
apic1# show aaa authentication
Default : local
Console : local

apic1# sh aa a
Default : local
Console : local
```

Command Completion

To complete a command or keyword after entering an abbreviated string, press the **Tab** key. The CLI completes the command or keyword only if the partial string matches only one command or keyword.

Note

Some commands, such as `show hardware internal power-management`, require the **Tab** key for partial completion and the **ESC** key for the remainder of the completion.

Viewing Command Options

After typing a partial command, you can display the command options by typing a question mark (**?**), as shown in the following example:

```
apic1# show aaa ?
 authentication  Show AAA Authentication information
 groups          Show AAA group information
```

Command History

The history buffer stores the previous commands you entered. Using the **Up** arrow key (or typing **Ctrl-P**), you can recall commands in the history buffer, beginning with the most recent command. Repeat the key sequence to recall successively older commands. To return to more recent commands in the history buffer after recalling commands, use the **Down** arrow key or type **Ctrl-N**).

Filtering show Command Output

You can use the vertical bar (|) with any show command and include a filter option and filtering expression. The filtering is performed by matching each output line with a regular expression. By selecting different filter options you can include or exclude all output that matches the expression. You can also display all output beginning with the line that matches the expression.

An example of filtering options with the show command is as follows:

```
apic1# show aaa authentication
Default : local
Console : local

apic1# show aaa authentication | grep Console
Console : local
apic1#
```

Displaying a List of Commands and Syntax

To display a list of CLI commands and their syntax, use the **show cli list** command, as shown in the following example

```
apic1# show cli list
[      ][mode] [None           ] exec
[cfg ][mode] [exec            ] configure   [['terminal', 't']]
[cfg ][mode] [configure       ] power   redundancy-policy <WORD>
[cfg ][cmd ] [power           ] redundancy-mode   combined|ps-redundant|redundant
.
.
.
```

You can filter the output of this command, as shown in the following example:

```
apic1# show cli list | grep ntp
[cfg ][mode] [pod            ] ntp
[cfg ][cmd ] [ntp            ] authenticate
[cfg ][cmd ] [ntp            ] authentication-key   <id> [md5 <md5>]
.
.
.
```

Negating a Command with the no Prefix

Almost every configuration command has a **no** form that can be used to disable a feature, revert to a default value, or remove a configuration.

To disable a feature, remove a created object, or revert a configuration setting to its default value, most configuration commands can be preceded with the prefix '**no**'.

New, Changed, and Deprecated Commands

- New, Changed, and Deprecated Commands in Cisco APIC Release 4.2(3), on page 6

New, Changed, and Deprecated Commands in Cisco APIC Release 4.2(3)

The following sections describe changes in the APIC NXOS-style CLI since Release 4.2(1) .

New Commands

The following commands are added in this release.

- as-path multipath-relax

- custom-epg-name <custom_name>

- inherit bgp bestpath <WORD>

- restricted_rbac_enable

- template bgp bestpath <WORD> tenant <WORD>

- trigger upgradetriagetool

Changed Commands

The following commands are modified in this release.

- OLD: endpoint ip <A.B.C.D/LEN> next-hop <A.B.C.D>

- NEW: endpoint ip <A.B.C.D/LEN> next-hop <A.B.C.D> [scope <scope>]

- OLD: endpoint ipv6 <A:B::C:D/LEN> next-hop <A:B::C:D>

- NEW: endpoint ipv6 <A:B::C:D/LEN> next-hop <A:B::C:D> [scope <scope>]

- OLD: set conform-cos-transmit <0-6>

- NEW: set conform-cos-transmit <0-7>

- OLD: set exceed-cos-transmit <0-6>

- NEW: set exceed-cos-transmit <0-7>

- OLD: set violate-cos-transmit <0-6>

- NEW: set violate-cos-transmit <0-7>

- OLD: vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
  [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
  staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
  [untagged-access-pg] [delimiter <WORD>]

- NEW: vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
  [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
  staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
  [untagged-access-pg] [custom-epg-name <WORD>] [delimiter <WORD>]

Deprecated Commands

No commands are removed in this release.

A Commands

aaa authentication login console

aaa authentication login console

Description: Configure console methods

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login console
```

aaa authentication login default

aaa authentication login default

Description: Configure default methods

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login default
```

aaa authentication login domain

aaa authentication login domain <WORD>

Description: Configure domain methods

Syntax:

WORD	Login domain name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login domain <WORD>
```

aaa authentication login fallback-check

aaa authentication login fallback-check

Description: checks if default auth servers are active or not before allowing fallback login

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login fallback-check
```

aaa authentication login ping-check

aaa authentication login ping-check

Description: Enables ICMP health check of AAA servers

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login ping-check
```

aaa banner

aaa banner <LINE>

Description: CLI informational banner to be displayed before user login (wrap with single quotes)

Syntax:

LINE	CLI informational banner to be displayed before user login (wrap with single quotes) (Max Size None)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa banner <LINE>
```

aaa group server ldap

aaa group server ldap <WORD>

Description: LDAP server group name.

Syntax:

WORD	LDAP server group name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa group server ldap <WORD>
```

aaa group server radius

aaa group server radius <WORD>

Description: RADIUS server group name.

Syntax:

WORD	RADIUS server group name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa group server radius <WORD>
```

aaa group server rsa

aaa group server rsa <WORD>

Description: RSA server group name.

Syntax:

WORD	RSA server group name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa group server rsa <WORD>
```

aaa group server tacacsplus

aaa group server tacacsplus <WORD>

Description: TACACS+ server group name.

Syntax:

WORD	TACACS+ server group name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa group server tacacsplus <WORD>
```

aaa user default-role

aaa user default-role <default-role-policy>

Description: Default role assigned by aaa-admin for remote authentication

Syntax:

<default-role-policy>	<default-role-policy>

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa user default-role <default-role-policy>
```

absolute

absolute window <WORD>

Description: Absolute window configuration mode

Syntax:

window	Configure scheduler window
WORD	Window name (Max size 31)

Command Mode: scheduler : Scheduler configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# absolute window <WORD>
```

access-encap

access-encap vlan <NUMBER>

Description: set the access-vlan for the qinq tunnel

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094

Command Mode: dot1q-tunnel : Tunnel configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dot1q-tunnel <WORD>
(config-tenant-tunnel)#access-encap vlan <NUMBER>
```

access-group

access-group <WORD> <WORD> [action <WORD>] [priority <WORD>] log no-stats

Description: Apply an access-list on this subject

Syntax:

WORD	Name of the access-list to apply (Max Size 64)
WORD	Directions
WORD	(Optional) PermitOrDeny
WORD	(Optional) priority override
log	Log packets hitting the ACL
no-stats	Stats collection for the current entry

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# access-group <WORD> <WORD> [action <WORD>] [priority <WORD>]
 log no-stats
```

access-list

access-list <WORD>

Description: Create access-list

Syntax:

| WORD | Access-list Name (Max Size 64) |

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
```

account-status

account-status <WORD>

Description: Set The status of the locally-authenticated user account.

Syntax:

WORD	status of the locally-authenticated user account

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# account-status <WORD>
```

action

action merge|replace

Description: Snapshot import action merge|replace

Syntax:

merge	Merge with existing configuration
replace	Replace existing configuration

Command Mode: snapshot import : Configuration import setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot import <WORD>
(config-import)# action merge|replace
```

active-flow-timeout

active-flow-timeout <activeFlowTimeout>

Description: Configure Active Flow TimeOut

Syntax:

activeFlowTimeout	Configure Active Flow TimeOut. Number range from=60 to=3600

Command Mode: flow exporter : Configure NetFlow Exporter Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-dvs
(config-vmware-dvs)# flow exporter <WORD>
(config-vmware-dvs-flow-exporter)# active-flow-timeout <activeFlowTimeout>
```

active-flow-timeout <activeFlowTimeout>

Description: Configure Active Flow TimeOut

Syntax:

activeFlowTimeout	Configure Active Flow TimeOut. Number range from=60 to=3600

Command Mode: flow exporter : Configure NetFlow Exporter Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# flow exporter <WORD>
(config-None)# active-flow-timeout <activeFlowTimeout>
```

active-flow-timeout <activeFlowTimeout>

Description: Configure Active Flow TimeOut

Syntax:

activeFlowTimeout	Configure Active Flow TimeOut. Number range from=60 to=3600

Command Mode: flow exporter : Configure NetFlow Exporter Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
```

```
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# flow exporter <WORD>
(config-None)# active-flow-timeout <activeFlowTimeout>
```

address-family

address-family ipv4|ipv6 unicast

Description: Address Family

Syntax:

ipv4	IPv4 address family
ipv6	IPv6 address family
unicast	Unicast delivery model

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# address-family ipv4|ipv6 unicast
```

address-family ipv4|ipv6 unicast

Description: EIGRP Policy Address Family

Syntax:

ipv4	Address Family IPv4
ipv6	Address Family IPv6
unicast	Unicast

Command Mode: vrf : Configure VRF information

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
```

address-family ipv4|ipv6|l2vpn unicast|multicast|evpn

Description: Configure an address-family for peer

Syntax:

ipv4	Configure IPv4 address-family
ipv6	Configure IPv6 address-family

l2vpn	Configure l2vpn address-family
unicast	Configure Unicast sub-address-family
multicast	Configure Multicast sub-address-family
evpn	Configure EVPN sub-address-family

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# address-family ipv4|ipv6|l2vpn unicast|multicast|evpn
```

address-family ipv4|ipv6 unicast

Description: Configure an address-family

Syntax:

ipv4	Configure IPv4 address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# address-family ipv4|ipv6 unicast
```

address-family ipv4|ipv6 unicast

Description: Address Family

Syntax:

ipv4	IPv4 address family
ipv6	IPv6 address family
unicast	Unicast delivery model

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# address-family ipv4|ipv6 unicast
```

address-family ipv4|ipv6 unicast

Description: EIGRP Policy Address Family

Syntax:

ipv4	Address Family IPv4
ipv6	Address Family IPv6
unicast	Unicast

Command Mode: vrf : Configure VRF information

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
```

address-family ipv4|ipv6|l2vpn unicast|multicast|evpn

Description: Configure an address-family for peer

Syntax:

ipv4	Configure IPv4 address-family
ipv6	Configure IPv6 address-family
l2vpn	Configure l2vpn address-family
unicast	Configure Unicast sub-address-family
multicast	Configure Multicast sub-address-family
evpn	Configure EVPN sub-address-family

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
```

```
<WORD>]
(config-leaf-bgp-vrf-neighbor)# address-family ipv4|ipv6|l2vpn unicast|multicast|evpn
```

address-family ipv4|ipv6 unicast

Description: Configure an address-family

Syntax:

ipv4	Configure IPv4 address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# address-family ipv4|ipv6 unicast
```

address-pool

address-pool <ippool> <connection-type>

Description: Configure External IP Address Pool

Syntax:

ippool	ippool
connection-type	bridge-domain/l3-external

Command Mode: l4l7 resource-pool : Configure L4-L7 Service Resource Pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# address-pool <ippool> <connection-type>
```

address-pool <PoolName> <gateway-address>

Description: Configure Address Pool

Syntax:

PoolName	Name of the pool
gateway-address	gateway-address

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# address-pool <PoolName> <gateway-address>
```

address-range

address-range <start> <end>

Description: Add Unicast Address Range

Syntax:

start	Start Address
end	End Address

Command Mode: address-pool : Configure Address Pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# address-pool <PoolName> <gateway-address>
(config-tenant-addrinst)# address-range <start> <end>
```

address

address <A.B.C.D> [preferred]

Description: Configure the IP address for dns servers

Syntax:

A.B.C.D	IP Unicast address in format i.i.i.i
preferred	(Optional) Configure the address to be preferred

Command Mode: dns : Configure default dns policy

Command Path:

```
# configure [['terminal', 't']]
(config)# dns
(config-dns)# address <A.B.C.D> [preferred]
```

admin-rx-state

admin-rx-state <admin-rx-state>

Description: Set adminRxSt for lldp policy

Syntax:

admin-rx-state	Admin state

Command Mode: mgmt-lldp : Configure LLDP policy for management interfaces on spines and leaves

Command Path:

```
# configure [['terminal', 't']]
(config)# mgmt-lldp <WORD>
(config-mgmt-lldp)# admin-rx-state <admin-rx-state>
```

admin-state-enable

admin-state-enable

Description: Enable the state of the SSH communication service

Command Mode: ssh-service : SSH communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# ssh-service
(config-ssh-service)# admin-state-enable
```

admin-state-enable

Description: Enable the state of the TELNET communication service

Command Mode: telnet : TELNET communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# telnet
(config-telnet)# admin-state-enable
```

admin-state-enable

Description: Enable the state of the shellinabox communication service

Command Mode: shellinabox : SHELLINABOX communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# shellinabox
(config-shellinabox)# admin-state-enable
```

admin-state-enable

Description: Enable the state of the HTTP communication service

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# admin-state-enable
```

admin-state-enable

Description: Enable the state of the HTTPS communication service

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# admin-state-enable
```

admin-state-enable

Description: Enable the api montiroring

Command Mode: performance : Nginx Requested Response Time Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# performance
(config-performance)# admin-state-enable
```

admin-state

admin-state <admin-state>

Description: Set adminSt for cdp policy

Syntax:

admin-state	Admin state

Command Mode: mgmt-cdp : Configure CDP policy for management interfaces on spines and leaves

Command Path:

```
# configure [['terminal', 't']]
(config)# mgmt-cdp <WORD>
(config-mgmt-cdp)# admin-state <admin-state>
```

admin-tx-state

admin-tx-state <admin-tx-state>

Description: Set adminTxSt for lldp policy

Syntax:

admin-tx-state	Admin state

Command Mode: mgmt-lldp : Configure LLDP policy for management interfaces on spines and leaves

Command Path:

```
# configure [['terminal', 't']]
(config)# mgmt-lldp <WORD>
(config-mgmt-lldp)# admin-tx-state <admin-tx-state>
```

admin

admin enable

Description: Set admin state of syslog group

Syntax:

enable	Enable

Command Mode: logging : Logging server group configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# logging server-group <WORD>
(config-logging)# admin enable
```

advertise-host-routes

advertise-host-routes

Description: Enable advertising host-routes

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# advertise-host-routes
```

advertise-subnet

advertise-subnet

Description: Advertise ip subnet instead of a host mask in the router LSA

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# advertise-subnet
```

advertise-subnet

Description: Advertise ip subnet instead of a host mask in the router LSA

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# advertise-subnet
```

aggregate-address

aggregate-address <IP-PREFIX/LEN> [as-set]

Description: Route summarization

Syntax:

IP-PREFIX/LEN	Aggregate IPv4 address and mask length
as-set	(Optional) Autonomous system set path information and community information

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# aggregate-address <IP-PREFIX/LEN> [as-set]
```

aggregate-address <IP-PREFIX/LEN> [as-set]

Description: Route summarization

Syntax:

IP-PREFIX/LEN	Aggregate IPv4 address and mask length
as-set	(Optional) Autonomous system set path information and community information

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# aggregate-address <IP-PREFIX/LEN> [as-set]
```

algo

algo wred|tail-drop

Description: Configure the global QOS policies

Syntax:

wred	Set parameters for wred
tail-drop	Set parameters for tail-drop

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# algo wred|tail-drop
```

allow-credential

allow-credential

Description: Enable HTTP Access-Control-Allow-Credentials header

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# allow-credential
```

allow-credential

Description: Enable HTTPS Access-Control-Allow-Credentials header

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# allow-credential
```

allow-origin

allow-origin <WORD>

Description: The URL to return in the Access-Control-Allow-Origin HTTP header

Syntax:

WORD	The URL to return in the Access-Control-Allow-Origin HTTP header (Max Size 256)

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# allow-origin <WORD>
```

allow-origin <WORD>

Description: The URL to return in the Access-Control-Allow-Origin HTTPS header

Syntax:

WORD	The URL to return in the Access-Control-Allow-Origin HTTPS header (Max Size 256)

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# allow-origin <WORD>
```

allow-promiscuous

allow-promiscuous enable

Description: Enable/disable promiscuous mode on trunk

Syntax:

enable	enable

Command Mode: trunk-portgroup : Configure a trunk port group in the VMWare domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# trunk-portgroup <>
(config-vmware-trunk)# allow-promiscuous enable
```

allow-self-as

allow-self-as

Description: Accept as-path with my AS present in it

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# allow-self-as
```

allow-self-as

Description: Accept as-path with my AS present in it

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# allow-self-as
```

allow-writes

allow-writes

Description: Allow writes for the RBAC rule

Command Mode: rbac rule : Create RBAC rule, security domain users can read subtree starting at specific object

Command Path:

```
# configure [['terminal', 't']]
(config)# rbac rule <DN> <WORD>
(config-rule)# allow-writes
```

allowed-self-as-count

allowed-self-as-count <NUMBER>

Description: The number of occurrences of a local access service network

Syntax:

<1-10>	Number of occurrences of AS number, default is 3. Number range from=1 to=10

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# allowed-self-as-count <NUMBER>
```

allowed-self-as-count <NUMBER>

Description: The number of occurrences of a local access service network

Syntax:

<1-10>	Number of occurrences of AS number, default is 3. Number range from=1 to=10

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# allowed-self-as-count <NUMBER>
```

analytics

analytics cluster <WORD>

Description: Configure external analytics reachability information

Syntax:

cluster	Analytics cluster name
WORD	Analytics cluster name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# analytics cluster <WORD>
```

anycast

anycast enable

Description: Configure an anycast feature on a Redirection policy, example: anycast enable

Syntax:

enable	Redirecion Policy for anycast feature, example: anycast enable

Command Mode: svcredir-pol : Configure L4L7 service redirection policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
(svcredir-pol)# anycast enable
```

application

application <WORD>

Description: application configuration mode

Syntax:

WORD	Application name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
```

application <WORD>

Description: application configuration mode

Syntax:

WORD	Application name (Max Size 64)

Command Mode: dnssvrgrp : dnssvrgrp configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dnssvrgrp <WORD>
(config-tenant-dnssvrgrp)# application <WORD>
```

area default-cost

area <A.B.C.D|NUMBER> default-cost <0-16777215>

Description: Set OSPF default area cost

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
<0-16777215>	Cost value

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> default-cost <0-16777215>
```

area <A.B.C.D|NUMBER> default-cost <0-16777215>

Description: Set OSPF default area cost

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
<0-16777215>	Cost value

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> default-cost <0-16777215>
```

area interpod

area <A.B.C.D|NUMBER> interpod peering

Description: InterPod Peering

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
peering	InterPod Peering

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> interpod peering
```

area <A.B.C.D|NUMBER> interpod peering

Description: InterPod Peering

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
peering	InterPod Peering

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> interpod peering
```

area l3out

area <A.B.C.D|NUMBER> l3out <l3out name>

Description: Enable OSPF in the L3Out

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
<l3out name>	Configure ASN on an API configured L3Out

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> l3out <l3out name>
```

area <A.B.C.D|NUMBER> l3out <l3out name>

Description: Enable OSPF in the L3Out

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
<l3out name>	Configure ASN on an API configured L3Out

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> l3out <l3out name>
```

area loopback

area <A.B.C.D|NUMBER> loopback <Loopback Ip Address>

Description: Configure OSPF on Loopback

Syntax:

<A.B.C.D/NUMBER>	OSPF area ID
<Loopback Ip Address>	Loopback Ip

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> loopback <Loopback Ip Address>
```

area <A.B.C.D|NUMBER> loopback <Loopback Ip Address>

Description: Configure OSPF on Loopback

Syntax:

<A.B.C.D/NUMBER>	OSPF area ID
<Loopback Ip Address>	Loopback Ip

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> loopback <Loopback Ip Address>
```

area nssa

area <A.B.C.D|NUMBER> nssa

Description: Configure area as nssa

Syntax:

<A.B.C.D/NUMBER>	OSPF area ID

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> nssa
```

area <A.B.C.D|NUMBER> nssa

Description: Configure area as nssa

Syntax:

<A.B.C.D/NUMBER>	OSPF area ID

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> nssa
```

area nssa default-information-originate

area <A.B.C.D|NUMBER> nssa default-information-originate [no-redistribute]

Description: Originate a default route

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
no-redistribute	(Optional) No Redistribute area option

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> nssa default-information-originate
[no-redistribute]
```

area <A.B.C.D|NUMBER> nssa default-information-originate [no-redistribute]

Description: Originate a default route

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
no-redistribute	(Optional) No Redistribute area option

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> nssa default-information-originate
[no-redistribute]
```

area nssa no-redistribute

area <A.B.C.D|NUMBER> nssa no-redistribute [default-information-originate]

Description: Configure area as no-redistribute

Syntax:

<A.B.C.D/NUMBER>	OSPF area ID
default-information-originate	(Optional) Originate a default route

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> nssa no-redistribute
[default-information-originate]
```

area <A.B.C.D|NUMBER> nssa no-redistribute [default-information-originate]

Description: Configure area as no-redistribute

Syntax:

<A.B.C.D/NUMBER>	OSPF area ID
default-information-originate	(Optional) Originate a default route

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> nssa no-redistribute
[default-information-originate]
```

area nssa translate

area <A.B.C.D|NUMBER> nssa translate type7 suppress-fa

Description: Translate LSAs

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
type7	From Type 7 to Type 5
suppress-fa	Suppress forwarding address in translated LSAs

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> nssa translate type7 suppress-fa
```

area <A.B.C.D|NUMBER> nssa translate type7 suppress-fa

Description: Translate LSAs

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
type7	From Type 7 to Type 5
suppress-fa	Suppress forwarding address in translated LSAs

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> nssa translate type7 suppress-fa
```

area range

area <A.B.C.D|NUMBER> range <IP-PREFIX/LENGTH> [cost <cost>]

Description: Range

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
IP-PREFIX/LENGTH	Summarized IP
cost	(Optional) Route cost

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> range <IP-PREFIX/LENGTH> [cost <cost>]
```

area <A.B.C.D|NUMBER> range <IP-PREFIX/LENGTH> [cost <cost>]

Description: Range

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID
IP-PREFIX/LENGTH	Summarized IP
cost	(Optional) Route cost

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> range <IP-PREFIX/LENGTH> [cost <cost>]
```

area route-map

area <A.B.C.D|NUMBER> route-map <WORD> out|in

Description: Set Route Map

Syntax:

<A.B.C.D/NUMBER>	OSPF area ID
WORD	Route Map Name (Max Size 63)
out	Apply policy to outgoing routes
in	Apply Policies for Incoming route

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> route-map <WORD> out|in
```

area <A.B.C.D|NUMBER> route-map <WORD> out|in

Description: Set Route Map

Syntax:

<A.B.C.D/NUMBER>	OSPF area ID
WORD	Route Map Name (Max Size 63)
out	Apply policy to outgoing routes
in	Apply Policies for Incoming route

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> route-map <WORD> out|in
```

area stub

area <A.B.C.D|NUMBER> stub

Description: Configure area as a stub

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> stub
```

area <A.B.C.D|NUMBER> stub

Description: Configure area as a stub

Syntax:

<A.B.C.D|NUMBER>	OSPF area ID

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# area <A.B.C.D|NUMBER> stub
```

arp-learning

arp-learning enabled|disabled

Description: Enable/Disable arp learning on AVS/AVE Domain

Syntax:

enabled	Enable arp learning
disabled	Disable arp learning

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# arp-learning enabled|disabled
```

arp-learning enabled|disabled

Description: Enable/Disable arp learning on AVS/AVE Domain

Syntax:

enabled	Enable arp learning
disabled	Disable arp learning

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# arp-learning enabled|disabled
```

arp

arp

Description: Config trust ARP in trust control policy

Command Mode: trust-control : Configuration for trust control policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# trust-control <WORD>
(config-tenant-fhs-trustctrl)# arp
```

arp flooding

arp flooding

Description: Enable ARP flooding

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# arp flooding
```

as-override

as-override

Description: AS-override attribute to this neighbor

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# as-override
```

as-override

Description: AS-override attribute to this neighbor

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# as-override
```

asn

asn <NUMBER>

Description: Configure BGP Autonomous System number

Syntax:

<1-4294967295>	Number that uniquely identifies an autonomous system. Number range from=1 to=4294967295

Command Mode: bgp-fabric : Border Gateway Protocol (BGP)

Command Path:

```
# configure [['terminal', 't']]
(config)# bgp-fabric
(config-bgp-fabric)# asn <NUMBER>
```

asn <NUMBER>

Description: Configure BGP Autonomous System number

Syntax:

<1-4294967295>	Number that uniquely identifies an autonomous system. Number range from=1 to=4294967295

Command Mode: bgp : Border Gateway Protocol (BGP)

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# bgp fabric
(config-pod-bgp)# asn <NUMBER>
```

attach-ave-ng

attach-ave-ng <OpflexDevid>

Description: Execute remote cli on AVE NG Device

Syntax:

<OpflexDevid>	Specify the AVE NG device

Command Mode: exec : Exec Mode

Command Path:

```
# attach-ave-ng <OpflexDevid>
```

attach-ave

attach-ave <OpflexDevid>

Description: Execute remote cli on AVE Device

Syntax:

<OpflexDevid>	Specify the AVE device

Command Mode: exec : Exec Mode

Command Path:

```
# attach-ave <OpflexDevid>
```

attach-avs

attach-avs <OpflexDevid>

Description: Execute remote cli on an Opflex Device

Syntax:

<OpflexDevid>	Specify the OpFlex device

Command Mode: exec : Exec Mode

Command Path:

```
# attach-avs <OpflexDevid>
```

attribute-logical-expression

attribute-logical-expression <logical-expression>

Description: Configure a logical expression as criteria

Syntax:

<logical-expression>	Enter a logical expression in the format: '<attributeType> <operator> <attributeValue>' For custom-label, enter logical expression in the format: 'custom <labelName> <operator> <labelValue>' For tags, enter logical expression in the format: 'tag <operator> <categoryName> <tagName>' - attributeType can take one of these values: vm-name, guest-os, hypervisor-id, vm-id, vnic, domain, datacenter, ip, mac, vm-folder, vmfolder-path - operator can take one of these values: equals, contains, startsWith, endsWith - operator should be 'equals' when attributeType is ip or mac - attributeValue, labelName, labelValue, categoryName and tagName accept a string - attributeValue can be 'use-epg-subnet' only when attributeType is ip - A logical expression can be formed by combining any of the above using 'AND'/'and'/'OR'/'or' - If any attribute value contains spaces or parenthesis, enclose it in backslashes ('\'). e.g.: attribute-logical-expression 'hypervisor-id equals host-123 OR tag contains TCAT_1 TTAG_1 AND (guest-os equals \Ubuntu Linux (64-bit)\ and domain contains fex)' e.g.: attribute-logical-expression 'ip equals 10.1.1.10 or ip equals use-epg-subnet'

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# attribute-logical-expression <logical-expression>
```

attribute

attribute <WORD>

Description: An LDAP endpoint attribute to be used as the CiscoAVPair

Syntax:

| *<WORD>* | LDAP endpoint attribute (Max Size 63) |

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# attribute <WORD>
```

auth-choice

auth-choice <authChoice>

Description: Set the LDAP Server authorization choice

Syntax:

| *authChoice* | authChoice |

Command Mode: aaa group server ldap : LDAP server group name.

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa group server ldap <WORD>
(config-ldap)# auth-choice <authChoice>
```

authenticate

authenticate

Description: Configure authentication for the default ntp policy

Command Mode: ntp : Configure the default ntp policy

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# ntp
(config-ntp)# authenticate
```

authenticate

Description: Configure authentication for the default ntp policy

Command Mode: template ntp-fabric : Network Time Protocol (NTP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template ntp-fabric <WORD>
(config-template-ntp-fabric)# authenticate
```

authentication-key-timeout

authentication-key-timeout <NUMBER>

Description: Configure the authentication key timeout

Syntax:

<0-32767>	Hold interval in seconds. Number range from=0 to=32767

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# authentication-key-timeout <NUMBER>
```

authentication-key-timeout <NUMBER>

Description: Configure the authentication key timeout

Syntax:

<0-32767>	Hold interval in seconds. Number range from=0 to=32767

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication-key-timeout <NUMBER>
```

authentication-key-timeout <NUMBER>

Description: Configure the authentication key timeout

Syntax:

<0-32767>	Hold interval in seconds. Number range from=0 to=32767

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
```

```
(config-if-hsrp)# authentication-key-timeout <NUMBER>
```

authentication-key-timeout <NUMBER>

Description: Configure the authentication key timeout

Syntax:

<0-32767>	Hold interval in seconds. Number range from=0 to=32767

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# authentication-key-timeout <NUMBER>
```

authentication-key-timeout <NUMBER>

Description: Configure the authentication key timeout

Syntax:

<0-32767>	Hold interval in seconds. Number range from=0 to=32767

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication-key-timeout <NUMBER>
```

authentication-key-timeout <NUMBER>

Description: Configure the authentication key timeout

Syntax:

<0-32767>	Hold interval in seconds. Number range from=0 to=32767

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication-key-timeout <NUMBER>
```

authentication-key

authentication-key <id> sha1|md5 <key>

Description: Configure ntp authentication keys for the default ntp policy

Syntax:

id	Id for the authentication key. Number range from=1 to=65535
sha1	use-hmac-sha1-algorithm-for-authentication
md5	use-hmac-md5-algorithm-for-authentication
key	Configure the authentication key (Max Size 40)

Command Mode: ntp : Configure the default ntp policy

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# ntp
(config-ntp)# authentication-key <id> sha1|md5 <key>
```

authentication-key <id> sha1|md5 <key>

Description: Configure ntp authentication keys for the default ntp policy

Syntax:

id	Id for the authentication key. Number range from=1 to=65535
sha1	use-hmac-sha1-algorithm-for-authentication
md5	use-hmac-md5-algorithm-for-authentication
key	Configure the authentication key (Max Size 40)

Command Mode: template ntp-fabric : Network Time Protocol (NTP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template ntp-fabric <WORD>
(config-template-ntp-fabric)# authentication-key <id> sha1|md5 <key>
```

authentication-key <LINE>

Description: Configure the authentication key

Syntax:

LINE	authentication key

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# authentication-key <LINE>
```

authentication-key <LINE>

Description: Configure the authentication key

Syntax:

LINE	authentication key

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication-key <LINE>
```

authentication-key <LINE>

Description: Configure the authentication key

Syntax:

LINE	authentication key

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication-key <LINE>
```

authentication-key <LINE>

Description: Configure the authentication key

Syntax:

LINE	authentication key

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# authentication-key <LINE>
```

authentication-key <LINE>

Description: Configure the authentication key

Syntax:

LINE	authentication key

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication-key <LINE>
```

authentication-key <LINE>

Description: Configure the authentication key

Syntax:

LINE	authentication key

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication-key <LINE>
```

authentication

authentication type compatible|strict

Description: Configure COOP authentication type

Syntax:

type	Configure COOP authentication type
compatible	Compatible type
strict	Strict type

Command Mode: coop-fabric : Council Of Oracles Protocol (COOP)

Command Path:

```
# configure [['terminal', 't']]
(config)# coop-fabric
(config-coop-fabric)# authentication type compatible|strict
```

authentication type compatible|strict

Description: Configure COOP authentication type

Syntax:

type	Configure COOP authentication type
compatible	Compatible type
strict	Strict type

Command Mode: coop : COOP protocol

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# coop fabric
(config-pod-coop)# authentication type compatible|strict
```

authentication simple|md5

Description: Authentication

Syntax:

simple	Plain text authentication
md5	Use MD5 authentication

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# authentication simple|md5
```

authentication simple|md5

Description: Authentication

Syntax:

simple	Plain text authentication
md5	Use MD5 authentication

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication simple|md5
```

authentication simple|md5

Description: Authentication

Syntax:

simple	Plain text authentication
md5	Use MD5 authentication

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication simple|md5
```

authentication simple|md5

Description: Authentication

Syntax:

simple	Plain text authentication
md5	Use MD5 authentication

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# authentication simple|md5
```

authentication simple|md5

Description: Authentication

Syntax:

simple	Plain text authentication
md5	Use MD5 authentication

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication simple|md5
```

authentication simple|md5

Description: Authentication

Syntax:

simple	Plain text authentication
md5	Use MD5 authentication

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# authentication simple|md5
```

authsvr

authsvr <WORD> <WORD> <svrMgmt> <WORD>

Description: Configure an auth server

Syntax:

WORD	Server Name (Max Size 64)
WORD	Server FQDN (Max Size None)
svrMgmt	Mgmt EPg
WORD	KeyRing name (Max Size 64)

Command Mode: authsvrgrp : authsvrgrp configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# authsvrgrp <WORD>
(config-tenant-authsvrgrp)# authsvr <WORD> <WORD> <svrMgmt> <WORD>
```

authsvrgrp

authsvrgrp <WORD>

Description: authsvrgrp configuration mode

Syntax:

WORD	Server group name (Max Size None)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# authsvrgrp <WORD>
```

auto-cost

auto-cost reference-bandwidth <NUMBER>

Description: Set OSPF Policy Bandwidth Reference

Syntax:

reference-bandwidth	OSPF Policy Bandwidth Reference
<1-4000000>	Bandwidth Reference Value in Mbps. Number range from=1 to=4000000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# auto-cost reference-bandwidth <NUMBER>
```

auto-cost reference-bandwidth <NUMBER>

Description: Set OSPF Policy Bandwidth Reference

Syntax:

reference-bandwidth	OSPF Policy Bandwidth Reference
<1-4000000>	Bandwidth Reference Value in Mbps. Number range from=1 to=4000000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# auto-cost reference-bandwidth <NUMBER>
```

auto-route-target

auto-route-target

Description: Configure Route Target

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# auto-route-target
```

auto-route-target

Description: Configure Route Target

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# auto-route-target
```

autonomous-system

autonomous-system <NUMBER> [l3out <l3out>]

Description: Autonomous System Configuration for EIGRP

Syntax:

<1-65535>	The autonomous system number. Number range from=1 to=65535
l3out	(Optional) Configure ASN on an API configured L3Out

Command Mode: vrf : Configure VRF information

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# autonomous-system <NUMBER> [l3out <l3out>]
```

autonomous-system <NUMBER> [l3out <l3out>]

Description: Autonomous System Configuration for EIGRP

Syntax:

<1-65535>	The autonomous system number. Number range from=1 to=65535
l3out	(Optional) Configure ASN on an API configured L3Out

Command Mode: vrf : Configure VRF information

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# autonomous-system <NUMBER> [l3out <l3out>]
```

autostate

autostate

Description: Enable or disable autostate for interface-vlan

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# autostate
```

autostate

Description: Enable or disable autostate for virtual-interface-profile

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# autostate
```

autostate

Description: Enable or disable autostate for interface-vlan

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# autostate
```

autostate

Description: Enable or disable autostate for virtual-interface-profile

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

```
(virtual-interface-profile)# autostate
```

avail-monitor

avail-monitor enable

Description: Enable AVE availability monitoring

Syntax:

enable	enable

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# avail-monitor enable
```

ave-timeout

ave-timeout <WORD>

Description: Configure AVE Timeout (seconds)

Syntax:

WORD	AVE Timeout (seconds)

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# ave-timeout <WORD>
```

B Commands

bandwidth

bandwidth <NUMBER>

Description: Set the desired bandwidth to police to

Syntax:

<0-100>	Bandwidth percentage guaranteed as %. Number range from=0 to=100

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# bandwidth <NUMBER>
```

basedn

basedn <WORD>

Description: The LDAP base DN for user lookup in the LDAP directory tree

Syntax:

<WORD>	user lookup in LDAP directory tree (Max Size 127)

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# basedn <WORD>
```

bash

bash

Description: Bash shell for unix commands

Command Mode: exec : Exec Mode

Command Path:

```
# bash
```

bd-enf-exp-ip

bd-enf-exp-ip add <ip>

Description: Enable Enforced BD Flag

Syntax:

add	BD Enforce Exception ip
ip	ip

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# bd-enf-exp-ip add <ip>
```

bd-enforce

bd-enforce enable

Description: Enable Enforced BD Flag

Syntax:

enable	Enable BD Enforcing

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# bd-enforce enable
```

bfd

bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# bfd enable
```

bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# bfd enable
```

bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
```

```
(config-interface-policy)# bfd enable
```

bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# bfd enable
```

bfd ip ipv6 authentication

bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>

Description: Configure BFD authentication

Syntax:

ip	IPv4
ipv6	IPv6
keyed-sha1	Configure Keyed SHA1 authentication
keyid	Configure authentication key ID
<keyid>	Authentication key ID. Number range from=1 to=255
key	Configure shared authentication key
WORD	Shared authentication key (Max Size 20)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>
```

bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>

Description: Configure BFD authentication

Syntax:

ip	IPv4
ipv6	IPv6
keyed-sha1	Configure Keyed SHA1 authentication
keyid	Configure authentication key ID
<keyid>	Authentication key ID. Number range from=1 to=255
key	Configure shared authentication key
WORD	Shared authentication key (Max Size 20)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>
```

bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>

Description: Configure BFD authentication

Syntax:

ip	IPv4
ipv6	IPv6
keyed-sha1	Configure Keyed SHA1 authentication
keyid	Configure authentication key ID
<keyid>	Authentication key ID. Number range from=1 to=255
key	Configure shared authentication key
WORD	Shared authentication key (Max Size 20)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>
```

bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>

Description: Configure BFD authentication

Syntax:

ip	IPv4
ipv6	IPv6
keyed-sha1	Configure Keyed SHA1 authentication
keyid	Configure authentication key ID
<keyid>	Authentication key ID. Number range from=1 to=255
key	Configure shared authentication key
WORD	Shared authentication key (Max Size 20)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>
```

bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>

Description: Configure BFD authentication

Syntax:

ip	IPv4
ipv6	IPv6
keyed-sha1	Configure Keyed SHA1 authentication
keyid	Configure authentication key ID
<keyid>	Authentication key ID. Number range from=1 to=255
key	Configure shared authentication key
WORD	Shared authentication key (Max Size 20)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>
```

bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>

Description: Configure BFD authentication

Syntax:

ip	IPv4
ipv6	IPv6
keyed-sha1	Configure Keyed SHA1 authentication
keyid	Configure authentication key ID
<keyid>	Authentication key ID. Number range from=1 to=255
key	Configure shared authentication key
WORD	Shared authentication key (Max Size 20)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# bfd ip|ipv6 authentication keyed-sha1 keyid <NUMBER> key <WORD>
```

bfd ip ipv6 inherit

bfd ip|ipv6 inherit interface-policy <WORD>

Description: Inherit BFD interface template policy

Syntax:

ip	IPv4
ipv6	IPv6
interface-policy	Associate the interface with a BFD interface policy
WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# bfd ip|ipv6 inherit interface-policy <WORD>
```

bfd ip|ipv6 inherit interface-policy <WORD>

Description: Inherit BFD interface template policy

Syntax:

ip	IPv4
ipv6	IPv6
interface-policy	Associate the interface with a BFD interface policy
WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# bfd ip|ipv6 inherit interface-policy <WORD>
```

bfd ip|ipv6 inherit interface-policy <WORD>

Description: Inherit BFD interface template policy

Syntax:

ip	IPv4
ipv6	IPv6
interface-policy	Associate the interface with a BFD interface policy
WORD	Policy name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# bfd ip|ipv6 inherit interface-policy <WORD>
```

bfd ip|ipv6 inherit interface-policy <WORD>

Description: Inherit BFD interface template policy

Syntax:

ip	IPv4
ipv6	IPv6
interface-policy	Associate the interface with a BFD interface policy
WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# bfd ip|ipv6 inherit interface-policy <WORD>
```

bfd ip|ipv6 inherit interface-policy <WORD>

Description: Inherit BFD interface template policy

Syntax:

ip	IPv4
ipv6	IPv6
interface-policy	Associate the interface with a BFD interface policy
WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# bfd ip|ipv6 inherit interface-policy <WORD>
```

bfd ip|ipv6 inherit interface-policy <WORD>

Description: Inherit BFD interface template policy

Syntax:

ip	IPv4
ipv6	IPv6
interface-policy	Associate the interface with a BFD interface policy
WORD	Policy name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# bfd ip|ipv6 inherit interface-policy <WORD>
```

bfd ip ipv6 tenant

bfd ip|ipv6 tenant mode

Description: Enable BFD Tenant Mode

Syntax:

ip	IPv4
ipv6	IPv6
mode	Mode

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# bfd ip|ipv6 tenant mode
```

bfd ip|ipv6 tenant mode

Description: Enable BFD Tenant Mode

Syntax:

ip	IPv4
ipv6	IPv6
mode	Mode

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# bfd ip|ipv6 tenant mode
```

bfd ip|ipv6 tenant mode

Description: Enable BFD Tenant Mode

Syntax:

ip	IPv4
ipv6	IPv6

mode	Mode

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# bfd ip|ipv6 tenant mode
```

bfd ip|ipv6 tenant mode

Description: Enable BFD Tenant Mode

Syntax:

ip	IPv4
ipv6	IPv6
mode	Mode

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# bfd ip|ipv6 tenant mode
```

bfd ip|ipv6 tenant mode

Description: Enable BFD Tenant Mode

Syntax:

ip	IPv4
ipv6	IPv6
mode	Mode

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# bfd ip|ipv6 tenant mode
```

bfd ip|ipv6 tenant mode

Description: Enable BFD Tenant Mode

Syntax:

ip	IPv4
ipv6	IPv6
mode	Mode

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# bfd ip|ipv6 tenant mode
```

bgp-fabric

bgp-fabric

Description: Border Gateway Protocol (BGP)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# bgp-fabric
```

bgp

bgp fabric

Description: Border Gateway Protocol (BGP)

Syntax:

fabric	Fabric BGP configuration

Command Mode: pod : Pod configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# bgp fabric
```

bgp evpn peering [type <type>] [password <password>]

Description: BGP EVPN Peering Profile

Syntax:

evpn	BGP EVPN Peering Profile
peering	BGP EVPN Peering Profile
type	(Optional) BGP EVPN Peering type
password	(Optional) BGP EVPN Peering Password

Command Mode: fabric-external : Intrasite/Intersite Connectivity Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# bgp evpn peering [type <type>] [password <password>]
```

bgp evpn peering [type <type>] [password <password>]

Description: BGP EVPN Peering Profile

Syntax:

evpn	BGP EVPN Peering Profile
peering	BGP EVPN Peering Profile
type	(Optional) BGP EVPN Peering type
password	(Optional) BGP EVPN Peering Password

Command Mode: pod : Pod Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# pod <NUMBER>
(config-fabric-external-pod)# bgp evpn peering [type <type>] [password <password>]
```

binddn

binddn <WORD>

Description: The LDAP bind DN for user lookup in the LDAP directory tree

Syntax:

<WORD>	user lookup in LDAP directory tree (Max Size 127)

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# binddn <WORD>
```

bpdu-filter

bpdu-filter

Description: Enable BPDU filter for extended chassis ports

Command Mode: spanning-tree : STP MST configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spanning-tree mst configuration
(config-stp)# bpdu-filter
```

breakout

breakout <breakout-map>

Description: Configure breakout ports

Syntax:

<breakout-map>	Breakout Map

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# breakout <breakout-map>
```

breakout <breakout-map>

Description: Configure breakout ports

Syntax:

<breakout-map>	Breakout Map

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# breakout <breakout-map>
```

breakout <breakout-map>

Description: Configure breakout ports

Syntax:

<breakout-map>	Breakout Map

Command Mode: spine-interface-group : Configure Spine Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
```

```
(config-spine-if-group)# breakout <breakout-map>
```

breakout <breakout-map>

Description: Configure breakout ports

Syntax:

| *<breakout-map>* | Breakout Map |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# breakout <breakout-map>
```

breakout <breakout-map>

Description: Configure breakout ports

Syntax:

| *<breakout-map>* | Breakout Map |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# breakout <breakout-map>
```

bridge-domain-match

bridge-domain-match

Description: Remove the global default-export route-profile

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# bridge-domain-match
```

bridge-domain-match

Description: Remove the global default-export route-profile

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# bridge-domain-match
```

bridge-domain

bridge-domain <WORD>

Description: Configuration for bridge-domain

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
```

bridge-domain member <WORD>

Description: Bind the EPG to a bridge-domain

Syntax:

member	Bind the EPG to a bridge-domain
WORD	bridge-domain to associate (Max Size 64)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# bridge-domain member <WORD>
```

bridge-domain <WORD>

Description: Bind the EPG to a bridge-domain

Syntax:

WORD	bridge domain associated with epg suggestion use "inb"

Command Mode: inband-mgmt : Enter Inside In-band management mode to modify inband properties or create new inband

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
```

```
(config-tenant)# inband-mgmt epg <WORD>
(config-inb-epg)# bridge-domain <WORD>
```

bridge-domain member <WORD>

Description: Bind the EPG to a bridge-domain

Syntax:

member	Bind the EPG to a bridge-domain
WORD	bridge-domain to associate (Max Size 64)

Command Mode: external-l2 : L2 external EPG creation/configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l2 epg <WORD>
(config-tenant-l2ext-epg)# bridge-domain member <WORD>
```

bridge-domain tenant <tenant> name <name>

Description: Configure Bridge Domain for a L4-L7 Graph Connector.

Syntax:

tenant	Tenant in which the bridge domain is available
<tenant>	Tenant in which the bridge domain is available
name	Bridge domain name
<name>	Name of bd

Command Mode: connector : Configure Connector for a Service Node

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode
 <Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]
(config-service)# connector <WORD> [cluster-interface <WORD>]
(config-connector)# bridge-domain tenant <tenant> name <name>
```

burst-rate

burst-rate <arg>

Description: Set burst-rate (Byte Per Second)

Syntax:

arg	. Number range from=10 to=549755813760

Command Mode: policy-protocol : Create policy protocol

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-if <WORD>
(config-pmap-copp-if)# policy-protocol <WORD>
(config-pmap-copp-if)# burst-rate <>
```

C Commands

callhome

callhome common

Description: Callhome common policy configuration mode

Syntax:

common	Callhome common policy configuration mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
```

callhome test info|notice|emergency|alert|critical|error|debug|warning

Description: Send callhome test message

Syntax:

test	Send callhome test message
info	Info
notice	Notice
emergency	Emergency
alert	Alert
critical	Critical
error	Error
debug	Debug
warning	Warning

Command Mode: exec : Exec Mode

Command Path:

```
# callhome test info|notice|emergency|alert|critical|error|debug|warning
```

callhome test info notice emergency alert critical error debug warning node

callhome test info|notice|emergency|alert|critical|error|debug|warning node <Source node>

Description: Source node

Syntax:

test	Send callhome test message
info	Info
notice	Notice
emergency	Emergency
alert	Alert
critical	Critical
error	Error
debug	Debug
warning	Warning
Source node	leaf or spine node. Number range from=0 to=9223372036854775807

Command Mode: exec : Exec Mode

Command Path:

```
# callhome test info|notice|emergency|alert|critical|error|debug|warning node <Source node>
```

cdp

cdp enable|default

Description: Configure CDP parameters on DVS uplink ports

Syntax:

enable	Enable CDP
default	Remove CDP override policy

Command Mode: configure-dvs : Configure a VMWare Domain as DVS type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-dvs
(config-vmware-dvs)# cdp enable|default
```

cdp enable|default

Description: Configure CDP parameters on AVS/AVE uplink ports

Syntax:

enable	Enable CDP
default	Remove CDP override policy

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# cdp enable|default
```

cdp enable|default

Description: Configure CDP parameters on AVS/AVE uplink ports

Syntax:

enable	Enable CDP
default	Remove CDP override policy

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# cdp enable|default
```

cdp enable

Description: Configure CDP interface parameters

Syntax:

enable	Configure CDP parameters

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# cdp enable
```

cdp enable

Description: Configure CDP interface parameters

Syntax:

enable	Configure CDP parameters

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# cdp enable
```

cdp enable

Description: Configure CDP interface parameters

Syntax:

enable	Configure CDP parameters

Command Mode: template spine-interface-policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-interface-policy-group <WORD>
```

```
(config-spine-if-pol-grp)# cdp enable
```

cdp enable

Description: Configure CDP interface parameters

Syntax:

enable	Configure CDP parameters

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# cdp enable
```

cdp enable

Description: Configure CDP interface parameters

Syntax:

enable	Configure CDP parameters

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# cdp enable
```

cdp enable

Description: Configure CDP interface parameters

Syntax:

enable	Configure CDP parameters

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# cdp enable
```

cdp enable

Description: Configure CDP interface parameters

Syntax:

enable	Configure CDP parameters

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# cdp enable
```

cdp enable

Description: Configure CDP interface parameters

Syntax:

enable	Configure CDP parameters

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# cdp enable
```

cert-chain

cert-chain <WORD>

Description: Set The PEM-encoded chain of trust from the trustpoint to a trusted root authority.

Syntax:

<WORD>	The PEM-encoded chain of trust from the trustpoint to a trusted root authority

Command Mode: crypto ca : Configure certificate authority related information

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto ca <WORD>
(config-ca)# cert-chain <WORD>
```

cert

cert <CERTIFICATE>

Description: Provide a certificate, that contains public key and signed information.

Syntax:

<CERTIFICATE>	Provide a certificate in quotes, that contains public key and signed information

Command Mode: crypto keyring : A keyring mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# cert <CERTIFICATE>
```

certificate

certificate <WORD>

Description: Create AAA user certificate in X.509 format.

Syntax:

WORD	Name for the user certificate

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# certificate <WORD>
```

channel-group

channel-group <WORD> [vpc]

Description: Create Port Channel

Syntax:

WORD	Port-Channel/VPC Name (Max Size 64)
vpc	(Optional) Configure channel-group as VPC

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# channel-group <WORD> [vpc]
```

channel-group <WORD> [vpc]

Description: Configure Port Channel on Fex

Syntax:

WORD	Port-Channel/VPC Name (Max Size 64)
vpc	(Optional) Create the channel-group as a VPC

Command Mode: fex-interface-group : Configure Fex Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
(config-fex-if-group)# channel-group <WORD> [vpc]
```

channel-group <WORD> [vpc]

Description: Associate a Channel Group to this Interface

Syntax:

WORD	Port-Channel/VPC Name (Max Size 64)
vpc	(Optional) Create the channel-group as a VPC

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# channel-group <WORD> [vpc]
```

channel-group <WORD> [vpc]

Description: Associate a Channel Group to this Interface

Syntax:

WORD	Port-Channel/VPC Name (Max Size 64)
vpc	(Optional) Create the channel-group as a VPC

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# channel-group <WORD> [vpc]
```

channel-mode

channel-mode on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover

Description: Configure LACP mode override on DVS uplink ports

Syntax:

on	Set channeling mode to ON (static)
active	Set channeling mode to ACTIVE
passive	Set channeling mode to PASSIVE
mac-pinning	Set channeling mode to MAC-PINNING
mac-pin-nicload	Set channeling mode to MAC-PIN-NICLOAD
explicit-failover	Set channeling mode to use EXPLICIT-FAILOVER

Command Mode: configure-dvs : Configure a VMWare Domain as DVS type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-dvs
(config-vmware-dvs)# channel-mode
on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover
```

channel-mode on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover

Description: Configure LACP mode override on AVS/AVE uplink ports

Syntax:

on	Set channeling mode to ON (static)
active	Set channeling mode to ACTIVE
passive	Set channeling mode to PASSIVE
mac-pinning	Set channeling mode to MAC-PINNING
mac-pin-nicload	Set channeling mode to MAC-PIN-NICLOAD
explicit-failover	Set channeling mode to use EXPLICIT-FAILOVER

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# channel-mode
on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover
```

channel-mode on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover

Description: Configure LACP mode override on AVS/AVE uplink ports

Syntax:

on	Set channeling mode to ON (static)
active	Set channeling mode to ACTIVE
passive	Set channeling mode to PASSIVE
mac-pinning	Set channeling mode to MAC-PINNING
mac-pin-nicload	Set channeling mode to MAC-PIN-NICLOAD
explicit-failover	Set channeling mode to use EXPLICIT-FAILOVER

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# channel-mode
on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover
```

channel-mode on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover

Description: Configure channeling mode

Syntax:

on	Set channeling mode to ON (static)
active	Set channeling mode to ACTIVE
passive	Set channeling mode to PASSIVE
mac-pinning	Set channeling mode to MAC-PINNING
mac-pin-nicload	Set channeling mode to MAC-PIN-NICLOAD
explicit-failover	Set channeling mode to use EXPLICIT-FAILOVER

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# channel-mode
on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover
```

channel-mode on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover

Description: Configure channeling mode

Syntax:

on	Set channeling mode to ON (static)
active	Set channeling mode to ACTIVE
passive	Set channeling mode to PASSIVE
mac-pinning	Set channeling mode to MAC-PINNING
mac-pin-nicload	Set channeling mode to MAC-PIN-NICLOAD
explicit-failover	Set channeling mode to use EXPLICIT-FAILOVER

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# channel-mode on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover
```

channel-mode on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover

Description: Configure channeling mode

Syntax:

on	Set channeling mode to ON (static)
active	Set channeling mode to ACTIVE
passive	Set channeling mode to PASSIVE
mac-pinning	Set channeling mode to MAC-PINNING
mac-pin-nicload	Set channeling mode to MAC-PIN-NICLOAD
explicit-failover	Set channeling mode to use EXPLICIT-FAILOVER

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# channel-mode on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover
```

channel-mode on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover

Description: Configure channeling mode

Syntax:

on	Set channeling mode to ON (static)
active	Set channeling mode to ACTIVE
passive	Set channeling mode to PASSIVE
mac-pinning	Set channeling mode to MAC-PINNING
mac-pin-nicload	Set channeling mode to MAC-PIN-NICLOAD
explicit-failover	Set channeling mode to use EXPLICIT-FAILOVER

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# channel-mode on|active|passive|mac-pinning|mac-pin-nicload|explicit-failover
```

cif

cif cluster <WORD> device <WORD> device-interface <WORD>

Description: Configure Relation to Cluster Interface

Syntax:

cluster	logical cluster
WORD	Logical Cluster name (Max Size 64)
device	Cluster Device
WORD	Cluster Device name (Max Size 64)
device-interface	Cluster Device Interface
WORD	Cluster Device Interface (Max Size 256)

Command Mode: l1l2redir-dest : Configure l1l2redirect destination

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
(svcredir-pol)# l1l2redir-dest <WORD>
(config-l1l2redir-dest)# cif cluster <WORD> device <WORD> device-interface <WORD>
```

cipher-suite

cipher-suite <arg>

Description: Configure SAP negotiation algorithm

Syntax:

arg	default =

Command Mode: template macsec access|fabric security-policy : Configure MAC security policy parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric security-policy <WORD>
(config-macsec-param)# cipher-suite <>
```

ciphers

ciphers <WORD>

Description: HTTPS cipher suite

Syntax:

WORD	Provide a valid cipher name

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# ciphers <WORD>
```

clear-encryption-key

clear-encryption-key

Description: Clears AES encryption key

Command Mode: crypto aes : AES encryption configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto aes
(config-aes)# clear-encryption-key
```

clear-pwd-history

clear-pwd-history

Description: Clears the password history of a locally-authenticated user

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# clear-pwd-history
```

clear core-status controller

clear core-status controller <NUMBER> <WORD>

Description: Remove exported core status and files for controllers

Syntax:

<1-64>	Controller id. Number range from=1 to=64
WORD	Core status collection time

Command Mode: exec : Exec Mode

Command Path:

```
# clear core-status controller <NUMBER> <WORD>
```

clear core-status switch

clear core-status switch <NUMBER> <WORD>

Description: Remove exported core status and files for switches

Syntax:

<101-4000>	Switch id. Number range from=101 to=4000
WORD	Core status collection time

Command Mode: exec : Exec Mode

Command Path:

```
# clear core-status switch <NUMBER> <WORD>
```

clear core controller

clear core controller <NUMBER> <WORD>

Description: Remove core metadata information generated at a controller

Syntax:

<1-64>	Controller id. Number range from=1 to=64
WORD	Core creation time

Command Mode: exec : Exec Mode

Command Path:

```
# clear core controller <NUMBER> <WORD>
```

clear core switch

clear core switch <NUMBER> <WORD>

Description: Remove core metadata information generated at a switch

Syntax:

<101-4000>	Switch id. Number range from=101 to=4000
WORD	Core creation time

Command Mode: exec : Exec Mode

Command Path:

```
# clear core switch <NUMBER> <WORD>
```

clear endpoints leaf tenant bridge-domain

clear endpoints leaf <node-id> tenant <tenant-name> bridge-domain <bd-name>

Description: Clear Bridge-Domain Hosting the endpoints

Syntax:

leaf	Leaf Number
node-id	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
tenant	Tenant Hosting the endpoints
tenant-name	Tenant Hosting the endpoints (Max Size 63)
bridge-domain	Bridge-Domain Hosting the endpoints
bd-name	Bridge-Domain Hosting the endpoints (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# clear endpoints leaf <WORD> tenant <WORD> bridge-domain <WORD>
```

clear endpoints leaf tenant bridge-domain vlan

clear endpoints leaf <node-id> tenant <tenant-name> bridge-domain <bd-name> vlan <NUMBER>

Description: Clear VLAN Hosting the endpoints

Syntax:

leaf	Leaf Number
node-id	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
tenant	Tenant Hosting the endpoints
tenant-name	Tenant Hosting the endpoints (Max Size 63)
bridge-domain	Bridge-Domain Hosting the endpoints
bd-name	Bridge-Domain Hosting the endpoints (Max Size 64)
vlan	VLAN Hosting the endpoints
<1-4094>	The number of the encapsulation VLAN, from 1 to 4094. For example, for vlan-23 you enter 23 in this field.

Command Mode: exec : Exec Mode

Command Path:

```
# clear endpoints leaf <WORD> tenant <WORD> bridge-domain <WORD> vlan <NUMBER>
```

clear endpoints leaf tenant vrf

clear endpoints leaf <node-id> tenant <tenant-name> vrf <vrf-name>

Description: Clear VRF Hosting the endpoints

Syntax:

leaf	Leaf Number
node-id	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
tenant	Tenant Hosting the endpoints
tenant-name	Tenant Hosting the endpoints (Max Size 63)
vrf	VRF Hosting the endpoints
vrf-name	Name of the VRF Hosting the endpoints (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# clear endpoints leaf <WORD> tenant <WORD> vrf <WORD>
```

clear firmware

clear firmware upgrade scheduler-restrictions

Description: Clear firmware upgrade scheduler restrictions

Syntax:

upgrade	upgrade
scheduler-restrictions	scheduler-restrictions

Command Mode: exec : Exec Mode

Command Path:

```
# clear firmware upgrade scheduler-restrictions
```

clear snapshot file

clear snapshot file <WORD>

Description: Remove snapshot file

Syntax:

WORD	Snapshot file name

Command Mode: exec : Exec Mode

Command Path:

```
# clear snapshot file <WORD>
```

clear snapshot job

clear snapshot job <WORD>

Description: Remove snapshot job

Syntax:

WORD	Snapshot job name

Command Mode: exec : Exec Mode

Command Path:

```
# clear snapshot job <WORD>
```

clear techsupport controllers

clear techsupport controllers <NUMBER> <WORD>

Description: Clear techsupport status for controllers

Syntax:

<1-64>	Controller id. Number range from=1 to=64
WORD	Techsupport collection time

Command Mode: exec : Exec Mode

Command Path:

```
# clear techsupport controllers <NUMBER> <WORD>
```

clear techsupport switch

clear techsupport switch <NUMBER> <WORD>

Description: Clear techsupport status for switch

Syntax:

<101-4000>	Switch id. Number range from=101 to=4000
WORD	Techsupport collection time

Command Mode: exec : Exec Mode

Command Path:

```
# clear techsupport switch <NUMBER> <WORD>
```

clear tenant

clear tenant <WORD>

Description: Clear Tenant related information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# clear tenant <WORD>
```

clear tenant bridge-domain

clear tenant <WORD> bridge-domain <WORD>

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# clear tenant <WORD> bridge-domain <WORD>
```

clear tenant bridge-domain first-hop-security statistics arp

clear tenant <WORD> bridge-domain <WORD> first-hop-security statistics arp

Description: Clear Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# clear tenant <WORD> bridge-domain <WORD> first-hop-security statistics arp
```

clear tenant bridge-domain first-hop-security statistics dhcpv4

clear tenant <WORD> bridge-domain <WORD> first-hop-security statistics dhcpv4

Description: Clear Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# clear tenant <WORD> bridge-domain <WORD> first-hop-security statistics dhcpv4
```

clear tenant bridge-domain first-hop-security statistics dhcpv6

clear tenant <WORD> bridge-domain <WORD> first-hop-security statistics dhcpv6

Description: Clear Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# clear tenant <WORD> bridge-domain <WORD> first-hop-security statistics dhcpv6
```

clear tenant bridge-domain first-hop-security statistics neighbor-discovery

clear tenant <WORD> bridge-domain <WORD> first-hop-security statistics neighbor-discovery

Description: Clear Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# clear tenant <WORD> bridge-domain <WORD> first-hop-security statistics neighbor-discovery
```

clear tenant bridge-domain first-hop-security violation-event all

clear tenant <WORD> bridge-domain <WORD> first-hop-security violation-event all

Description: Clear all FHS Violations

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# clear tenant <WORD> bridge-domain <WORD> first-hop-security violation-event all
```

clear tenant bridge-domain first-hop-security violation-event feature

clear tenant <WORD> bridge-domain <WORD> first-hop-security violation-event feature <WORD> origin <WORD> type <WORD> ip <WORD> mac <WORD> pctag <WORD>

Description: Specify FHS Violation feature type

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)
WORD	Specify FHS Violation feature type
origin	Specify FHS Violation origin type
WORD	Specify FHS Violation origin type
type	Specify FHS Violation type
WORD	Specify FHS Violation type
ip	Specify FHS Violation EndPoint Ip
WORD	Specify FHS Violation EndPoint Ip
mac	Specify FHS Violation EndPoint MAC
WORD	Specify FHS Violation EndPoint MAC
pctag	Specify FHS Violation EndPoint PC Tag
WORD	Specify FHS Violation EndPoint MAC

Command Mode: exec : Exec Mode

Command Path:

```
# clear tenant <WORD> bridge-domain <WORD> first-hop-security violation-event feature <WORD>
 origin <WORD> type <WORD> ip <WORD> mac <WORD> pctag <WORD>
```

clear troubleshoot report

clear troubleshoot report <WORD>

Description: Remove non-pending reports of a troubleshoot session

Syntax:

WORD	Report creation time

Command Mode: exec : Exec Mode

Command Path:

```
# clear troubleshoot report <WORD>
```

cli-only-mode-enable

cli-only-mode-enable

Description: Enable HTTP CLI only mode

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# cli-only-mode-enable
```

cli-only-mode-enable

Description: Enable HTTPs CLI only mode

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# cli-only-mode-enable
```

client-cert-ca

client-cert-ca <ca-name>

Description: Use specified CA for the HTTPS client certificate auth

Syntax:

ca-name	CA name (Max Size 64)

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# client-cert-ca <ca-name>
```

client-cert-state-enable

client-cert-state-enable

Description: Enable the state of the HTTPS communication service

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# client-cert-state-enable
```

clock display-format

clock display-format local|utc

Description: Configure Clock Display Format

Syntax:

local	Local display format
utc	UTC display format

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# clock display-format local|utc
```

clock show-offset

clock show-offset enable

Description: Enable/Disable Display of the Offset

Syntax:

enable	Enable/Disable Display of the Offset from UTC

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# clock show-offset enable
```

clock timezone

clock timezone <timeZone>

Description: Configure clock timezone

Syntax:

timeZone	The Timezone Selection

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# clock timezone <timeZone>
```

cluster-device

cluster-device <WORD> [vcenter <WORD>] [vm <WORD>] [host <host>] [management-ip <management-ip>] [gateway <gateway>] [subnet-mask <subnet-mask>] [management-port <management-port>] [management-vnic <management-vnic>] [mgmt-portgroup <mgmt-portgroup>] [ha-portgroup <ha-portgroup>] [ha-vnic <ha-vnic>] [user-name <WORD>]

Description: Configure L4-L7 Cluster Device

Syntax:

WORD	device name (Max Size 64)
WORD	(Optional) vcenter name (Max Size 64)
WORD	(Optional) vm name (Max Size 128)
host	(Optional) host
management-ip	(Optional) Enter management IP address for dynamic device
gateway	(Optional) Enter gateway IP address
subnet-mask	(Optional) Enter subnet mask
management-port	(Optional) Enter management port http/https
management-vnic	(Optional) Enter management VNic for dynamic device
mgmt-portgroup	(Optional) Enter management port group name
ha-portgroup	(Optional) Enter HA PortGroup name
ha-vnic	(Optional) Enter ha VNic for ha Port Group
WORD	(Optional) username for concrete device

Command Mode: l4l7 cluster name : Add a L4-L7 Service Device Cluster

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
(config-cluster)# cluster-device <WORD> [vcenter <WORD>] [vm <WORD>] [host <host>]
[management-ip <management-ip>] [gateway <gateway>] [subnet-mask <subnet-mask>]
[management-port <management-port>] [management-vnic <management-vnic>] [mgmt-portgroup
<mgmt-portgroup>] [ha-portgroup <ha-portgroup>] [ha-vnic <ha-vnic>] [user-name <WORD>]
```

cluster-interface

cluster-interface <WORD> [vlan <NUMBER>]

Description: Configure L4-L7 Cluster Interface

Syntax:

WORD	Cluster interface name (Max Size 16)
<vlan>	(Optional) Static Encap/VLAN to user for this cluster interface. Number range from=1 to=4094

Command Mode: l4l7 cluster name : Add a L4-L7 Service Device Cluster

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
(config-cluster)# cluster-interface <WORD> [vlan <NUMBER>]
```

collect

collect <arg>

Description: Configure collect

Syntax:

arg	

Command Mode: flow record : Configure Netflow Record

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow record <WORD>
(config-tn-flow-record)# collect <>
```

collect <arg>

Description: Configure collect

Syntax:

arg	

Command Mode: flow record : Configure Netflow Record

Command Path:

```
# configure [['terminal', 't']]
(config)# flow record <WORD>
(config-flow-record)# collect <>
```

comm-policy

comm-policy <WORD>

Description: Configure any communication policy, ssh/telnet/shellinabox/http/https

Syntax:

WORD	Provide a communication policy name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
```

community-list expanded

community-list expanded <WORD> <LINE>

Description: Configure expanded community list templates

Syntax:

WORD	Community list name (Max Size 64)
LINE	Regular-expression

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route group <WORD> tenant <WORD>
(config-route-group)# community-list expanded <WORD> <LINE>
```

community-list expanded <WORD> <LINE>

Description: Configure expanded community list templates

Syntax:

WORD	Community list name (Max Size 64)
LINE	Regular-expression

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route group <WORD> tenant <WORD>
(config-route-group)# community-list expanded <WORD> <LINE>
```

community-list standard

community-list standard <WORD> ASN2:NN

Description: Configure standard community list templates

Syntax:

WORD	Community list name (Max Size 64)
ASN2:NN	Community number aa:nn format

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route group <WORD> tenant <WORD>
(config-route-group)# community-list standard <WORD> ASN2:NN
```

community-list standard <WORD> ASN2:NN

Description: Configure standard community list templates

Syntax:

WORD	Community list name (Max Size 64)
ASN2:NN	Community number aa:nn format

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route group <WORD> tenant <WORD>
(config-route-group)# community-list standard <WORD> ASN2:NN
```

compatibility-check

compatibility-check

Description: Check for compatibility

Command Mode: controller-group : Controller Upgrade Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# controller-group
(config-firmware-controller)# compatibility-check
```

compatibility-check

Description: Check for compatibility

Command Mode: switch-group : Create switch firmware upgrade policy

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# compatibility-check
```

conf-offset

conf-offset <arg>

Description: Configure confidentiality offset for encryption

Syntax:

arg	

Command Mode: template macsec access|fabric security-policy : Configure MAC security policy parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric security-policy <WORD>
(config-macsec-param)# conf-offset <>
```

config-file

config-file <config-file>

Description: Select configuration file SVM instantiation policy

Syntax:

config-file	Select configuration file SVM instantiation policy

Command Mode: inst-pol : Configure L4L7 service vm instantiation policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inst-pol <WORD> <vmm-domain> <ctrlr> <vm-template> <resource-pool>
<datastore>
(config-inst-pol)# config-file <config-file>
```

configure-ave

configure-ave

Description: Configure a Cisco AVE domain

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
```

configure-avs

configure-avs

Description: Configure a VMWare Domain as AVS (N1K) type

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
```

configure-dvs

configure-dvs

Description: Configure a VMWare Domain as DVS type

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-dvs
```

configure

configure [['terminal', 't']]

Description: Configuration Mode

Syntax:

terminal	(Optional) configure using terminal
terminal	(Optional) configure using terminal

Command Mode: exec : Exec Mode

Command Path:

```
# configure [['terminal', 't']]
```

connection intra-service

connection <WORD> [peerconnect <Peer connectivity>] intra-service service1 <WORD> connector1 <WORD> service2 <WORD> connector2 <WORD>

Description: Configure L4-L7 connection between service nodes

Syntax:

WORD	Connection name (Max Size 64)
Peer connectivity	(Optional) Configure connectivity to peer
service1	Service node 1
WORD	service-node-1 name (Max Size 64)
connector1	Connector on service node 1 that connects to the connection
WORD	service-node-1 connector name (Max Size 64)
service2	Service node 2
WORD	service-node-2 name (Max Size 64)
connector2	Connector on service node 2 that connects to the connection
WORD	service-node-2 connector name (Max Size 64)

Command Mode: l4l7 graph : Configure L4-L7 Service Graph

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# connection <WORD> [peerconnect <Peer connectivity>] intra-service service1
 <WORD> connector1 <WORD> service2 <WORD> connector2 <WORD>
```

connection intra-service service1 connector1 service2 connector2 copyservice

connection <WORD> [peerconnect <Peer connectivity>] intra-service service1 <WORD> connector1 <WORD> service2 <WORD> connector2 <WORD> copyservice <WORD> connector <WORD>

Description: Configure copy node and connector

Syntax:

WORD	Connection name (Max Size 64)
Peer connectivity	(Optional) Configure connectivity to peer
service1	Service node 1
WORD	service-node-1 name (Max Size 64)
connector1	Connector on service node 1 that connects to the connection
WORD	service-node-1 connector name (Max Size 64)
service2	Service node 2
WORD	service-node-2 name (Max Size 64)
connector2	Connector on service node 2 that connects to the connection
WORD	service-node-2 connector name (Max Size 64)
WORD	service node name (Max Size 64)
connector	Connector on the service node that connects to a terminal node
WORD	connector name (Max Size 64)

Command Mode: l4l7 graph : Configure L4-L7 Service Graph

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# connection <WORD> [peerconnect <Peer connectivity>] intra-service service1
 <WORD> connector1 <WORD> service2 <WORD> connector2 <WORD> copyservice <WORD> connector
<WORD>
```

connection terminal provider consumer service

connection <WORD> [peerconnect <Peer connectivity>] terminal provider|consumer service <WORD> connector <WORD>

Description: Configure service node that connects to a terminal node

Syntax:

WORD	Connection name (Max Size 64)
Peer connectivity	(Optional) Configure connectivity to peer
provider	Provider terminal
consumer	Consumer terminal
WORD	service node name (Max Size 64)
connector	Connector on the service node that connects to a terminal node
WORD	connector name (Max Size 64)

Command Mode: l4l7 graph : Configure L4-L7 Service Graph

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# connection <WORD> [peerconnect <Peer connectivity>] terminal provider|consumer
 service <WORD> connector <WORD>
```

connection terminal provider consumer service connector copyservice

connection <WORD> [peerconnect <Peer connectivity>] terminal provider|consumer service <WORD> connector <WORD> copyservice <WORD> connector <WORD>

Description: Configure copy node and connector

Syntax:

WORD	Connection name (Max Size 64)
Peer connectivity	(Optional) Configure connectivity to peer
provider	Provider terminal
consumer	Consumer terminal
WORD	service node name (Max Size 64)
connector	Connector on the service node that connects to a terminal node
WORD	connector name (Max Size 64)
WORD	service node name (Max Size 64)
connector	Connector on the service node that connects to a terminal node
WORD	connector name (Max Size 64)

Command Mode: l4l7 graph : Configure L4-L7 Service Graph

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# connection <WORD> [peerconnect <Peer connectivity>] terminal provider|consumer
 service <WORD> connector <WORD> copyservice <WORD> connector <WORD>
```

connection terminal provider consumer terminal provider consumer copyservice

connection <WORD> [peerconnect <Peer connectivity>] terminal provider|consumer terminal provider|consumer copyservice <WORD> connector <WORD>

Description: Configure copy node and connector

Syntax:

WORD	Connection name (Max Size 64)
Peer connectivity	(Optional) Configure connectivity to peer
provider	Provider terminal
consumer	Consumer terminal
provider	Provider terminal
consumer	Consumer terminal
WORD	service node name (Max Size 64)
connector	Connector on the service node that connects to a terminal node
WORD	connector name (Max Size 64)

Command Mode: l4l7 graph : Configure L4-L7 Service Graph

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# connection <WORD> [peerconnect <Peer connectivity>] terminal provider|consumer
 terminal provider|consumer copyservice <WORD> connector <WORD>
```

connector

connector <WORD> [cluster-interface <WORD>]

Description: Configure Connector for a Service Node

Syntax:

WORD	Connector name (Max Size 64)
WORD	(Optional) Cluster Interface name (Max Size 16)

Command Mode: service : Configure L4-L7 Service

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode
 <Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]
(config-service)# connector <WORD> [cluster-interface <WORD>]
```

console

console [severity severity <severity-value>] [format <format>]

Description: Enable the logging to console(switches only)

Syntax:

severity <severity-value>	(Optional) The severity level for the logs
format	(Optional) The format for the log messages

Command Mode: logging : Logging server group configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# logging server-group <WORD>
(config-logging)# console [severity severity <severity-value>] [format <format>]
```

consumer

consumer epg-label <WORD>

Description: Add a consumer EPG label

Syntax:

epg-label	EPG label
WORD	EPG label name (Max Size 64)

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# consumer epg-label <WORD>
```

consumption

consumption <consumption>

Description: Update consumption value in PoE Node-policy

Syntax:

consumption	Configure consumption value in PoE Node-policy. Number range from=4000 to=30000

Command Mode: template power-over-ethernet node-policy : Configure Power Over Ethernet Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template power-over-ethernet node-policy <WORD>
(config-poe-node-pol)# consumption <consumption>
```

consumption <4000-30000>

Description: Set power wattage for interface consumption

Syntax:

<4000-30000>	Interface power consumption in milliwatts

Command Mode: switchport power-over-ethernet : Power Over Ethernet configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport power-over-ethernet <WORD>
(config-power-over-ethernet)# consumption <4000-30000>
```

contract-id

contract-id <WORD>

Description: Service contract id of the customer

Syntax:

WORD	The contract id (Max Size 512) surrounded by quotes

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# contract-id <WORD>
```

contract-id <WORD>

Description: Service contract id of the customer

Syntax:

WORD	The contract id (Max Size 512) surrounded by quotes

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# contract-id <WORD>
```

contract

contract <WORD> [type <type>]

Description: Configure binary contracts between Application EPGs

Syntax:

WORD	Name of the contract to create (Max Size 64)
type	(Optional) whitelist (permit) or blacklist(deny) or oob-mgmt type of contract

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
```

contract consumer

contract consumer <WORD> [qos-class <WORD>]

Description: Add the supplied contract to be consumed by any AEPg on this VRF

Syntax:

WORD	Whitelist contract to consume (Max Size 64)
WORD	(Optional) Qos Level

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# contract consumer <WORD> [qos-class <WORD>]
```

contract consumer <WORD> [imported] [label <WORD>] [qos-class <WORD>]

Description: Add a contract consumed by this AEPg, along with an optional list of subject labels

Syntax:

WORD	Whitelist contract to consume (Max Size 64)
imported	(Optional) used for contracts imported from other tenants
WORD	(Optional) Per-Contract label (Max Size 64)
WORD	(Optional) Qos Level

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# contract consumer <WORD> [imported] [label <WORD>] [qos-class
<WORD>]
```

contract consumer <contractName> [imported] [label <WORD>]

Description: Add a contract consumed by this EPG, along with an optional list of subject labels

Syntax:

<contractName>	Whitelist contract to consume

imported	(Optional) Used for contracts imported from other tenants
WORD	(Optional) Per-Contract label (Max Size 64)

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# contract consumer <contractName> [imported] [label <WORD>]
```

contract consumer <WORD> [imported] [label <WORD>]

Description: Add a contract consumed by this In-band Epg, along with an optional list of subject labels

Syntax:

WORD	Whitelist contract to consume (Max Size 64)
imported	(Optional) used for contracts imported from other tenants
WORD	(Optional) Per-Contract label (Max Size 64)

Command Mode: inband-mgmt : Enter Inside In-band management mode to modify inband properties or create new inband

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inband-mgmt epg <WORD>
(config-inb-epg)# contract consumer <WORD> [imported] [label <WORD>]
```

contract consumer <WORD> [imported] [label <WORD>] [qos-class <WORD>]

Description: Add a contract consumed by this EPG, along with an optional list of subject labels

Syntax:

WORD	Whitelist contract to consume (Max Size 64)
imported	(Optional) used for contracts imported from other tenants
WORD	(Optional) Per-Contract label (Max Size 64)
WORD	(Optional) Qos Level

Command Mode: external-l2 : L2 external EPG creation/configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
```

```
(config-tenant)# external-l2 epg <WORD>
(config-tenant-l2ext-epg)# contract consumer <WORD> [imported] [label <WORD>] [qos-class
<WORD>]
```

contract consumer <WORD> [imported]

Description: Add a consumer contract

Syntax:

WORD	Whitelist contract to consume
imported	(Optional) Used for contracts imported from other tenants

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# contract consumer <WORD> [imported]
```

contract consumer <WORD> [imported]

Description: Add a consumer contract

Syntax:

WORD	Whitelist contract to consume
imported	(Optional) Used for contracts imported from other tenants

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# contract consumer <WORD> [imported]
```

contract deny

contract deny <WORD>

Description: Attach a taboo contract to this AEPg

Syntax:

WORD	Name of the blacklist contract (Max Size 64)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# contract deny <WORD>
```

contract deny <contractName>

Description: Attach a taboo contract to this EPG

Syntax:

<contractName>	Name of the blacklist contract

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# contract deny <contractName>
```

contract deny <contractName>

Description: Attach a taboo contract to this InBand Epg

Syntax:

<contractName>	Name of the blacklist contract

Command Mode: inband-mgmt : Enter Inside In-band management mode to modify inband properties or create new inband

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inband-mgmt epg <WORD>
```

```
(config-inb-epg)# contract deny <contractName>
```

contract deny <WORD>

Description: Attach a taboo contract to this EPG

Syntax:

WORD	Name of the blacklist contract (Max Size 64)

Command Mode: external-l2 : L2 external EPG creation/configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l2 epg <WORD>
(config-tenant-l2ext-epg)# contract deny <WORD>
```

contract enforce

contract enforce [ingress] [egress]

Description: Add a policy enforcement

Syntax:

ingress	(Optional) Policy will be applied at the Ingress Node
egress	(Optional) Policy will be applied at the Egress Node

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# contract enforce [ingress] [egress]
```

contract intra-epg

contract intra-epg <WORD>

Description: Contract for controlling Intra-EPG traffic

Syntax:

WORD	Whitelist contract to apply (Max Size 64)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# contract intra-epg <WORD>
```

contract provider

contract provider <WORD> [qos-class <WORD>]

Description: Add the supplied contract to be provided by any AEPg on this VRF

Syntax:

WORD	Whitelist contract provided (Max Size 64)
WORD	(Optional) Qos Level

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# contract provider <WORD> [qos-class <WORD>]
```

contract provider <WORD> [label <WORD>] [qos-class <WORD>]

Description: Contract provided by this AEPg, along with an optional list of subject labels

Syntax:

WORD	Whitelist contract to provide (Max Size 64)
WORD	(Optional) Per-Contract label (Max Size 64)
WORD	(Optional) Qos Level

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# contract provider <WORD> [label <WORD>] [qos-class <WORD>]
```

contract provider <contractName> [label <WORD>]

Description: Add a contract provided by this EPG, along with an optional list of subject labels

Syntax:

<contractName>	Whitelist contract to provide
WORD	(Optional) Per-Contract label (Max Size 64)

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# contract provider <contractName> [label <WORD>]
```

contract provider <contractName> [label <label>]

Description: Add a contract provided by this AEPg, along with an optional list of subject labels

Syntax:

<contractName>	link to contract name
label	(Optional)

Command Mode: inband-mgmt : Enter Inside In-band management mode to modify inband properties or create new inband

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inband-mgmt epg <WORD>
(config-inb-epg)# contract provider <contractName> [label <label>]
```

contract provider <WORD> [label <WORD>] [qos-class <WORD>]

Description: Add a contract provided by this EPG, along with an optional list of subject labels

Syntax:

WORD	Whitelist contract to provide (Max Size 64)
WORD	(Optional) Per-Contract label (Max Size 64)
WORD	(Optional) Qos Level

Command Mode: external-l2 : L2 external EPG creation/configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l2 epg <WORD>
(config-tenant-l2ext-epg)# contract provider <WORD> [label <WORD>] [qos-class <WORD>]
```

contract provider <contractName>

Description: Add a contract provided by this AEPg, along with an optional list of subject labels

Syntax:

| *<contractName>* | Name of the contract to be provided |

Command Mode: oob-mgmt : Creates/Modify the out of band mgmt under the tenant mgmt

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# oob-mgmt epg <epgval>
(config-oob-epg)# contract provider <contractName>
```

contract provider <WORD>

Description: Add a provider contract

Syntax:

| *WORD* | Whitelist contract to provide |

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# contract provider <WORD>
```

contract provider <WORD>

Description: Add a provider contract

Syntax:

| *WORD* | Whitelist contract to provide |

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# contract provider <WORD>
```

control-plane-policing-prefilter

control-plane-policing-prefilter <arg>

Description: Add leaf ACL policy

Syntax:

arg	

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# control-plane-policing-prefilter <>
```

control-plane-policing-prefilter <arg>

Description: Add spine ACL policy

Syntax:

arg	

Command Mode: template spine-policy-group : Configure Spine Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-policy-group <WORD>
(config-spine-policy-group)# control-plane-policing-prefilter <>
```

controller-group

controller-group

Description: Controller Upgrade Configuration Mode

Command Mode: firmware : Firmware upgrade configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# controller-group
```

controller

controller

Description: Configure Controller Node

Syntax:

arg	

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
```

coop-fabric

coop-fabric

Description: Council Of Oracles Protocol (COOP)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# coop-fabric
```

coop

coop fabric

Description: COOP protocol

Syntax:

fabric	Fabric COOP configuration

Command Mode: pod : Pod configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# coop fabric
```

copp-aggr

copp-aggr <arg>

Description: Add CoPP aggregate policy

Syntax:

arg	

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# copp-aggr <>
```

copp-aggr <arg>

Description: Add CoPP aggregate policy

Syntax:

arg	

Command Mode: template spine-policy-group : Configure Spine Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-policy-group <WORD>
(config-spine-policy-group)# copp-aggr <>
```

cos enable

cos enable

Description: Enable Cos Marking

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# cos enable
```

cos value

cos value <num>

Description: CoS value <0-7>

Syntax:

num	Class of Service. Number range from=0 to=7

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# cos value <num>
```

cost

cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# cost <NUMBER>
```

cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# cost <NUMBER>
```

country

country <WORD>

Description: Set The two-letter ISO code for the country where the organization is located.

Syntax:

<WORD>	The two-letter ISO code for the country where the organization is located

Command Mode: csr : A csr mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# csr
(config-csr)# country <WORD>
```

crypto aes

crypto aes

Description: AES encryption configuration

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto aes
```

crypto ca

crypto ca <WORD>

Description: Configure certificate authority related information

Syntax:

WORD	Trustpoint label (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto ca <WORD>
```

crypto keyring

crypto keyring <WORD>

Description: A keyring mode to create and hold an SSL certificate

Syntax:

WORD	Provide a keyring name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
```

crypto webtoken

crypto webtoken

Description: The cryptographic data used for generating and verifying web tokens.

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto webtoken
```

csr

csr

Description: A csr mode to create and hold an SSL certificate

Command Mode: crypto keyring : A keyring mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# csr
```

customer-id

customer-id <WORD>

Description: The customer id

Syntax:

WORD	The customer id (Max Size 512) surrounded by quotes

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# customer-id <WORD>
```

customer-id <WORD>

Description: The customer id

Syntax:

WORD	The customer id (Max Size 512) surrounded by quotes

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# customer-id <WORD>
```

D Commands

data

data <LINE>

Description: Set A user public key in PEM format.

Syntax:

LINE	user public key in PEM format in quotes (Max Size None)

Command Mode: ssh-key : Update ssh key for the user for ssh authentication

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# ssh-key <WORD>
(config-ssh-key)# data <LINE>
```

data <CERTIFICATE>

Description: Set PEM encoded certificate

Syntax:

CERTIFICATE	PEM encoded certificate in quotes

Command Mode: certificate : Create AAA user certificate in X.509 format.

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# certificate <WORD>
(config-certificate)# data <CERTIFICATE>
```

dead-interval

dead-interval <NUMBER>

Description: Dead interval

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# dead-interval <NUMBER>
```

dead-interval <NUMBER>

Description: Dead interval

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# dead-interval <NUMBER>
```

debug-switch

debug-switch <NUMBER>

Description: Turn on debug mode for switch

Syntax:

<101-4000>	Node ID. Number range from=101 to=4000

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# debug-switch <NUMBER>
```

debug log reset

debug <node-name> <process> log reset

Description: Reset the log levels to default log level

Syntax:

<node-name>	Node name
<process>	Process name

Command Mode: exec : Exec Mode

Command Path:

```
# debug <node-name> <process> log reset
```

debug log set

debug <node-name> <process> log set <topic> <level>

Description: Set log level for a topic

Syntax:

<node-name>	Node name
<process>	Process name
<topic>	Topic name
<level>	Level name

Command Mode: exec : Exec Mode

Command Path:

```
# debug <node-name> <process> log set <topic> <level>
```

decommission controller

decommission controller <NUMBER>

Description: Decommission controller

Syntax:

<1-64>	Controller ID. Number range from=1 to=64

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# decommission controller <NUMBER>
```

decommission switch

decommission switch <NUMBER> [remove-from-controller] [pod <NUMBER>]

Description: Decommission switch

Syntax:

<101-4000>	Node ID. Number range from=101 to=4000
remove-from-controller	(Optional) Remove the switch from controller (optional)
NUMBER	(Optional) Pod ID. Number range from=1 to=10

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# decommission switch <NUMBER> [remove-from-controller] [pod <NUMBER>]
```

default-information

default-information originate [always]

Description: Control origination of a default route

Syntax:

originate	Originate a default route
always	(Optional) Always advertise default route

Command Mode: vrf : Configure VRF information

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# default-information originate [always]
```

default-information originate [always]

Description: Control origination of a default route

Syntax:

originate	Originate a default route
always	(Optional) Always advertise default route

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# default-information originate [always]
```

default-information originate [always]

Description: Control origination of a default route

Syntax:

originate	Originate a default route
always	(Optional) Always advertise default route

Command Mode: vrf : Configure VRF information

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# default-information originate [always]
```

default-information originate [always]

Description: Control origination of a default route

Syntax:

originate	Originate a default route
always	(Optional) Always advertise default route

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# default-information originate [always]
```

default-originate

default-originate

Description: Originate a default toward this peer

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# default-originate
```

default-originate

Description: Originate a default toward this peer

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# default-originate
```

delay

delay minimum|reload <NUMBER>

Description: HSRP initialization delay

Syntax:

minimum	Minimum delay
reload	Delay after reload
<0-10000>	Delay in seconds. Number range from=0 to=10000

Command Mode: template hsrp interface-policy : Configure HSRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp interface-policy <WORD> tenant <WORD>
(config-template-hsrp-if-pol)# delay minimum|reload <NUMBER>
```

delay minimum|reload <NUMBER>

Description: HSRP initialization delay

Syntax:

minimum	Minimum delay
reload	Delay after reload
<0-10000>	Delay in seconds. Number range from=0 to=10000

Command Mode: template hsrp interface-policy : Configure HSRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp interface-policy <WORD> tenant <WORD>
(config-template-hsrp-if-pol)# delay minimum|reload <NUMBER>
```

deltape

deltape <21-40>

Description: Set deltape for ssd flash config

Syntax:

<21-40>	deltape

Command Mode: flash-config : Configure SSD Flash Config policy

Command Path:

```
# configure [['terminal', 't']]
(config)# flash-config <WORD>
(config-flash-config)# deltape <21-40>
```

deny-mode

deny-mode

Description: WhiteList or BlackList mode for EPG

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# deny-mode
```

deny-mode

Description: WhiteList or BlackList mode for EPG

Command Mode: external-l2 : L2 external EPG creation/configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l2 epg <WORD>
(config-tenant-l2ext-epg)# deny-mode
```

deploy-epg tenant application epg qinq

deploy-epg tenant <WORD> application <WORD> epg <WORD> qinq outer-vlan <NUMBER> inner-vlan <NUMBER>

Description: Deploy regular AEPg on leaf with qinq(double encap)

Syntax:

tenant	Tenant hosting the AEPg to deploy
WORD	Tenant hosting the AEPg to deploy (Max Size 63)
application	Application hosting the AEPg to deploy
WORD	Application Name (Max Size 64)
epg	AEPg to be deployed on the leaf
WORD	EPg that uses the statically enabled Encap. (Max Size 64)
outer-vlan	Encapsulation Outer Vlan
<1-4094>	Encapsulation Outer Vlan. Number range from=1 to=4094
inner-vlan	Encapsulation Inner Vlan
<1-4094>	Encapsulation Inner Vlan. Number range from=1 to=4094

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# deploy-epg tenant <WORD> application <WORD> epg <WORD> qinq outer-vlan
<NUMBER> inner-vlan <NUMBER>
```

deploy-epg tenant <WORD> application <WORD> epg <WORD> qinq outer-vlan <NUMBER> inner-vlan <NUMBER>

Description: Deploy regular AEPg on leaf with qinq(double encap)

Syntax:

tenant	Tenant hosting the AEPg to deploy
WORD	Tenant hosting the AEPg to deploy (Max Size 63)
application	Application hosting the AEPg to deploy
WORD	Application Name (Max Size 64)
epg	AEPg to be deployed on the leaf

WORD	EPg that uses the statically enabled Encap. (Max Size 64)
outer-vlan	Encapsulation Outer Vlan
<1-4094>	Encapsulation Outer Vlan. Number range from=1 to=4094
inner-vlan	Encapsulation Inner Vlan
<1-4094>	Encapsulation Inner Vlan. Number range from=1 to=4094

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# deploy-epg tenant <WORD> application <WORD> epg <WORD> qinq outer-vlan
<NUMBER> inner-vlan <NUMBER>
```

deploy-epg tenant application epg type

deploy-epg tenant <WORD> application <WORD> epg <WORD> type micro-segmented

Description: Deploy micro-segmented AEPg on leaf

Syntax:

tenant	Tenant hosting the AEPg to deploy
WORD	Tenant hosting the AEPg to deploy (Max Size 63)
application	Application hosting the AEPg to deploy
WORD	Application Name (Max Size 64)
epg	AEPg to be deployed on the leaf
WORD	EPg that uses the statically enabled Encap. (Max Size 64)
micro-segmented	micro-segmented AEPg

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# deploy-epg tenant <WORD> application <WORD> epg <WORD> type micro-segmented
```

deploy-epg tenant <WORD> application <WORD> epg <WORD> type micro-segmented

Description: Deploy micro-segmented AEPg on leaf

Syntax:

tenant	Tenant hosting the AEPg to deploy
WORD	Tenant hosting the AEPg to deploy (Max Size 63)
application	Application hosting the AEPg to deploy
WORD	Application Name (Max Size 64)
epg	AEPg to be deployed on the leaf
WORD	EPg that uses the statically enabled Encap. (Max Size 64)
micro-segmented	micro-segmented AEPg

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# deploy-epg tenant <WORD> application <WORD> epg <WORD> type micro-segmented
```

deploy-epg tenant application epg vlan

deploy-epg tenant <WORD> application <WORD> epg <WORD> vlan <NUMBER> vlan-domain member <WORD>

Description: Deploy regular AEPg on leaf

Syntax:

tenant	Tenant hosting the AEPg to deploy
WORD	Tenant hosting the AEPg to deploy (Max Size 63)
application	Application hosting the AEPg to deploy
WORD	Application Name (Max Size 64)
epg	AEPg to be deployed on the leaf
WORD	EPg that uses the statically enabled Encap. (Max Size 64)
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
vlan-domain	Vlan Domain for Encapsulation Vlan
member	Vlan Domain for Encapsulation Vlan
WORD	vlan-domain to use to validate encapsulation vlan. (Max Size 64)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# deploy-epg tenant <WORD> application <WORD> epg <WORD> vlan <NUMBER>
vlan-domain member <WORD>
```

deploy-epg tenant <WORD> application <WORD> epg <WORD> vlan <NUMBER> vlan-domain member <WORD>

Description: Deploy regular AEPg on leaf

Syntax:

tenant	Tenant hosting the AEPg to deploy
WORD	Tenant hosting the AEPg to deploy (Max Size 63)
application	Application hosting the AEPg to deploy
WORD	Application Name (Max Size 64)
epg	AEPg to be deployed on the leaf

WORD	EPg that uses the statically enabled Encap. (Max Size 64)
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
vlan-domain	Vlan Domain for Encapsulation Vlan
member	Vlan Domain for Encapsulation Vlan
WORD	vlan-domain to use to validate encapsulation vlan. (Max Size 64)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# deploy-epg tenant <WORD> application <WORD> epg <WORD> vlan <NUMBER>
vlan-domain member <WORD>
```

deployment-mode

deployment-mode <WORD>

Description: Set zone deployment mode

Syntax:

WORD	Zone Deployment Mode

Command Mode: zone : Create zone policy

Command Path:

```
# configure [['terminal', 't']]
(config)# zones
(config-zones)# zone <WORD>
(config-zone)# deployment-mode <WORD>
```

descr

descr <WORD>

Description: RADIUS server descr for authentication

Syntax:

<WORD>	descr for authentication (Max Size 128)

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# descr <WORD>
```

descr <WORD>

Description: RSA server descr for authentication

Syntax:

<WORD>	descr for authentication (Max Size 128)

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# descr <WORD>
```

description

description <description>

Description: Add a description to a power supply redundancy policy

Syntax:

<description>	Power supply redundancy policy description string

Command Mode: power : Create a power supply redundancy policy

Command Path:

```
# configure [['terminal', 't']]
(config)# power redundancy-policy <WORD>
(config-power)# description <description>
```

description <LINE>

Description: Set description

Syntax:

LINE	Set description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: rbac security-domain : Create AAA security domain for processing authentication requests.

Command Path:

```
# configure [['terminal', 't']]
(config)# rbac security-domain <WORD>
(config-security-domain)# description <LINE>
```

description <WORD>

Description: The description of callhome destination-profile

Syntax:

WORD	The description (Max Size 128) surrounded by single quotes

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# description <WORD>
```

description <WORD>

Description: The description of callhome destination-profile

Syntax:

WORD	The description (Max Size 128) surrounded by single quotes

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# description <WORD>
```

description <WORD>

Description: Add switch-group description

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: switch-group : Create switch firmware upgrade policy

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# description <WORD>
```

description <STRING>

Description: Configure remote path description

Syntax:

STRING	Description

Command Mode: remote : Remote path configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# remote path <WORD>
(config-remote)# description <STRING>
```

description <STRING>

Description: Configure description for the active ntp policy

Syntax:

| *STRING* | Description |

Command Mode: ntp : Configure the default ntp policy

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# ntp
(config-ntp)# description <STRING>
```

description <STRING>

Description: Configure STP description

Syntax:

| *STRING* | Description |

Command Mode: region : STP MST region configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spanning-tree mst configuration
(config-stp)# region <WORD>
(config-stp-region)# description <STRING>
```

description <WORD>

Description: Add description for Cloudsec Policy

Syntax:

| *WORD* | Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128) |

Command Mode: template cloudsec : Configure cloudsec Policies

Command Path:

```
# configure [['terminal', 't']]
(config)# template cloudsec <WORD>
(config-cloudsec)# description <WORD>
```

description <WORD>

Description: Description string, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

| *WORD* | Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128) |

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# description <WORD>
```

description <description>

Description: Update FC Policy-Group Template description

Syntax:

<description>	

Command Mode: template fc-policy-group : Configure FC Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-policy-group <WORD>
(config-fc-pol-grp-if)# description <description>
```

description <WORD>

Description: Add fc-fabric-policy description

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: template fc-fabric-policy : Configure FC Fabric Policy(Max Size 64)

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-fabric-policy <WORD>
(config-fc-fabric-policy)# description <WORD>
```

description <description>

Description: Update FC leaf policy description

Syntax:

<description>	

Command Mode: template fc-leaf-policy : Configure FC Leaf Policy(Max Size 64)

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-leaf-policy <WORD>
```

```
(config-fc-leaf-policy)# description <description>
```

description <WORD>

Description: Add MAC security key chain description

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: template macsec access|fabric keychain : Configure macsec key chain

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric keychain <WORD>
(config-macsec-keychain)# description <WORD>
```

description <WORD>

Description: Add MAC security policy description

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: template macsec access|fabric security-policy : Configure MAC security policy parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric security-policy <WORD>
(config-macsec-param)# description <WORD>
```

description <STRING>

Description: Configure description for the active ntp policy

Syntax:

STRING	Description

Command Mode: template ntp-fabric : Network Time Protocol (NTP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template ntp-fabric <WORD>
(config-template-ntp-fabric)# description <STRING>
```

description <description>

Description: Update Policy-Group Template description

Syntax:

<description>	

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# description <description>
```

description <description>

Description: Update Port-Channel Template description

Syntax:

<description>	

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# description <description>
```

description <description>

Description: Update Spine-Interface-Policy-Group Template description

Syntax:

<description>	

Command Mode: template spine-interface-policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-interface-policy-group <WORD>
(config-spine-if-pol-grp)# description <description>
```

description <WORD>

Description: Add a description string to a tenant, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# description <WORD>
```

description <WORD>

Description: Add a description on a contract, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	Contract description, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: contract : Configure binary contracts between Application EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# description <WORD>
```

description <WORD>

Description: Add a description on a subject, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	Subject description, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# description <WORD>
```

description <WORD>

Description: Add a description on a vrf, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	VRF description, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# description <WORD>
```

description <WORD>

Description: Add a description on an application, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: application : application configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# description <WORD>
```

description <WORD>

Description: Add a description on an epg, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# description <WORD>
```

description <WORD>

Description: Add a description on an epg, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: dot1q-tunnel : Tunnel configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dot1q-tunnel <WORD>
(config-tenant-tunnel)#description <WORD>
```

description <epgDescr>

Description: Add a description on an epg

Syntax:

<epgDescr>	

Command Mode: inband-mgmt : Enter Inside In-band management mode to modify inband properties or create new inband

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inband-mgmt epg <WORD>
(config-inb-epg)# description <epgDescr>
```

description <WORD>

Description: Add a description on a bridge-domain, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	Bridge-domain description, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# description <WORD>
```

description <WORD>

Description: Add a description on an epg, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: external-l2 : L2 external EPG creation/configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l2 epg <WORD>
(config-tenant-l2ext-epg)# description <WORD>
```

description <epgDescr>

Description: Add a description on an epg

Syntax:

<epgDescr>	

Command Mode: oob-mgmt : Creates/Modify the out of band mgmt under the tenant mgmt

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# oob-mgmt epg <epgval>
(config-oob-epg)# description <epgDescr>
```

description <WORD>

Description: Add a description on a Redirection policy, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	Redirection Policy description, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: svcredir-pol : Configure L4L7 service redirection policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
(svcredir-pol)# description <WORD>
```

description <WORD>

Description: Description string, surrounded by single quotes if with spaces ex: 'My descr'

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
(config-tenant-template-dhcp-relay)# description <WORD>
```

description <LINE>

Description: Update igmp policy description

Syntax:

LINE	IGMP policy description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# description <LINE>
```

description <LINE>

Description: Update igmp snooping policy description

Syntax:

LINE	IGMP snooping policy description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: template ip igmp snooping policy : Create an IGMP snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# description <LINE>
```

description <LINE>

Description: Update mld snooping policy description

Syntax:

LINE	MLD snooping policy description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: template ipv6 mld snooping policy : Create an MLD snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 mld snooping policy <WORD>
(config-tenant-template-ip-mld-snooping)# description <LINE>
```

description <LINE>

Description: Update Netflow Exporter description

Syntax:

LINE	Netflow Exporter description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# description <LINE>
```

description <LINE>

Description: Update Netflow Record description

Syntax:

LINE	Netflow Record description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: flow record : Configure Netflow Record

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow record <WORD>
(config-tn-flow-record)# description <LINE>
```

description <LINE>

Description: Update Netflow Monitor description

Syntax:

LINE	Netflow Monitor description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: flow monitor : Configure Netflow Monitor

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow monitor <WORD>
(config-tn-flow-monitor)# description <LINE>
```

description <LINE>

Description: Update Leaf Profile description

Syntax:

LINE	Leaf-Profile description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: leaf-profile : Configure Leaf Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-profile <WORD>
(config-leaf-profile)# description <LINE>
```

description <LINE>

Description: Update Leaf Group description

Syntax:

LINE	Leaf-group description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: leaf-group : Configure Leaf Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-profile <WORD>
(config-leaf-profile)# leaf-group <WORD>
(config-leaf-group)# description <LINE>
```

description <LINE>

Description: Update Leaf Interface Profile description

Syntax:

LINE	Leaf-If-Profile description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: leaf-interface-profile : Create Leaf Interface Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# description <LINE>
```

description <LINE>

Description: Update Leaf Interface Group description

Syntax:

LINE	Leaf-If-group description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# description <LINE>
```

description <LINE>

Description: Update Spine Profile description

Syntax:

LINE	Spine-Profile description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: spine-profile : Configure Spine Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-profile <WORD>
(config-spine-profile)# description <LINE>
```

description <LINE>

Description: Update Spine Group description

Syntax:

LINE	Spine-group description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: spine-group : Configure Spine Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-profile <WORD>
(config-spine-profile)# spine-group <WORD>
(config-spine-group)# description <LINE>
```

description <LINE>

Description: Update Spine Interface Profile description

Syntax:

LINE	Spine-If-Profile description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: spine-interface-profile : Create Spine Interface Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-interface-profile <WORD>
(config-spine-if-profile)# description <LINE>
```

description <LINE>

Description: Update Spine Interface Group description

Syntax:

LINE	Spine-If-group description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: spine-interface-group : Configure Spine Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
(config-spine-if-group)# description <LINE>
```

description <LINE>

Description: Update Fex Profile description

Syntax:

LINE	Fex-Profile description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: fex-profile : Configure Fex Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# description <LINE>
```

description <LINE>

Description: Update Fex Interface Group description

Syntax:

LINE	Fex-If-group description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: fex-interface-group : Configure Fex Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
(config-fex-if-group)# description <LINE>
```

description <LINE>

Description: Update Leaf Interface Profile description

Syntax:

LINE	Leaf-If-Profile description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: leaf-interface-profile : Create Leaf Interface Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# description <LINE>
```

description <LINE>

Description: Update Leaf Interface Group description

Syntax:

LINE	Leaf-If-group description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# description <LINE>
```

description <LINE>

Description: Update Leaf Profile description

Syntax:

LINE	Leaf-Profile description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: leaf-profile : Configure Leaf Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-profile <WORD>
(config-leaf-profile)# description <LINE>
```

description <LINE>

Description: Update Leaf Group description

Syntax:

LINE	Leaf-group description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: leaf-group : Configure Leaf Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-profile <WORD>
(config-leaf-profile)# leaf-group <WORD>
(config-leaf-group)# description <LINE>
```

description <LINE>

Description: Update Spine Interface Profile description

Syntax:

LINE	Spine-If-Profile description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: spine-interface-profile : Create Spine Interface Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-interface-profile <WORD>
(config-spine-if-profile)# description <LINE>
```

description <LINE>

Description: Update Spine Interface Group description

Syntax:

LINE	Spine-If-group description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: spine-interface-group : Configure Spine Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
(config-spine-if-group)# description <LINE>
```

description <LINE>

Description: Update Spine Profile description

Syntax:

LINE	Spine-Profile description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: spine-profile : Configure Spine Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-profile <WORD>
(config-spine-profile)# description <LINE>
```

description <LINE>

Description: Update Spine Group description

Syntax:

LINE	Spine-group description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: spine-group : Configure Spine Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-profile <WORD>
(config-spine-profile)# spine-group <WORD>
(config-spine-group)# description <LINE>
```

description <LINE>

Description: Update interface vlan description

Syntax:

LINE	interface vlan description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# description <LINE>
```

description <LINE>

Description: Update Interface description

Syntax:

LINE	Interface description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# description <LINE>
```

description <LINE>

Description: Update Port-Channel description

Syntax:

LINE	Port-Channel description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# description <LINE>
```

description <LINE>

Description: Update interface vlan description

Syntax:

LINE	interface vlan description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# description <LINE>
```

description <LINE>

Description: Update Interface description

Syntax:

LINE	Interface description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# description <LINE>
```

description <LINE>

Description: Update Port-Channel description

Syntax:

LINE	Port-Channel description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# description <LINE>
```

description <LINE>

Description: Update Netflow Exporter description

Syntax:

LINE	Netflow Exporter description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-exporter)# description <LINE>
```

description <LINE>

Description: Update Netflow Exporter description

Syntax:

LINE	Netflow Exporter description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# description <LINE>
```

description <LINE>

Description: Update Netflow Record description

Syntax:

LINE	Netflow Record description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: flow record : Configure Netflow Record

Command Path:

```
# configure [['terminal', 't']]
(config)# flow record <WORD>
(config-flow-record)# description <LINE>
```

description <LINE>

Description: Update Netflow Monitor description

Syntax:

LINE	Netflow Monitor description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: flow monitor : Configure Netflow Monitor

Command Path:

```
# configure [['terminal', 't']]
(config)# flow monitor <WORD>
(config-flow-monitor)# description <LINE>
```

description <LINE>

Description: Update Netflow Node-policy description

Syntax:

LINE	Netflow Node-policy description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: flow node-policy : Configure Netflow Node Policy Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# flow node-policy <WORD>
(config-flow-node-pol)# description <LINE>
```

description <LINE>

Description: Update VPC description

Syntax:

LINE	VPC description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
```

```
(config-vpc-if)# description <LINE>
```

description <LINE>

Description: Add description to the session

Syntax:

LINE	Session description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: monitor access session : Configue monitor session for access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# description <LINE>
```

description <LINE>

Description: Add description to the session

Syntax:

LINE	Session description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: monitor fabric : Configue monitor session for fabric interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# description <LINE>
```

description <LINE>

Description: Add description to the session

Syntax:

LINE	Session description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: monitor tenant : Configue monitor session for tenant EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# description <LINE>
```

description <LINE>

Description: Add description to the session

Syntax:

LINE	Session description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: monitor virtual : Configure monitor session for virtual switches

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# description <LINE>
```

description <STRING>

Description: Configure scheduler description

Syntax:

STRING	Scheduler description

Command Mode: scheduler : Scheduler configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# description <STRING>
```

description <WORD>

Description: Add description for this server-group

Syntax:

WORD	Description (Max Size 128) surrounded by single quotes

Command Mode: logging : Logging server group configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# logging server-group <WORD>
(config-logging)# description <WORD>
```

description <WORD>

Description: Add zone description

Syntax:

WORD	Description string, surrounded by single quotes if with spaces ex: 'My descr' (Max Size 128)

Command Mode: zone : Create zone policy

Command Path:

```
# configure [['terminal', 't']]
(config)# zones
(config-zones)# zone <WORD>
(config-zone)# description <WORD>
```

dest-type

dest-type <WORD>

Description: Configure Dest Type for Service Redirect Policy, example 'dest-type L3' or 'dest-type L2' or 'dest-type L1'

Syntax:

WORD	Configure Dest Type for Service Redirect Policy (Max Size None)

Command Mode: svcredir-pol : Configure L4L7 service redirection policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
(svcredir-pol)# dest-type <WORD>
```

destination-port

destination-port <port>

Description: Destination port of this analytics server

Syntax:

| *port* | The analytics server destination port. Number range from=0 to=65535 |

Command Mode: flow-exporter : Configure external analytics reachability information

Command Path:

```
# configure [['terminal', 't']]
(config)# analytics cluster <WORD>
(config-analytics)# flow-exporter <WORD>
(config-analytics-cluster-exporter)# destination-port <port>
```

destination-profile

destination-profile

Description: Configure destination profile Parameters

Command Mode: callhome : Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
```

destination-profile

Description: Configure destination profile Parameters

Command Mode: smartcallhome : Smart Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
```

destination

destination <WORD>

Description: Configure destination Parameters

Syntax:

WORD	The name (Max Size 64)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
```

destination <WORD>

Description: Configure destination Parameters

Syntax:

WORD	The name (Max Size 64)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
```

destination tenant <tenant_name> application <application_name> epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>

Description: Configure monitor remote destination

Syntax:

tenant	tenant
tenant_name	tenant name (Max Size 63)
application	application
application_name	application name
epg	epg

epg_name	epg name
destination-ip	destination IP
A.B.C.D	IP address
source-ip-prefix	source IP prefix
A.B.C.D/M	IP adddress prefix

Command Mode: monitor fabric : Configure monitor session for fabric interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
```

destination tenant <tenant_name> application <application_name> epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>

Description: Configure monitor remote destination

Syntax:

tenant	tenant
tenant_name	tenant name (Max Size 63)
application	application
application_name	application name (Max Size 64)
epg	epg
epg_name	epg name (Max Size 64)
destination-ip	destination IP
A.B.C.D	IP address
source-ip-prefix	source IP prefix
A.B.C.D/M	IP adddress prefix

Command Mode: monitor tenant : Configure monitor session for tenant EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
```

destination <A.B.C.D|A:B::C:D>

Description: Destination IP of analytics server

Syntax:

A.B.C.D/A:B::C:D	Destination IP of Analytics Server

Command Mode: flow-exporter : Configure external analytics reachability information

Command Path:

```
# configure [['terminal', 't']]
(config)# analytics cluster <WORD>
(config-analytics)# flow-exporter <WORD>
(config-analytics-cluster-exporter)# destination <A.B.C.D|A:B::C:D>
```

destination address

destination address <A.B.C.D|A:B::C:D>

Description: Configure destination address

Syntax:

A.B.C.D|A:B::C:D	A.B.C.D|A:B::C:D

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# destination address <A.B.C.D|A:B::C:D>
```

destination address <A.B.C.D|A:B::C:D>

Description: Configure destination address

Syntax:

A.B.C.D|A:B::C:D	A.B.C.D|A:B::C:D

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-exporter)# destination address <A.B.C.D|A:B::C:D>
```

destination address <A.B.C.D|A:B::C:D>

Description: Configure destination address

Syntax:

A.B.C.D|A:B::C:D	A.B.C.D|A:B::C:D

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# destination address <A.B.C.D|A:B::C:D>
```

destination destip

destination destip <A.B.C.D>

Description: Configure monitor remote destination

Syntax:

A.B.C.D	Destination IP address

Command Mode: monitor virtual : Configure monitor session for virtual switches

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# destination destip <A.B.C.D>
```

destination epg

destination epg tenant <WORD> application <WORD> epg <WORD>

Description: Configure destination EPg

Syntax:

tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
application	Application hosting the EPg
WORD	Application hosting the EPg (Max Size 64)
epg	EPg
WORD	EPg (Max Size 64)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# destination epg tenant <WORD> application <WORD> epg <WORD>
```

destination epg tenant <WORD> application <WORD> epg <WORD>

Description: Configure destination EPg

Syntax:

tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
application	Application hosting the EPg
WORD	Application hosting the EPg (Max Size 64)
epg	EPg
WORD	EPg (Max Size 64)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
```

```
<dstPort>
(config-flow-exporter)# destination epg tenant <WORD> application <WORD> epg <WORD>
```

destination epg tenant <WORD> application <WORD> epg <WORD>

Description: Configure destination EPg

Syntax:

tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
application	Application hosting the EPg
WORD	Application hosting the EPg (Max Size 64)
epg	EPg
WORD	EPg (Max Size 64)

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# destination epg tenant <WORD> application <WORD> epg <WORD>
```

destination external-l3 epg tenant l3out epg

destination external-l3 epg tenant <WORD> l3out <WORD> epg <WORD>

Description: Epg

Syntax:

tenant	Tenant
WORD	Tenant hosting the EPg (Max Size 63)
WORD	l3Out within the Tenant (Max Size 64)
WORD	l3Out within the Tenant (Max Size 64)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# destination external-l3 epg tenant <WORD> l3out <WORD> epg <WORD>
```

destination external-l3 epg tenant <WORD> l3out <WORD> epg <WORD>

Description: Epg

Syntax:

tenant	Tenant
WORD	Tenant hosting the EPg (Max Size 63)
WORD	l3Out within the Tenant (Max Size 64)
WORD	l3Out within the Tenant (Max Size 64)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-exporter)# destination external-l3 epg tenant <WORD> l3out <WORD> epg <WORD>
```

destination external-l3 epg tenant <WORD> l3out <WORD> epg <WORD>

Description: Epg

Syntax:

tenant	Tenant
WORD	Tenant hosting the EPg (Max Size 63)
WORD	l3Out within the Tenant (Max Size 64)
WORD	l3Out within the Tenant (Max Size 64)

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# destination external-l3 epg tenant <WORD> l3out <WORD> epg <WORD>
```

destination external-l3 epg tenant vrf epg

destination external-l3 epg tenant <WORD> vrf <WORD> epg <WORD>

Description: epg

Syntax:

tenant	Tenant
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Vrf on the Tenant (Max Size 64)
WORD	Instp within the Tenant (Max Size 64)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# destination external-l3 epg tenant <WORD> vrf <WORD> epg <WORD>
```

destination external-l3 epg tenant <WORD> vrf <WORD> epg <WORD>

Description: epg

Syntax:

tenant	Tenant
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Vrf on the Tenant (Max Size 64)
WORD	Instp within the Tenant (Max Size 64)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-exporter)# destination external-l3 epg tenant <WORD> vrf <WORD> epg <WORD>
```

destination external-l3 epg tenant <WORD> vrf <WORD> epg <WORD>

Description: epg

Syntax:

tenant	Tenant
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Vrf on the Tenant (Max Size 64)
WORD	Instp within the Tenant (Max Size 64)

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# destination external-l3 epg tenant <WORD> vrf <WORD> epg <WORD>
```

destination interface ethernet

destination interface ethernet <ethernet> leaf <leaf Id> [mtu <mtu>]

Description: Configure monitor local destination

Syntax:

<ethernet>	<ethernet>
leaf	leaf
<leaf Id>	leaf Id
mtu	(Optional) mtu value. Number range from=64 to=9216

Command Mode: monitor access session : Configue monitor session for access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination interface ethernet <ethernet> leaf <leaf Id> [mtu
<mtu>]
```

destination interface port-channel

destination interface port-channel <port-channel> leaf <leaf Id> [mtu <mtu>]

Description: Configure monitor local destination

Syntax:

<port-channel>	<port-channel>
leaf	leaf
<leaf Id>	leaf Id
mtu	(Optional) mtu value. Number range from=64 to=9216

Command Mode: monitor access session : Configue monitor session for access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination interface port-channel <port-channel> leaf <leaf Id>
[mtu <mtu>]
```

destination tenant

destination tenant <tenant_name> application <application_name> epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>

Description: Configure monitor remote destination

Syntax:

tenant_name	tenant name (Max Size 63)
application	application
application_name	application name (Max Size 64)
epg	epg
epg_name	epg name (Max Size 64)
destination-ip	destination IP
A.B.C.D	IP address
source-ip-prefix	source IP prefix
A.B.C.D/M	IP adddress prefix

Command Mode: monitor access session : Configue monitor session for access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
```

destination tenant <WORD> application <WORD> epg <WORD> mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure monitor local destination

Syntax:

WORD	tenant name (Max Size 63)
application	application
WORD	application name (Max Size 64)
epg	epg
WORD	epg name (Max Size 64)
mac	mac

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: monitor virtual : Configure monitor session for virtual switches

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# destination tenant <WORD> application <WORD> epg <WORD> mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

device-address

device-address <device-address>

Description: Device Address

Syntax:

device-address	Device Address

Command Mode: integrations-mgr : Integrations Manager

Command Path:

```
# configure [['terminal', 't']]
(config)# integrations-group <WORD>
(config-integrations-group)# integrations-mgr <WORD> <type>
(config-integrations-mgr)# device-address <device-address>
```

device-package

device-package <mdev>

Description: Add device package

Syntax:

mdev	mdev

Command Mode: function-profile : Configure function profile container

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# function-profile <WORD>
(config-function-profile)# device-package <mdev>
```

dhcp option

dhcp option <WORD> id <NUMBER> [data <WORD>]

Description: Add or modify an existing DHCP option when relayed from the server to the client

Syntax:

WORD	Name of the option to add (Max Size 64)
id	ID of the option
<0-255>	ID of the option. Number range from=0 to=255
WORD	(Optional) Body of the Option TLV as hex string, surrounded by single quotes ex: 'foo*' (Max Size 256)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# dhcp option <WORD> id <NUMBER> [data <WORD>]
```

dhcp relay policy

dhcp relay policy tenant|infra <WORD> [option <WORD>]

Description: Associate the BD with a DHCP Relay policy

Syntax:

tenant	Select DHCP policies from current Tenant
infra	Select DHCP policy from infra
WORD	Name of the DHCP relay policy (Max Size 64)
WORD	(Optional) Name of the DHCP option policy (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# dhcp relay policy tenant|infra <WORD> [option <WORD>]
```

dhcp relay policy tenant|infra <WORD>

Description: Associate the SVIs with a DHCP Relay policy

Syntax:

tenant	Select DHCP policies from current Tenant
infra	Select DHCP policy from infra
WORD	Name of the DHCP relay policy (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# dhcp relay policy tenant|infra <WORD>
```

dhcp relay policy tenant|infra <WORD>

Description: Associate the SVIs with a DHCP Relay policy

Syntax:

tenant	Select DHCP policies from current Tenant

infra	Select DHCP policy from infra
WORD	Name of the DHCP relay policy (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# dhcp relay policy tenant|infra <WORD>
```

dhcp relay policy tenant|infra <WORD>

Description: Associate the SVIs with a DHCP Relay policy

Syntax:

tenant	Select DHCP policies from current Tenant
infra	Select DHCP policy from infra
WORD	Name of the DHCP relay policy (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# dhcp relay policy tenant|infra <WORD>
```

dhcp relay policy tenant|infra <WORD>

Description: Associate the SVIs with a DHCP Relay policy

Syntax:

tenant	Select DHCP policies from current Tenant
infra	Select DHCP policy from infra
WORD	Name of the DHCP relay policy (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# dhcp relay policy tenant|infra <WORD>
```

dhcp relay policy tenant|infra <WORD>

Description: Associate the SVIs with a DHCP Relay policy

Syntax:

tenant	Select DHCP policies from current Tenant
infra	Select DHCP policy from infra
WORD	Name of the DHCP relay policy (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# dhcp relay policy tenant|infra <WORD>
```

dhcp relay policy tenant|infra <WORD>

Description: Associate the SVIs with a DHCP Relay policy

Syntax:

tenant	Select DHCP policies from current Tenant
infra	Select DHCP policy from infra
WORD	Name of the DHCP relay policy (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# dhcp relay policy tenant|infra <WORD>
```

dhcpv4-server

dhcpv4-server

Description: Config DHCPv4 server in trust control policy

Command Mode: trust-control : Configuration for trust control policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# trust-control <WORD>
(config-tenant-fhs-trustctrl)# dhcpv4-server
```

dhcpv6-server

dhcpv6-server

Description: Config DHCPv6 server in trust control policy

Command Mode: trust-control : Configuration for trust control policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# trust-control <WORD>
(config-tenant-fhs-trustctrl)# dhcpv6-server
```

dhparam

dhparam <dhparam>

Description: Set the DH parameter used for HTTPS communication service

Syntax:

dhparam	DH Param as comma separated values like val1,val2,..valN

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# dhparam <dhparam>
```

direction

direction both|rx|tx

Description: Monitor direction

Syntax:

both	both
rx	rx
tx	tx

Command Mode: source interface ethernet : Configure monitor for ethernet access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface ethernet <ethernet> leaf <leaf Id>
(config-monitor-access-source)# direction both|rx|tx
```

direction both|rx|tx

Description: Monitor direction

Syntax:

both	both
rx	rx
tx	tx

Command Mode: source interface port-channel : Configure monitor for port-channel interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface port-channel <port-channel list> leaf <leaf Id>
[fex <fex Id>]
(config-monitor-access-source)# direction both|rx|tx
```

direction both|rx|tx

Description: Monitor direction

Syntax:

both	both
rx	rx

tx	tx

Command Mode: source interface vpc : Configure monitor for VPC interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface vpc <vpc list> leaf <leaf Id1> <leaf Id2> [fex
<fex Ids>]
(config-monitor-access-source)# direction both|rx|tx
```

direction both|rx|tx

Description: Monitor direction

Syntax:

both	both
rx	rx
tx	tx

Command Mode: source interface ethernet : Configure monitor for ethernet fabric interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# source interface ethernet <ethernet> switch <switch Id>
(config-monitor-fabric-source)# direction both|rx|tx
```

direction both|rx|tx

Description: Monitor direction

Syntax:

both	both
rx	rx
tx	tx

Command Mode: source application : Configure EPG as monitor source

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# source application <application_name> epg <epg_name>
(config-monitor-tenant-source)# direction both|rx|tx
```

direction both|rx|tx

Description: Configure monitor source direction

Syntax:

both	both
rx	rx
tx	tx

Command Mode: source : Configure monitor virtual source

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# source tenant <WORD> application <WORD> epg <WORD> [mac <E.E.E
EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]
(config-monitor-virtual-source)# direction both|rx|tx
```

disable-connected-check

disable-connected-check

Description: Disable check for directly connected peer

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# disable-connected-check
```

disable-connected-check

Description: Disable check for directly connected peer

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# disable-connected-check
```

disable-peer-as-check

disable-peer-as-check

Description: Disable checking of peer AS-number while advertising

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# disable-peer-as-check
```

disable-peer-as-check

Description: Disable checking of peer AS-number while advertising

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# disable-peer-as-check
```

distance

distance <NUMBER>

Description: Set OSPF Policy Preferred Administrative Distance

Syntax:

<1-255>	Distance Value. Number range from=1 to=255

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# distance <NUMBER>
```

distance <NUMBER> <NUMBER> <NUMBER>

Description: Configure BGP Address Family Distance Properties

Syntax:

<1-255>	The administrative distance of eBGP routes. Number range from=1 to=255
<1-255>	The administrative distance of iBGP routes. Number range from=1 to=255
<1-255>	The administrative distance of local routes. Number range from=1 to=255

Command Mode: template bgp address-family : Configure Router BGP Address Family Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp address-family <WORD> tenant <WORD>
(config-bgp-af)# distance <NUMBER> <NUMBER> <NUMBER>
```

distance <NUMBER> <NUMBER>

Description: Set EIGRP adminstrative distances

Syntax:

<1-255>	The administrative distance preference for internal routes. Number range from=1 to=255
<1-255>	The administrative distance preference for external routes. Number range from=1 to=255

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# distance <NUMBER> <NUMBER>
```

distance <NUMBER> <NUMBER>

Description: Set EIGRP adminstrative distances

Syntax:

<1-255>	The administrative distance preference for internal routes. Number range from=1 to=255
<1-255>	The administrative distance preference for external routes. Number range from=1 to=255

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# distance <NUMBER> <NUMBER>
```

distance <NUMBER>

Description: Set OSPF Policy Preferred Administrative Distance

Syntax:

<1-255>	Distance Value. Number range from=1 to=255

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# distance <NUMBER>
```

distance <NUMBER> <NUMBER> <NUMBER>

Description: Configure BGP Address Family Distance Properties

Syntax:

<1-255>	The administrative distance of eBGP routes. Number range from=1 to=255
<1-255>	The administrative distance of iBGP routes. Number range from=1 to=255
<1-255>	The administrative distance of local routes. Number range from=1 to=255

Command Mode: template bgp address-family : Configure Router BGP Address Family Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp address-family <WORD> tenant <WORD>
(config-bgp-af)# distance <NUMBER> <NUMBER> <NUMBER>
```

distance <NUMBER> <NUMBER>

Description: Set EIGRP adminstrative distances

Syntax:

<1-255>	The administrative distance preference for internal routes. Number range from=1 to=255
<1-255>	The administrative distance preference for external routes. Number range from=1 to=255

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# distance <NUMBER> <NUMBER>
```

distance <NUMBER> <NUMBER>

Description: Set EIGRP adminstrative distances

Syntax:

<1-255>	The administrative distance preference for internal routes. Number range from=1 to=255
<1-255>	The administrative distance preference for external routes. Number range from=1 to=255

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# distance <NUMBER> <NUMBER>
```

dns

dns

Description: Configure default dns policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# dns
```

dns label <WORD>

Description: Add a DNS policy to the VRF

Syntax:

label	Dns policy to apply
WORD	Dns policy to apply (Max Size 64)

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# dns label <WORD>
```

dnssearchsuffix

dnssearchsuffix \<suffix\>

Description: Add DNS search suffix

Syntax:

suffix	suffix

Command Mode: microsoft : Configure static IP pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# microsoft static-ip-pool <name> gateway <gwAddress>
(config-tenant-app-epg-ms-ip-pool)# dnssearchsuffix <suffix>
```

dnsservers

dnsservers <DNS server list>

Description: Add dns servers

Syntax:

DNS server list	DNS server list

Command Mode: microsoft : Configure static IP pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# microsoft static-ip-pool <name> gateway <gwAddress>
(config-tenant-app-epg-ms-ip-pool)# dnsservers <DNS server list>
```

dnssuffix

dnssuffix <suffix>

Description: Add dns suffix

Syntax:

suffix	suffix

Command Mode: microsoft : Configure static IP pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# microsoft static-ip-pool <name> gateway <gwAddress>
(config-tenant-app-epg-ms-ip-pool)# dnssuffix <suffix>
```

dnssvr

dnssvr <A.B.C.D>

Description: dnssvr configuration mode

Syntax:

A.B.C.D	IP Unicast address in format i.i.i.i

Command Mode: dnssvrgrp : dnssvrgrp configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dnssvrgrp <WORD>
(config-tenant-dnssvrgrp)# dnssvr <A.B.C.D>
```

dnssvrgrp

dnssvrgrp <WORD>

Description: dnssvrgrp configuration mode

Syntax:

WORD	Server group name (Max Size 16)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dnssvrgrp <WORD>
```

domain

domain <WORD>

Description: Create the AAA domain to which the user belongs.

Syntax:

WORD	Domain for the user

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# domain <WORD>
```

domain <WORD> [default]

Description: Configure the domains for dns servers

Syntax:

WORD	Domain in the format ^([a-zA-Z]|[a-zA-Z][a-zA-Z0-9]|[a-zA-Z][a-zA-Z0-9-.]{0,253}[a-zA-Z0-9])$
default	(Optional) Set the default domain for dns servers

Command Mode: dns : Configure default dns policy

Command Path:

```
# configure [['terminal', 't']]
(config)# dns
(config-dns)# domain <WORD> [default]
```

domain <WORD>

Description: domain configuration mode

Syntax:

WORD	Name of domain (Max Size 512)

Command Mode: dnssvr : dnssvr configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dnssvrgrp <WORD>
(config-tenant-dnssvrgrp)# dnssvr <A.B.C.D>
```

```
(config-tenant-dnssvrgrp-dnssvr)# domain <WORD>
```

domain <WORD>

Description: Create the AAA domain to which the Group DN belongs.

Syntax:

WORD	Domain for the user

Command Mode: ldap-group-map-rule : LDAP group map rule name.

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-group-map-rule <WORD>
(config-ldap-group-map-rule)# domain <WORD>
```

dot1q-tunnel

dot1q-tunnel <WORD>

Description: Tunnel configuration mode

Syntax:

WORD	Tunnel EPG name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dot1q-tunnel <WORD>
```

drop

drop enable

Description: Enable span on drop

Syntax:

enable	enable

Command Mode: source interface ethernet : Configure monitor for ethernet access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface ethernet <ethernet> leaf <leaf Id>
(config-monitor-access-source)# drop enable
```

drop enable

Description: Enable span on drop

Syntax:

enable	enable

Command Mode: source interface port-channel : Configure monitor for port-channel interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface port-channel <port-channel list> leaf <leaf Id>
[fex <fex Id>]
(config-monitor-access-source)# drop enable
```

drop enable

Description: Enable span on drop

Syntax:

enable	enable

Command Mode: source interface vpc : Configure monitor for VPC interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface vpc <vpc list> leaf <leaf Id1> <leaf Id2> [fex
<fex Ids>]
```

```
(config-monitor-access-source)# drop enable
```

drop enable

Description: Enable span on drop

Syntax:

enable	enable

Command Mode: source interface ethernet : Configure monitor for ethernet fabric interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# source interface ethernet <ethernet> switch <switch Id>
(config-monitor-fabric-source)# drop enable
```

dscp

dscp <0-63>

Description: Configure dscp

Syntax:

<0-63>	Dscp Value

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# dscp <0-63>
```

dscp <0-63>

Description: Configure dscp

Syntax:

<0-63>	Dscp Value

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-exporter)# dscp <0-63>
```

dscp <0-63>

Description: Configure dscp

Syntax:

<0-63>	Dscp Value

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# dscp <0-63>
```

dscp <WORD>

Description: Specifies the DSCP value

Syntax:

WORD	DSCP value

Command Mode: flow-exporter : Configure external analytics reachability information

Command Path:

```
# configure [['terminal', 't']]
(config)# analytics cluster <WORD>
(config-analytics)# flow-exporter <WORD>
(config-analytics-cluster-exporter)# dscp <WORD>
```

dsr-vip

dsr-vip <WORD>

Description: Configure DSR VIP for a L4-L7 Graph Connector.

Syntax:

WORD	Enter VIP address (Max Size None)

Command Mode: connector : Configure Connector for a Service Node

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode
 <Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]
(config-service)# connector <WORD> [cluster-interface <WORD>]
(config-connector)# dsr-vip <WORD>
```

dsr

dsr virtual-ip-address <address> [description <description>]

Description: Add a DSR virtual IP address

Syntax:

virtual-ip-address	Virtual IP address of load balancer
<address>	IP address
description	(Optional) description

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# dsr virtual-ip-address <address> [description <description>]
```

E Commands

ebgp-multihop

ebgp-multihop <NUMBER>

Description: Specify multihop TTL for remote peer

Syntax:

<1-255>	EBGP TTL value. Number range from=1 to=255

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# ebgp-multihop <NUMBER>
```

ebgp-multihop <NUMBER>

Description: Specify multihop TTL for remote peer

Syntax:

<1-255>	EBGP TTL value. Number range from=1 to=255

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# ebgp-multihop <NUMBER>
```

echo-address

echo-address <arg>

Description: Configure BFD ECHO-SRC-ADDRESS value

Syntax:

arg	

Command Mode: template bfd : BFD group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd ip|ipv6 <WORD>
(config-bfd)# echo-address <>
```

echo-mode

echo-mode enable

Description: Enable Echo mode

Syntax:

enable	Enable Echo mode

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# echo-mode enable
```

echo-mode enable

Description: Enable Echo mode

Syntax:

enable	Enable Echo mode

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# echo-mode enable
```

echo-rx-interval

echo-rx-interval <NUMBER>

Description: Configure BFD ECHO-RX-INTERVAL value in milliseconds

Syntax:

<interval>	BFD interval. Number range from=50 to=999

Command Mode: template bfd : BFD group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd ip|ipv6 <WORD>
(config-bfd)# echo-rx-interval <NUMBER>
```

echo-rx-interval <NUMBER>

Description: Configure Echo Rx Interval in milliseconds

Syntax:

<interval>	Echo Rx Interval. Number range from=50 to=999

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# echo-rx-interval <NUMBER>
```

echo-rx-interval <NUMBER>

Description: Configure Echo Rx Interval in milliseconds

Syntax:

<interval>	Echo Rx Interval. Number range from=50 to=999

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# echo-rx-interval <NUMBER>
```

ecn

ecn enabled|disabled

Description: Set Explicit congestion notification for WRED

Syntax:

enabled	Set Explicit congestion notification for WRED
disabled	Disable congestion notification for WRED

Command Mode: algo : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# algo wred|tail-drop
(config-qos-algo)# ecn enabled|disabled
```

email-addr

email-addr <WORD>

Description: Configure the e-mail address

Syntax:

WORD	The email address (Max Size None)

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# email-addr <WORD>
```

email-addr <WORD>

Description: Configure the e-mail address

Syntax:

WORD	The email address (Max Size None)

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# email-addr <WORD>
```

email-contact

email-contact <WORD>

Description: The contact e-mail address

Syntax:

WORD	Contract e-mail address (Max Size 512)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# email-contact <WORD>
```

email-contact <WORD>

Description: The contact e-mail address

Syntax:

WORD	Contract e-mail address (Max Size 512)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# email-contact <WORD>
```

email

email <WORD>

Description: Set The email address of the locally-authenticated user.

Syntax:

WORD	email address of the locally-authenticated user

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# email <WORD>
```

email <WORD>

Description: Set The email address of the organization contact person.

Syntax:

<WORD>	email address (Max Size 40)

Command Mode: csr : A csr mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# csr
(config-csr)# email <WORD>
```

enable-bfd

enable-bfd

Description: Enable Bidirectional Forwarding Detection(BFD) protocol

Command Mode: template hsrp interface-policy : Configure HSRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp interface-policy <WORD> tenant <WORD>
(config-template-hsrp-if-pol)# enable-bfd
```

enable-bfd

Description: Enable Bidirectional Forwarding Detection(BFD) protocol

Command Mode: template hsrp interface-policy : Configure HSRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp interface-policy <WORD> tenant <WORD>
(config-template-hsrp-if-pol)# enable-bfd
```

enable-ssl

enable-ssl

Description: Enabling an SSL connection with the LDAP provider

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# enable-ssl
```

enable-throttle

enable-throttle

Description: Enable HTTP AAA Login/Refresh throttling

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# enable-throttle
```

enable-throttle

Description: Enable HTTPS AAA Login/Refresh throttling

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# enable-throttle
```

enable

enable

Description: Enable macsec policy

Command Mode: template macsec access|fabric interface-policy : Configure macsec interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric interface-policy <WORD>
(config-macsec-if-policy)# enable
```

enable

Description: Enable TWAMP Responder policy

Command Mode: template twamp responder-policy : Configure twamp responder policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template twamp responder-policy <WORD>
(config-twamp-responder-policy)# enable
```

enable

Description: Enable TWAMP Server policy

Command Mode: template twamp server-policy : Configure twamp server policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template twamp server-policy <WORD>
(config-twamp-server-policy)# enable
```

encap-mode

encap-mode auto|vlan|vxlan

Description: Enforce encap mode, domain mode will be used if not set

Syntax:

auto	Uses domain preference
vlan	VLAN
vxlan	VXLAN

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# encap-mode auto|vlan|vxlan
```

encap-sync

encap-sync <encapSync>

Description: Encap Sync Mode

Syntax:

<encapSync>	Encap Sync Mode

Command Mode: integrations-mgr : Integrations Manager

Command Path:

```
# configure [['terminal', 't']]
(config)# integrations-group <WORD>
(config-integrations-group)# integrations-mgr <WORD> <type>
(config-integrations-mgr)# encap-sync <encapSync>
```

encap

encap scope <arg>

Description: Configure the encap scope

Syntax:

scope	The encap scope
arg	

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# encap scope <>
```

encap scope <arg>

Description: Configure the encap scope

Syntax:

scope	The encap scope
arg	

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# encap scope <>
```

encap scope <arg>

Description: Configure the encap scope

Syntax:

scope	The encap scope
arg	

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# encap scope <>
```

encap scope <arg>

Description: Configure the encap scope

Syntax:

scope	The encap scope
arg	

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# encap scope <>
```

encryption

encryption

Description: Enable AES Encryption

Command Mode: crypto aes : AES encryption configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto aes
(config-aes)# encryption
```

end

end

Description: Exit to the exec mode

Command Mode: exec : Exec Mode

Command Path:

```
# end
```

endpoint

endpoint retention <WORD>

Description: Specify an endpoint retention policy for this VRF

Syntax:

retention	Specify an endpoint retention policy for this VRF
WORD	Endpoint Retention Policy (Max Size 64)

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# endpoint retention <WORD>
```

endpoint ip

endpoint ip <A.B.C.D/LEN>

Description: IP endpoint

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ip <A.B.C.D/LEN>
```

endpoint ip aging

endpoint ip aging

Description: Enable/Disable Endpoint IP Aging

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint ip aging
```

endpoint ip anycast

endpoint ip <A.B.C.D/LEN> anycast E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: IP endpoint

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ip <A.B.C.D/LEN> anycast
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

endpoint ip epnlb mode group

endpoint ip <A.B.C.D/LEN> epnlb mode <WORD> group <IP>

Description: NLB endpoint Group for igmp mode

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
WORD	epNlb mode
IP	Multicast IP

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ip <A.B.C.D/LEN> epnlb mode <WORD> group <IP>
```

endpoint ip epnlb mode mac

**endpoint ip <A.B.C.D/LEN> epnlb mode <WORD> mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE**

Description: NLB endpoint mac

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
WORD	epNlb mode
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ip <A.B.C.D/LEN> epnlb mode <WORD> mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

endpoint ip next-hop

endpoint ip <A.B.C.D/LEN> next-hop <A.B.C.D>

Description: IP endpoint

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
A.B.C.D	IP address in format i.i.i.i

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ip <A.B.C.D/LEN> next-hop <A.B.C.D>
```

endpoint ipv6

endpoint ipv6 <A:B::C:D/LEN>

Description: IPv6 endpoint

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ipv6 <A:B::C:D/LEN>
```

endpoint ipv6 anycast

endpoint ipv6 <A:B::C:D/LEN> anycast E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: IPv6 endpoint

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ipv6 <A:B::C:D/LEN> anycast
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

endpoint ipv6 epnlb mode group

endpoint ipv6 <A:B::C:D/LEN> epnlb mode <WORD> group <IP>

Description: NLB endpoint Group for igmp mode

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
WORD	epNlb mode
IP	Multicast IP

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ipv6 <A:B::C:D/LEN> epnlb mode <WORD> group <IP>
```

endpoint ipv6 next-hop

endpoint ipv6 <A:B::C:D/LEN> next-hop <A:B::C:D>

Description: IPv6 endpoint

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ipv6 <A:B::C:D/LEN> next-hop <A:B::C:D>
```

endpoint loop-detect action bd-learn-disable

endpoint loop-detect action bd-learn-disable

Description: Configure Endpoint Loop Protection Action to BD-Learn-Disable

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint loop-detect action bd-learn-disable
```

endpoint loop-detect action port-disable

endpoint loop-detect action port-disable

Description: Configure Endpoint Loop Protection Action to Port-Disable

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint loop-detect action port-disable
```

endpoint loop-detect enable

endpoint loop-detect enable

Description: Enable/Disable Endpoint Loop-Detect Policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint loop-detect enable
```

endpoint loop-detect factor

endpoint loop-detect factor <NUMBER>

Description: Configure Endpoint Loop Detection Factor

Syntax:

<1-255>	End Point Loop Protection Multipication Factor. Number range from=1 to=255

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint loop-detect factor <NUMBER>
```

endpoint loop-detect interval

endpoint loop-detect interval <NUMBER>

Description: Configure Endpoint Loop Detection Interval

Syntax:

| *<30-300>* | End Point Loop Detection Interval. Number range from=30 to=300 |

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint loop-detect interval <NUMBER>
```

endpoint move-detection

endpoint move-detection <WORD>

Description: Endpoint Move detection Mode

Syntax:

WORD	Endpoint Move detection Mode

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint move-detection <WORD>
```

endpoint retention bounce-age-interval

endpoint retention bounce-age-interval x in <0-0> or <150-65535>

Description: Set the bounce age interval for endpoints

Syntax:

x in <0-0> or <150-65535>	Set the Bounce Age Interval, use 0 for infinite

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention bounce-age-interval x in <0-0> or <150-65535>
```

endpoint retention bounce-age-interval x in <0-0> or <150-65535>

Description: Set the bounce age interval for endpoints

Syntax:

x in <0-0> or <150-65535>	Set the Bounce Age Interval, use 0 for infinite

Command Mode: template endpoint retention policy : Configure an endpoint retention policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
(config-tenant-template-endpoint-retention)# endpoint retention bounce-age-interval x in
<0-0> or <150-65535>
```

endpoint retention hold-interval

endpoint retention hold-interval <NUMBER>

Description: Set the hold interval for endpoints

Syntax:

<5-65535>	Set the Hold Interval. Number range from=5 to=65535

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention hold-interval <NUMBER>
```

endpoint retention hold-interval <NUMBER>

Description: Set the hold interval for endpoints

Syntax:

<5-65535>	Set the Hold Interval. Number range from=5 to=65535

Command Mode: template endpoint retention policy : Configure an endpoint retention policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
(config-tenant-template-endpoint-retention)# endpoint retention hold-interval <NUMBER>
```

endpoint retention local-age-interval

endpoint retention local-age-interval x in <0-0> or <120-65535>

Description: Set the local endpoint age interval

Syntax:

x in *<0-0> or <120-65535>*	Set the local endpoint age interval, use 0 for infinite

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention local-age-interval x in <0-0> or <120-65535>
```

endpoint retention local-age-interval x in <0-0> or <120-65535>

Description: Set the local endpoint age interval

Syntax:

x in *<0-0> or <120-65535>*	Set the local endpoint age interval, use 0 for infinite

Command Mode: template endpoint retention policy : Configure an endpoint retention policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
(config-tenant-template-endpoint-retention)# endpoint retention local-age-interval x in
<0-0> or <120-65535>
```

endpoint retention move-frequency

endpoint retention move-frequency <NUMBER>

Description: Set the move frequency

Syntax:

<0-65535>	Set the move frequency. Number range from=0 to=65535

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention move-frequency <NUMBER>
```

endpoint retention move-frequency <NUMBER>

Description: Set the move frequency

Syntax:

<0-65535>	Set the move frequency. Number range from=0 to=65535

Command Mode: template endpoint retention policy : Configure an endpoint retention policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
(config-tenant-template-endpoint-retention)# endpoint retention move-frequency <NUMBER>
```

endpoint retention policy

endpoint retention policy <WORD>

Description: Associate the BD with an endpoint retention policy

Syntax:

WORD	Name of the endpoint retention policy to set (Max Size 64)

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention policy <WORD>
```

endpoint retention remote-age-interval

endpoint retention remote-age-interval x in <0-0> or <120-65535>

Description: Set the remote endpoint age interval

Syntax:

x in <0-0> or <120-65535>	Remote endpoint age interval, use 0 for infinite

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention remote-age-interval x in <0-0> or <120-65535>
```

endpoint retention remote-age-interval x in <0-0> or <120-65535>

Description: Set the remote endpoint age interval

Syntax:

x in <0-0> or <120-65535>	Remote endpoint age interval, use 0 for infinite

Command Mode: template endpoint retention policy : Configure an endpoint retention policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
(config-tenant-template-endpoint-retention)# endpoint retention remote-age-interval x in
<0-0> or <120-65535>
```

endpoint rogue-detect enable

endpoint rogue-detect enable

Description: Enable/Disable Rogue Endpoint Detection Policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint rogue-detect enable
```

endpoint rogue-detect factor

endpoint rogue-detect factor <NUMBER>

Description: Configure Rogue Endpoint Detection Factor

Syntax:

<2-65535>	Rogue Endpoint Detection Factor. Number range from=2 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint rogue-detect factor <NUMBER>
```

endpoint rogue-detect hold-interval

endpoint rogue-detect hold-interval <NUMBER>

Description: Configure Rogue Endpoint Hold Interval

Syntax:

<300-3600>	Rogue Endpoint Hold Interval. Number range from=300 to=3600

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint rogue-detect hold-interval <NUMBER>
```

endpoint rogue-detect interval

endpoint rogue-detect interval <NUMBER>

Description: Configure Rogue Endpoint Detection Interval

Syntax:

<30-3600>	Rogue Endpoint Detection Interval. Number range from=30 to=3600

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint rogue-detect interval <NUMBER>
```

endtime

endtime <LINE>

Description: Set endTime

Syntax:

LINE	endTime in UTC format (Max Size None)

Command Mode: key-policy : Configuration for Key Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# keychain-policy <WORD>
(config-tenant-keychainpolicy)# key-policy <NUMBER>
(config-tenant-keychainpolicy-keypolicy)# endtime <LINE>
```

enforce-subnet-learning

enforce-subnet-learning

Description: Subnet learning enforcement

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# enforce-subnet-learning
```

enhancedlacp

enhancedlacp <lag-policy-name>

Description: Configure Enhanced LACP mode on DVS uplink ports

Syntax:

<lag-policy-name>	Enhanced Lag Policy Name

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# enhancedlacp <lag-policy-name>
```

ep-flush

ep-flush

Description: Clear remote L2 entries when local vPC L2 entries are cleared

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# ep-flush
```

ep-retention-time

ep-retention-time <WORD>

Description: Retention Time for all End Points in this domain

Syntax:

WORD	End Point Retention Time

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# ep-retention-time <WORD>
```

epdamp

epdamp disable

Description: Disable COOP EpDampening flag

Syntax:

disable	Disable COOP EpDampening flag

Command Mode: coop-fabric : Council Of Oracles Protocol (COOP)

Command Path:

```
# configure [['terminal', 't']]
(config)# coop-fabric
(config-coop-fabric)# epdamp disable
```

epdamp disable

Description: Disable COOP EpDampening flag

Syntax:

disable	Disable COOP EpDampening flag

Command Mode: coop : COOP protocol

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# coop fabric
(config-pod-coop)# epdamp disable
```

epg

epg tenant <arg> application <arg> epg <arg>

Description: EPG the Power Device will connect to

Syntax:

tenant	Tenant hosting the EPg
arg	
application	Application Name
arg	
epg	EPg for the Power Device
arg	

Command Mode: switchport power-over-ethernet : Power Over Ethernet configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport power-over-ethernet <WORD>
(config-power-over-ethernet)# epg tenant <> application <> epg <>
```

epg <WORD> [type <WORD>]

Description: AEPg configuration mode

Syntax:

WORD	Application EPG name (Max Size 64)
WORD	(Optional) Specify EPG type

Command Mode: application : application configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
```

epg <WORD>

Description: AEPg configuration mode

Syntax:

WORD	Application EPG name (Max Size 64)

Command Mode: application : application configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dnssvrgrp <WORD>
(config-tenant-dnssvrgrp)# application <WORD>
(config-tenant-dnssvrgrp-app)# epg <WORD>
```

eraseconfig

eraseconfig [setup]

Description: Erase config and reboot

Syntax:

setup	(Optional) Clean setup

Command Mode: exec : Exec Mode

Command Path:

```
# eraseconfig [setup]
```

errdisable recovery cause bpduguard

errdisable recovery cause bpduguard

Description: Enable timer to recover from BPDU Guard error disable

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# errdisable recovery cause bpduguard
```

errdisable recovery cause ep-move

errdisable recovery cause ep-move

Description: Enable timer to recover from End Point Move error disable

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# errdisable recovery cause ep-move
```

errdisable recovery cause mcp-loop

errdisable recovery cause mcp-loop

Description: Enable timer to recover from MCP Loop error disable

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# errdisable recovery cause mcp-loop
```

errdisable recovery interval

errdisable recovery interval <NUMBER>

Description: Configure Error Disable Recovery Interval

Syntax:

<30-65535>	Timer-interval (sec). Number range from=30 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# errdisable recovery interval <NUMBER>
```

erspan-id

erspan-id <id>

Description: Erspan Id

Syntax:

id	erspan Id. Number range from=1 to=1023

Command Mode: destination tenant : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-access-dest)# erspan-id <id>
```

erspan-id <id>

Description: Erspan Id

Syntax:

id	erspan Id. Number range from=1 to=1023

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-fabric-dest)# erspan-id <id>
```

erspan-id <arg>

Description: Erspan Id

Syntax:

arg	erspan Id. Number range from=1 to=1023

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
```

```
(config-monitor-tenant-dest)# erspan-id <>
```

erspan-id <arg>

Description: Configure ERSPAN ID

Syntax:

arg	ERSPAN ID. Number range from=1 to=1023

Command Mode: destination destip : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# destination destip <A.B.C.D>
(config-monitor-virtual-remote-dest)# erspan-id <>
```

erspan-version

erspan-version <version> [enforce]

Description: Set ERSPAN version

Syntax:

version	ERSPAN version
enforce	(Optional) enforce

Command Mode: destination tenant : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-access-dest)# erspan-version <version> [enforce]
```

erspan-version <version> [enforce]

Description: Set ERSPAN version

Syntax:

version	ERSPAN version
enforce	(Optional) enforce

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-fabric-dest)# erspan-version <version> [enforce]
```

erspan-version <version> [enforce]

Description: Set ERSPAN version

Syntax:

version	ERSPAN version
enforce	(Optional) enforce

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-tenant-dest)# erspan-version <version> [enforce]
```

esx-avail-override

esx-avail-override <esx-hostname> green|yellow|red

Description: Override ESX availability

Syntax:

<esx-hostname>	ESX Hostname
green	green
yellow	yellow
red	red

Command Mode: vcenter : Configure a vCenter in the VMware domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
(config-vmware-vc)# esx-avail-override <esx-hostname> green|yellow|red
```

evpn

evpn route-reflector spine <LIST>

Description: Configure BGP evpn route-reflectors

Syntax:

route-reflector	Configure BGP evpn route-reflectors
spine	Configure Spines as route-reflectors
LIST	Route-reflector spine node name or ID list. Ex. spine1 or 103,105

Command Mode: bgp-fabric : Border Gateway Protocol (BGP)

Command Path:

```
# configure [['terminal', 't']]
(config)# bgp-fabric
(config-bgp-fabric)# evpn route-reflector spine <LIST>
```

evpn route-reflector spine <LIST>

Description: Configure BGP evpn route-reflectors

Syntax:

route-reflector	Configure BGP evpn route-reflectors
spine	Configure Spines as route-reflectors
LIST	Route-reflector spine node name or ID list. Ex. spine1 or 103,105

Command Mode: bgp : Border Gateway Protocol (BGP)

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# bgp fabric
(config-pod-bgp)# evpn route-reflector spine <LIST>
```

evpn consumer

evpn consumer <WORD>

Description: EVPN Consumer

Syntax:

WORD	Label Name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn consumer <WORD>
```

evpn consumer <WORD>

Description: EVPN Consumer

Syntax:

WORD	Label Name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn consumer <WORD>
```

evpn export

evpn export map <WORD> label <WORD>

Description: VRF export

Syntax:

map	Route-map based VRF export
WORD	Route Map Name (Max Size 63)
label	Configure consumer label
WORD	Consumer label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn export map <WORD> label <WORD>
```

evpn export map <WORD> label <WORD>

Description: VRF export

Syntax:

map	Route-map based VRF export
WORD	Route Map Name (Max Size 63)
label	Configure consumer label
WORD	Consumer label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn export map <WORD> label <WORD>
```

evpn import

evpn import map <WORD> label <WORD>

Description: VRF import

Syntax:

map	Route-map based VRF import
WORD	Route Map Name (Max Size 63)
label	Configure consumer label
WORD	Consumer label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn import map <WORD> label <WORD>
```

evpn import map <WORD> label <WORD>

Description: VRF import

Syntax:

map	Route-map based VRF import
WORD	Route Map Name (Max Size 63)
label	Configure consumer label
WORD	Consumer label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn import map <WORD> label <WORD>
```

evpn provider

evpn provider <WORD>

Description: EVPN Provider

Syntax:

WORD	Provide Label Name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn provider <WORD>
```

evpn provider <WORD>

Description: EVPN Provider

Syntax:

WORD	Provide Label Name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn provider <WORD>
```

exception

exception name <WORD> [field <WORD>] [consumer-regexp <WORD>] [provider-regexp <WORD>]

Description: apply an exception to this subject

Syntax:

name	name
WORD	Name of the exception to apply (Max Size None)
WORD	(Optional) Filed on which regex applies
WORD	(Optional) consumer regex
WORD	(Optional) provider regex

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# exception name <WORD> [field <WORD>] [consumer-regexp <WORD>]
 [provider-regexp <WORD>]
```

exception name <WORD> [field <WORD>] [consumer-regexp <WORD>] [provider-regexp <WORD>]

Description: apply an exception to this subject

Syntax:

name	name
WORD	Name of the exception to apply (Max Size None)
WORD	(Optional) Filed on which regex applies
WORD	(Optional) consumer regex
WORD	(Optional) provider regex

Command Mode: contract : Configure binary contracts between Application EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# exception name <WORD> [field <WORD>] [consumer-regexp <WORD>]
[provider-regexp <WORD>]
```

exec

exec

Description: Exec Mode

Command Mode: None

exit

exit

Description: Exit from current mode

Command Mode: exec : Exec Mode

Command Path:

```
# exit
```

expiration

expiration <DATE>

Description: If expires enabled, Set expiration date of locally-authenticated user account.

Syntax:

DATE	UTC Date format (YYYY-MM-DDTHH:MM:SS.mmm[+-]hh:mm)

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# expiration <DATE>
```

expires

expires

Description: Enable expiry for locally-authenticated user account

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# expires
```

export-config

export-config <WORD>

Description: Export Configuration

Syntax:

WORD	Filename(absolute path)

Command Mode: exec : Exec Mode

Command Path:

```
# export-config <WORD>
```

export

export to tenant <WORD> [as <WORD>]

Description: Export a contract to another tenant

Syntax:

to	Tenant to export the command to
tenant	Tenant to export the command to
WORD	Tenant to export the command to (Max Size 63)
WORD	(Optional) New name under which the contract will be known (Max Size 64)

Command Mode: contract : Configure binary contracts between Application EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# export to tenant <WORD> [as <WORD>]
```

export map <WORD>

Description: VRF export

Syntax:

map	Route-map for inter VRF route leak
WORD	Route Map Name (Max Size 63)

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# export map <WORD>
```

export map <WORD>

Description: VRF export

Syntax:

map	Route-map for inter VRF route leak

WORD	Route Map Name (Max Size 63)

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# export map <WORD>
```

exporter

exporter <WORD>

Description: Assign Netflow Exporter to the Monitor

Syntax:

| WORD | Exporter Name (Max Size 64) |

Command Mode: flow monitor : Configure Netflow Monitor

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow monitor <WORD>
(config-tn-flow-monitor)# exporter <WORD>
```

exporter <WORD>

Description: Assign Netflow Exporter to the Monitor

Syntax:

| WORD | Exporter Name (Max Size 64) |

Command Mode: flow monitor : Configure Netflow Monitor

Command Path:

```
# configure [['terminal', 't']]
(config)# flow monitor <WORD>
(config-flow-monitor)# exporter <WORD>
```

extcommunity-list expanded

extcommunity-list expanded <WORD> <LINE>

Description: Configure expanded community list templates

Syntax:

WORD	Community list name (Max Size 64)
LINE	Regular-expression

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route group <WORD> tenant <WORD>
(config-route-group)# extcommunity-list expanded <WORD> <LINE>
```

extcommunity-list expanded <WORD> <LINE>

Description: Configure expanded community list templates

Syntax:

WORD	Community list name (Max Size 64)
LINE	Regular-expression

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route group <WORD> tenant <WORD>
(config-route-group)# extcommunity-list expanded <WORD> <LINE>
```

extcommunity-list standard

extcommunity-list standard <WORD> [scope <scope>] ASN2:NN

Description: Configure standard community list templates

Syntax:

WORD	Community list name (Max Size 64)
scope	(Optional) transitive or non-transitive
ASN2:NN	Community number aa:nn format

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route group <WORD> tenant <WORD>
(config-route-group)# extcommunity-list standard <WORD> [scope <scope>] ASN2:NN
```

extcommunity-list standard <WORD> [scope <scope>] ASN2:NN

Description: Configure standard community list templates

Syntax:

WORD	Community list name (Max Size 64)
scope	(Optional) transitive or non-transitive
ASN2:NN	Community number aa:nn format

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route group <WORD> tenant <WORD>
(config-route-group)# extcommunity-list standard <WORD> [scope <scope>] ASN2:NN
```

external-l2

external-l2 epg <WORD>

Description: L2 external EPG creation/configuration

Syntax:

epg	L2 external EPG name
WORD	L2 external EPG name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l2 epg <WORD>
```

external-l3

external-l3 epg <WORD> <WORD>

Description: External L3 EPG to associate

Syntax:

epg	Specify the external EPG
WORD	External L3 EPG name
WORD	evpn label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# external-l3 epg <WORD> <WORD>
```

external-l3 epg <WORD> <WORD>

Description: External L3 EPG to associate

Syntax:

epg	Specify the external EPG
WORD	External L3 EPG name
WORD	evpn label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# external-l3 epg <WORD> <WORD>
```

external-l3 epg

external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]

Description: External L3 EPG configuration mode

Syntax:

WORD	External L3 EPG name (Max Size 49)
oob-mgmt	(Optional) External L3 EPG for Out of band
l3out	(Optional) Configure external-l3 epg on an API configured L3Out

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
```

external-routed-domain

external-routed-domain <l3dom>

Description: Add l3Dom to the Resource Pool

Syntax:

l3dom	l3dom

Command Mode: l4l7 resource-pool : Configure L4-L7 Service Resource Pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# external-routed-domain <l3dom>
```

F Commands

fabric-external

fabric-external <NUMBER>

Description: Intrasite/Intersite Connectivity Profile

Syntax:

| *<ID>* | Fabric ID. Number range from=0 to=9223372036854775807 |

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
```

fabric-interface ethernet

fabric-interface ethernet

Description: Ethernet IEEE 802.3z

Syntax:

arg	interface range

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fabric-interface ethernet
```

fabric-interface ethernet

Description: Ethernet IEEE 802.3z

Syntax:

arg	interface range

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fabric-interface ethernet
```

fabric clear

fabric <nodes> clear <scope>

Description: clear switch information

Syntax:

<nodes>	node list
<scope>	switch command

Command Mode: exec : Exec Mode

Command Path:

```
# fabric <nodes> clear <scope>
```

Usage Notes:

When clearing virtual fibre channel (VFC) interface counters using the **fabric** *node* **clearcounters interface vfc** *slot/port* command, allow up to eight seconds after sending the command for the counters to clear.

fabric show

fabric <nodes> show <scope>

Description: Show switch information

Syntax:

<nodes>	node list
<scope>	switch command

Command Mode: exec : Exec Mode

Command Path:

```
# fabric <nodes> show <scope>
```

fail-auth-epg

fail-auth-epg tenant <arg> application <arg> epg <arg>

Description: Set default EPg name if authentication fails

Syntax:

tenant	Tenant hosting the EPg
arg	
application	Application Name
arg	
epg	Deploy EPg if authentication fails
arg	

Command Mode: policy-map type port-authentication : Create node level port authentication policy

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type port-authentication <WORD>
(config-pmap-port-authentication)# fail-auth-epg tenant <> application <> epg <>
```

fail-auth-vlan

fail-auth-vlan <vlan-id>

Description: Set default vlan encap if authentication fails

Syntax:

<vlan-id>	Configure Vlan ID

Command Mode: policy-map type port-authentication : Create node level port authentication policy

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type port-authentication <WORD>
(config-pmap-port-authentication)# fail-auth-vlan <vlan-id>
```

fc-channel-group

fc-channel-group <WORD>

Description: Associate a Channel Group to this Interface

Syntax:

WORD	Port-Channel name (Max Size 64)

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# fc-channel-group <WORD>
```

fc-channel-group <WORD>

Description: Associate a Channel Group to this Interface

Syntax:

WORD	Port-Channel name (Max Size 64)

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# fc-channel-group <WORD>
```

fc-policy-group

fc-policy-group <WORD>

Description: Associate an FC Interface Policy Group to this Interface Group

Syntax:

WORD	FC Interface Policy Group Name (Max Size 64)

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# fc-policy-group <WORD>
```

fc-policy-group <WORD>

Description: Convert interface to FC and Associate FC Policy Group

Syntax:

WORD	FC Interface Policy Group Name (Max Size 64)

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# fc-policy-group <WORD>
```

fc-policy-group <WORD>

Description: Convert interface to FC and Associate FC Policy Group

Syntax:

WORD	FC Interface Policy Group Name (Max Size 64)

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# fc-policy-group <WORD>
```

fc

fc

Description: Enable fc BD

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# fc
```

fcoe

fcoe vsan <NUMBER> vlan <NUMBER>

Description: Configure fcoe parameters

Syntax:

vsan	Configure Vsan ID
<vsan-id>	Configure Vsan ID. Number range from=1 to=4093
vlan	Configure Vlan ID
<vlan-id>	Configure Vlan ID. Number range from=1 to=4094

Command Mode: vsan-domain : Configure vsan domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vsan-domain <name>
(config-vsan)# fcoe vsan <NUMBER> vlan <NUMBER>
```

fcoe fcmap <WORD>

Description: Configure fcoe parameters

Syntax:

fcmap	FC Map
WORD	Configure FC Map, range is from 0E:FC:00 to 0E:FC:FF

Command Mode: template fc-fabric-policy : Configure FC Fabric Policy(Max Size 64)

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-fabric-policy <WORD>
(config-fc-fabric-policy)# fcoe fcmap <WORD>
```

fcoe vsan <NUMBER> vlan <NUMBER>

Description: Configure fcoe parameters

Syntax:

vsan	Configure Vsan ID
<vsan-id>	Configure Vsan ID. Number range from=1 to=4093
vlan	Configure Vlan ID

<vlan-id>	Configure Vlan ID. Number range from=1 to=4094

Command Mode: template vsan-attribute : Configure Vsan Attributes(Max Size 64)

Command Path:

```
# configure [['terminal', 't']]
(config)# template vsan-attribute <WORD>
(config-vsan-attr)# fcoe vsan <NUMBER> vlan <NUMBER>
```

fcoe fcmap

fcoe fcmap <WORD>

Description: Configure FC Map

Syntax:

WORD	Configure FC Map, range is from 0E:FC:00 to 0E:FC:FF

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fcoe fcmap <WORD>
```

fcoe fcmap <WORD>

Description: Configure FC Map

Syntax:

WORD	Configure FC Map, range is from 0E:FC:00 to 0E:FC:FF

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fcoe fcmap <WORD>
```

fcoe fka-adv-period

fcoe fka-adv-period <NUMBER>

Description: Configure FIP Keep Alive Interval

Syntax:

| *<interval>* | FIP Keep Alive Timer. Number range from=4 to=60 |

Command Mode: template fc-leaf-policy : Configure FC Leaf Policy(Max Size 64)

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-leaf-policy <WORD>
(config-fc-leaf-policy)# fcoe fka-adv-period <NUMBER>
```

fcoe fka-adv-period <NUMBER>

Description: Configure FIP Keep Alive Interval

Syntax:

| *<interval>* | FIP Keep Alive Timer. Number range from=4 to=60 |

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fcoe fka-adv-period <NUMBER>
```

fcoe fka-adv-period <NUMBER>

Description: Configure FIP Keep Alive Interval

Syntax:

| *<interval>* | FIP Keep Alive Timer. Number range from=4 to=60 |

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fcoe fka-adv-period <NUMBER>
```

fcoe vsan vlan loadbalancing

fcoe vsan <NUMBER> vlan <NUMBER> loadbalancing src-dst-id|src-dst-ox-id

Description: Configure loadbalancing

Syntax:

vsan	Configure Vsan ID
<vsan-id>	Configure Vsan ID. Number range from=1 to=4093
vlan	Configure Vlan ID
<vlan-id>	Configure Vlan ID. Number range from=1 to=4094
src-dst-id	Load balaning based on src-dst-id
src-dst-ox-id	Load balaning based on the src-dst-ox-id

Command Mode: vsan-domain : Configure vsan domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vsan-domain <name>
(config-vsan)# fcoe vsan <NUMBER> vlan <NUMBER> loadbalancing src-dst-id|src-dst-ox-id
```

fcoe vsan <NUMBER> vlan <NUMBER> loadbalancing src-dst-id|src-dst-ox-id

Description: Configure loadbalancing

Syntax:

vsan	Configure Vsan ID
<vsan-id>	Configure Vsan ID. Number range from=1 to=4093
vlan	Configure Vlan ID
<vlan-id>	Configure Vlan ID. Number range from=1 to=4094
src-dst-id	Load balaning based on src-dst-id
src-dst-ox-id	Load balaning based on the src-dst-ox-id

Command Mode: template vsan-attribute : Configure Vsan Attributes(Max Size 64)

Command Path:

```
# configure [['terminal', 't']]
(config)# template vsan-attribute <WORD>
(config-vsan-attr)# fcoe vsan <NUMBER> vlan <NUMBER> loadbalancing src-dst-id|src-dst-ox-id
```

fctimer e-d-tov

fctimer e-d-tov <NUMBER>

Description: Configure e_d_tov value

Syntax:

<interval>	FC Fabric error detect timeout. Number range from=1000 to=4000

Command Mode: template fc-fabric-policy : Configure FC Fabric Policy(Max Size 64)

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-fabric-policy <WORD>
(config-fc-fabric-policy)# fctimer e-d-tov <NUMBER>
```

fctimer e-d-tov <NUMBER>

Description: Configure e_d_tov value

Syntax:

<interval>	FC Fabric error detect timeout. Number range from=1000 to=4000

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fctimer e-d-tov <NUMBER>
```

fctimer e-d-tov <NUMBER>

Description: Configure e_d_tov value

Syntax:

<interval>	FC Fabric error detect timeout. Number range from=1000 to=4000

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fctimer e-d-tov <NUMBER>
```

fctimer r-a-tov

fctimer r-a-tov <NUMBER>

Description: Configure r_a_tov value

Syntax:

<interval>	FC Fabric resolution allocation timeout. Number range from=5000 to=10000

Command Mode: template fc-fabric-policy : Configure FC Fabric Policy(Max Size 64)

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-fabric-policy <WORD>
(config-fc-fabric-policy)# fctimer r-a-tov <NUMBER>
```

fctimer r-a-tov <NUMBER>

Description: Configure r_a_tov value

Syntax:

<interval>	FC Fabric resolution allocation timeout. Number range from=5000 to=10000

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fctimer r-a-tov <NUMBER>
```

fctimer r-a-tov <NUMBER>

Description: Configure r_a_tov value

Syntax:

<interval>	FC Fabric resolution allocation timeout. Number range from=5000 to=10000

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fctimer r-a-tov <NUMBER>
```

feature

feature analytics|netflow

Description: Select Netflow

Syntax:

analytics	Select Analytics
netflow	Select Netflow

Command Mode: node-control : Create a Node Control Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# node-control policy <WORD>
(config-node)# feature analytics|netflow
```

fex-interface-group

fex-interface-group <WORD>

Description: Configure Fex Interface Group

Syntax:

WORD	Fex Interface Group Name (Max Size 64)

Command Mode: fex-profile : Configure Fex Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
```

fex-profile

fex-profile <WORD>

Description: Configure Fex Profile

Syntax:

WORD	Fex Profile Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
```

fex

fex associate <NUMBER> template <WORD>

Description: Configure Fex on the Interface

Syntax:

associate	Associate the port to a FEX
NUMBER	Fex Number. Number range from=101 to=199
template	Associate a template
WORD	Fex Template Name (Max Size 64)

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# fex associate <NUMBER> template <WORD>
```

fex associate <arg>

Description: Configure Fex on the Interface

Syntax:

associate	Associate the port to a FEX
arg	Fex Number. Number range from=101 to=199

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# fex associate <>
```

fex associate <arg>

Description: Configure Fex on the Interface

Syntax:

associate	Associate the port to a FEX
arg	Fex Number. Number range from=101 to=199

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# fex associate <>
```

file

file <FILENAME>

Description: Snapshot file name

Syntax:

FILENAME	Snapshot file name

Command Mode: snapshot download : Configuration snapshot download setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot download <WORD>
(config-download)# file <FILENAME>
```

file <FILENAME>

Description: Snapshot file name

Syntax:

FILENAME	Snapshot file name

Command Mode: snapshot import : Configuration import setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot import <WORD>
(config-import)# file <FILENAME>
```

file <FILENAME>

Description: Snapshot file name

Syntax:

FILENAME	Snapshot file name

Command Mode: snapshot upload : Configuration snapshot upload setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot upload <WORD>
(config-upload)# file <FILENAME>
```

filter-group

filter-group <WORD>

Description: Associate a filter group to the session

Syntax:

WORD	Filter group name (Max Size 64)

Command Mode: monitor access session : Configue monitor session for access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# filter-group <WORD>
```

filter-group <WORD>

Description: Associate a filter group to the source

Syntax:

WORD	Filter group name (Max Size 64)

Command Mode: source interface ethernet : Configure monitor for ethernet access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface ethernet <ethernet> leaf <leaf Id>
(config-monitor-access-source)# filter-group <WORD>
```

filter-group <WORD>

Description: Associate a filter group to the source

Syntax:

WORD	Filter group name (Max Size 64)

Command Mode: source interface port-channel : Configure monitor for port-channel interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface port-channel <port-channel list> leaf <leaf Id>
[fex <fex Id>]
(config-monitor-access-source)# filter-group <WORD>
```

filter-group <WORD>

Description: Associate a filter group to the source

Syntax:

WORD	Filter group name (Max Size 64)

Command Mode: source interface vpc : Configure monitor for VPC interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface vpc <vpc list> leaf <leaf Id1> <leaf Id2> [fex
<fex Ids>]
(config-monitor-access-source)# filter-group <WORD>
```

filter

filter <WORD>

Description: Set the LDAP filter to be used in a user search

Syntax:

<WORD>	filter used in user search (Max Size 63)

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# filter <WORD>
```

filter [ipproto <WORD>] [srcaddr <srcAddr>] [dstaddr <dstAddr>] [srcportfrom <WORD>] [srcportto <WORD>] [dstportfrom <WORD>] [dstportto <NUMBER>]

Description: Configue filter entry

Syntax:

WORD	(Optional) IP protocol name or value
srcAddr	(Optional) Source IP prefix
dstAddr	(Optional) Destination IP prefix
WORD	(Optional) Starting L4 source port
WORD	(Optional) Ending L4 source port
WORD	(Optional) Starting L4 destination port
NUMBER	(Optional) Ending L4 destination port

Command Mode: monitor access filter-group : Configue filter groups

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access filter-group <WORD>
(config-monitor-access-filtergrp)# filter [ipproto <WORD>] [srcaddr <srcAddr>] [dstaddr
<dstAddr>] [srcportfrom <WORD>] [srcportto <WORD>] [dstportfrom <WORD>] [dstportto <NUMBER>]
```

filter tenant application

filter tenant <tenant_name> application <application_name> epg <epg_name>

Description: application

Syntax:

tenant	tenant
tenant_name	tenant name (Max Size 63)
application_name	application name (Max Size 64)
epg	epg
epg_name	epg name (Max Size 64)

Command Mode: source interface ethernet : Configure monitor for ethernet access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface ethernet <ethernet> leaf <leaf Id>
(config-monitor-access-source)# filter tenant <tenant_name> application <application_name>
 epg <epg_name>
```

filter tenant <tenant_name> application <application_name> epg <epg_name>

Description: application

Syntax:

tenant	tenant
tenant_name	tenant name (Max Size 63)
application_name	application name (Max Size 64)
epg	epg
epg_name	epg name (Max Size 64)

Command Mode: source interface port-channel : Configure monitor for port-channel interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface port-channel <port-channel list> leaf <leaf Id>
[fex <fex Id>]
(config-monitor-access-source)# filter tenant <tenant_name> application <application_name>
 epg <epg_name>
```

filter tenant <tenant_name> application <application_name> epg <epg_name>

Description: application

Syntax:

tenant	tenant
tenant_name	tenant name (Max Size 63)
application_name	application name (Max Size 64)
epg	epg
epg_name	epg name (Max Size 64)

Command Mode: source interface vpc : Configure monitor for VPC interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface vpc <vpc list> leaf <leaf Id1> <leaf Id2> [fex
<fex Ids>]
(config-monitor-access-source)# filter tenant <tenant_name> application <application_name>
 epg <epg_name>
```

filter tenant bd

filter tenant <tenant_name> bd <bd_name>

Description: BD filter

Syntax:

tenant	tenant
tenant_name	tenant name
bd_name	BD name

Command Mode: source interface ethernet : Configure monitor for ethernet fabric interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# source interface ethernet <ethernet> switch <switch Id>
(config-monitor-fabric-source)# filter tenant <tenant_name> bd <bd_name>
```

filter tenant l3out

filter tenant <tenant_name> l3out <L3Out name> vlan <Vlan of the interface>

Description: L3Out

Syntax:

tenant	tenant
tenant_name	tenant name (Max Size 63)
L3Out name	L3Out name (Max Size 64)
vlan	Vlan of the interface
Vlan of the interface	Vlan of the interface. Number range from=0 to=4094

Command Mode: source interface ethernet : Configure monitor for ethernet access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface ethernet <ethernet> leaf <leaf Id>
(config-monitor-access-source)# filter tenant <tenant_name> l3out <L3Out name> vlan <Vlan
of the interface>
```

filter tenant <tenant_name> l3out <L3Out name> vlan <Vlan of the interface>

Description: L3Out

Syntax:

tenant	tenant
tenant_name	tenant name (Max Size 63)
L3Out name	L3Out name (Max Size 64)
vlan	Vlan of the interface
Vlan of the interface	Vlan of the interface. Number range from=0 to=4094

Command Mode: source interface port-channel : Configure monitor for port-channel interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface port-channel <port-channel list> leaf <leaf Id>
[fex <fex Id>]
(config-monitor-access-source)# filter tenant <tenant_name> l3out <L3Out name> vlan <Vlan
of the interface>
```

filter tenant <tenant_name> l3out <L3Out name> vlan <Vlan of the interface>

Description: L3Out

Syntax:

tenant	tenant
tenant_name	tenant name (Max Size 63)
L3Out name	L3Out name (Max Size 64)
vlan	Vlan of the interface
Vlan of the interface	Vlan of the interface. Number range from=0 to=4094

Command Mode: source interface vpc : Configure monitor for VPC interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface vpc <vpc list> leaf <leaf Id1> <leaf Id2> [fex
<fex Ids>]
(config-monitor-access-source)# filter tenant <tenant_name> l3out <L3Out name> vlan <Vlan
of the interface>
```

filter tenant vrf

filter tenant <tenant_name> vrf <vrf_name>

Description: VRF filter

Syntax:

tenant	tenant
tenant_name	tenant name
vrf_name	vrf name

Command Mode: source interface ethernet : Configure monitor for ethernet fabric interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# source interface ethernet <ethernet> switch <switch Id>
(config-monitor-fabric-source)# filter tenant <tenant_name> vrf <vrf_name>
```

fips mode

fips mode enable

Description: Enable FIPS mode

Syntax:

enable	Enable FIPS mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# fips mode enable
```

firewall-logging

firewall-logging server-group <WORD> [severity severity <severity-info>] [polling-interval <polling-interval>] [action-type <action-type>]

Description: Configure firewall-logging on AVS/AVE

Syntax:

server-group	Specify server group name
WORD	Logging server-group name (Max Size 64)
severity <severity-info>	(Optional) Specify severity info
polling-interval	(Optional) Specify polling interval time in seconds. Number range from=60 to=86400
action-type	(Optional) Specify action type

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# firewall-logging server-group <WORD> [severity severity <severity-info>]
 [polling-interval <polling-interval>] [action-type <action-type>]
```

firewall-logging server-group <WORD> [severity severity <severity-info>] [polling-interval <polling-interval>] [action-type <action-type>]

Description: Configure firewall-logging on AVS/AVE

Syntax:

server-group	Specify server group name
WORD	Logging server-group name (Max Size 64)
severity <severity-info>	(Optional) Specify severity info
polling-interval	(Optional) Specify polling interval time in seconds. Number range from=60 to=86400
action-type	(Optional) Specify action type

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# firewall-logging server-group <WORD> [severity severity <severity-info>]
 [polling-interval <polling-interval>] [action-type <action-type>]
```

firewall

firewall mode enabled|disabled|learning

Description: Configure firewall mode on AVS/AVE

Syntax:

mode	firewall mode
enabled	Enabled mode
disabled	Disabled mode
learning	Learning mode

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# firewall mode enabled|disabled|learning
```

firewall mode enabled|disabled|learning

Description: Configure firewall mode on AVS/AVE

Syntax:

mode	firewall mode
enabled	Enabled mode
disabled	Disabled mode
learning	Learning mode

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# firewall mode enabled|disabled|learning
```

firmware-version

firmware-version <version>

Description: Set target firmware version

Syntax:

<version>	firmware version

Command Mode: controller-group : Controller Upgrade Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# controller-group
(config-firmware-controller)# firmware-version <version>
```

firmware-version <version>

Description: Set target firmware version

Syntax:

<version>	firmware version

Command Mode: switch-group : Create switch firmware upgrade policy

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# firmware-version <version>
```

firmware

firmware

Description: Firmware upgrade configuration Mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
```

firmware repository add

firmware repository add <WORD>

Description: Add firmware image to repository

Syntax:

| WORD | Firmware image filename(absolute path) |

Command Mode: exec : Exec Mode

Command Path:

```
# firmware repository add <WORD>
```

firmware repository delete

firmware repository delete <WORD>

Description: Remove firmware image from repository

Syntax:

WORD	Firmware image name

Command Mode: exec : Exec Mode

Command Path:

```
# firmware repository delete <WORD>
```

firmware upgrade controller-group

firmware upgrade controller-group [['ignore-validation']]

Description: Trigger controller-group upgrade

Syntax:

ignore-validation	(Optional) ignore Validation checks

Command Mode: exec : Exec Mode

Command Path:

```
# firmware upgrade controller-group [['ignore-validation']]
```

firmware upgrade switch-group

firmware upgrade switch-group <WORD>

Description: Trigger switch-group upgrade

Syntax:

WORD	switch-group name (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# firmware upgrade switch-group <WORD>
```

first-file

first-file <FILENAME>

Description: First snapshot file name

Syntax:

FILENAME	First snapshot file name

Command Mode: snapshot rollback : Configuration rollback setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot rollback <WORD>
(config-rollback)# first-file <FILENAME>
```

first-hop-security

first-hop-security

Description: Configuration for first hop security

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
```

first-hop-security security-policy

first-hop-security security-policy <WORD>

Description: Associate the bridge domain with a first hop security policy

Syntax:

WORD	first hop security policy name to be associated (Max Size 64)

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# first-hop-security security-policy <WORD>
```

first-hop-security trust-control

first-hop-security trust-control <WORD>

Description: Bind the EPG to a trust control policy

Syntax:

WORD	trust control to associate (Max Size 64)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# first-hop-security trust-control <WORD>
```

first-name

first-name <WORD>

Description: Set the first name of the locally-authenticated user.

Syntax:

WORD	first name (Max Size 32)

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# first-name <WORD>
```

flash-config

flash-config <arg>

Description: Add SSD Flash config policy

Syntax:

arg	

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# flash-config <>
```

flash-config <WORD>

Description: Configure SSD Flash Config policy

Syntax:

WORD	Provide a SSD Flash Config policy name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# flash-config <WORD>
```

flood-in-encapsulation

flood-in-encapsulation

Description: Flood in encapsulation for EPG

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# flood-in-encapsulation
```

flow-exporter

flow-exporter <WORD>

Description: Configure external analytics reachability information

Syntax:

WORD	Analytics config server name

Command Mode: analytics : Configure external analytics reachability information

Command Path:

```
# configure [['terminal', 't']]
(config)# analytics cluster <WORD>
(config-analytics)# flow-exporter <WORD>
```

flow direction

flow direction ingress|egress|both

Description: Configure Netflow Direction (Valid only for AVS domain)

Syntax:

ingress	Ingress Direction
egress	Egress Direction
both	Bidirectional

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# flow direction ingress|egress|both
```

flow exporter

flow exporter <WORD>

Description: Configure NetFlow Exporter Policy

Syntax:

WORD	VMM Exporter Policy Name

Command Mode: configure-dvs : Configure a VMWare Domain as DVS type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-dvs
(config-vmware-dvs)# flow exporter <WORD>
```

flow exporter <WORD>

Description: Configure NetFlow Exporter Policy

Syntax:

WORD	VMM Exporter Policy Name

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# flow exporter <WORD>
```

flow exporter <WORD>

Description: Configure NetFlow Exporter Policy

Syntax:

WORD	VMM Exporter Policy Name

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
```

```
(config-vmware-ave)# flow exporter <WORD>
```

flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp <dstPort>

Description: Configure Netflow Exporter

Syntax:

WORD	Exporter Name (Max Size 64)
destination	Configure destination address
address	Configure destination address
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
transport	Configure Transport Port
udp	Configure Transport Port
dstPort	Configure Transport Port

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
```

flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp <dstPort>

Description: Configure Netflow Exporter

Syntax:

WORD	Exporter Name (Max Size 64)
destination	Configure destination address
address	Configure destination address
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
transport	Configure Transport Port
udp	Configure Transport Port
dstPort	Configure Transport Port

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
```

flow monitor

flow monitor enable

Description: Configure Netflow Monitor

Syntax:

enable	Enable Netflow Monitor

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# flow monitor enable
```

flow monitor <WORD>

Description: Configure Netflow Monitor

Syntax:

WORD	Monitor Name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow monitor <WORD>
```

flow monitor <WORD>

Description: Configure Netflow Monitor

Syntax:

WORD	Monitor Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
```

flow monitor

```
(config)# flow monitor <WORD>
```

flow node-policy

flow node-policy <WORD>

Description: Netflow Node Policy Configuration

Syntax:

WORD	Netflow Node Policy Name (Max Size 64)

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# flow node-policy <WORD>
```

flow node-policy <WORD>

Description: Node-policy name

Syntax:

WORD	Netflow Node Policy Name (Max Size 64)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# flow node-policy <WORD>
```

flow node-policy <WORD>

Description: Node-policy name

Syntax:

WORD	Netflow Node Policy Name (Max Size 64)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# flow node-policy <WORD>
```

flow node-policy <WORD>

Description: Configure Netflow Node Policy Parameters

Syntax:

WORD	Netflow Node Policy Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# flow node-policy <WORD>
```

flow record

flow record <WORD>

Description: Configure Netflow Record

Syntax:

WORD	Record Name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow record <WORD>
```

flow record <WORD>

Description: Configure Netflow Record

Syntax:

WORD	Exporter Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# flow record <WORD>
```

flow timeout collection

flow timeout collection <arg>

Description: Collection time interval

Syntax:

arg	Configure collection timeout value in seconds. Number range from=60 to=36000

Command Mode: flow node-policy : Configure Netflow Node Policy Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# flow node-policy <WORD>
(config-flow-node-pol)# flow timeout collection <>
```

flow timeout template

flow timeout template <arg>

Description: Template time interval

Syntax:

arg	Configure template timeout value in seconds. Number range from=60 to=64000

Command Mode: flow node-policy : Configure Netflow Node Policy Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# flow node-policy <WORD>
(config-flow-node-pol)# flow timeout template <>
```

flow vm-exporter

flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp <dstPort>

Description: Configure NetFlow Exporter for VM Networking

Syntax:

WORD	NetFlow Exporter Name (Max Size 64)
destination	Configure destination address
address	Configure destination address
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
transport	Configure Transport Port
udp	Configure Transport Port
dstPort	Configure Transport Port

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
```

force-pwd-change

force-pwd-change

Description: Force the user to change password in next login

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# force-pwd-change
```

forged-transmits

forged-transmits accept

Description: Enable/disable forged transmits on trunk

Syntax:

accept	enable

Command Mode: trunk-portgroup : Configure a trunk port group in the VMWare domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# trunk-portgroup <>
(config-vmware-trunk)# forged-transmits accept
```

format

format xml|short-txt|aml

Description: Configure the format of the message

Syntax:

xml	Xml
short-txt	Short-txt
aml	Aml

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# format xml|short-txt|aml
```

format xml|short-txt|aml

Description: Configure the format of the message

Syntax:

xml	Xml
short-txt	Short-txt
aml	Aml

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# format xml|short-txt|aml
```

format xml|json

Description: Snapshot format: xml or json

Syntax:

xml	XML format

json	JSON format

Command Mode: snapshot export : Configuration export setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot export <WORD>
(config-export)# format xml|json
```

forward-error-correction

forward-error-correction <WORD>

Description: Forward Error Correction

Syntax:

WORD	Forward Error Correction Mode

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# forward-error-correction <WORD>
```

forward-error-correction <WORD>

Description: Forward Error Correction

Syntax:

WORD	Forward Error Correction Mode

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# forward-error-correction <WORD>
```

forward-error-correction <WORD>

Description: Forward Error Correction

Syntax:

WORD	Forward Error Correction Mode

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# forward-error-correction <WORD>
```

function-profile

function-profile <WORD>

Description: Configure function profile container

Syntax:

WORD	Provide a container name for function profiles

Command Mode: l4l7 resource-pool : Configure L4-L7 Service Resource Pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# function-profile <WORD>
```

fwdnonecn

fwdnonecn enabled|disabled

Description: Set forwarding for Non ECN (Explicit congestion notification for WRED

Syntax:

enabled	Enable non ECN forwarding
disabled	Disable non ECN forwarding

Command Mode: algo : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# algo wred|tail-drop
(config-qos-algo)# fwdnonecn enabled|disabled
```

G Commands

gbb

gbb <4-15>

Description: Set gbb for ssd flash config

Syntax:

<4-15>	gbb

Command Mode: flash-config : Configure SSD Flash Config policy

Command Path:

```
# configure [['terminal', 't']]
(config)# flash-config <WORD>
(config-flash-config)# gbb <4-15>
```

global-name

global-name <WORD>

Description: Set private network global name

Syntax:

WORD	Private network global name (Max Size 64)

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# global-name <WORD>
```

global-throttle-rate

global-throttle-rate <NUMBER>

Description: Set Global throttling rate for HTTP Requests

Syntax:

<1-10000>	Set the global throttle rate for HTTP requests. Number range from=1 to=10000

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# global-throttle-rate <NUMBER>
```

global-throttle-rate <NUMBER>

Description: Set Global throttling rate for HTTPS Requests

Syntax:

<1-10000>	Set the global throttle rate for HTTPS requests. Number range from=1 to=10000

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# global-throttle-rate <NUMBER>
```

global-throttle-unit

global-throttle-unit <arg>

Description: Set Global throttling unit for HTTP Requests

Syntax:

arg	Global Throttle Unit for HTTP

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# global-throttle-unit <>
```

global-throttle-unit <arg>

Description: Set Global throttling unit for HTTPS Requests

Syntax:

arg	Global Throttle Unit for HTTPS

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# global-throttle-unit <>
```

global-throttle

global-throttle

Description: Enable Global throttling for HTTP Requests

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# global-throttle
```

global-throttle

Description: Enable Global throttling for HTTPS Requests

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# global-throttle
```

graceful-restart-helper

graceful-restart-helper

Description: Configure BGP Policy Graceful Restart Helper

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# graceful-restart-helper
```

graceful-restart-helper

Description: Configure BGP Policy Graceful Restart Helper

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# graceful-restart-helper
```

graceful-restart

graceful-restart helper-disable

Description: Disable OSPF Policy Graceful Restart Helper

Syntax:

helper-disable	disable Restart helper

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# graceful-restart helper-disable
```

graceful-restart stalepath-time <NUMBER>

Description: Set BGP Policy Graceful Restart Timers

Syntax:

stalepath-time	Maximum time that BGP keeps stale routes from the restarting BGP peer
<1-3600>	Timer Value in Seconds. Number range from=1 to=3600

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# graceful-restart stalepath-time <NUMBER>
```

graceful-restart helper-disable

Description: Disable OSPF Policy Graceful Restart Helper

Syntax:

helper-disable	disable Restart helper

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
```

```
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# graceful-restart helper-disable
```

graceful-restart stalepath-time <NUMBER>

Description: Set BGP Policy Graceful Restart Timers

Syntax:

stalepath-time	Maximum time that BGP keeps stale routes from the restarting BGP peer
<1-3600>	Timer Value in Seconds. Number range from=1 to=3600

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# graceful-restart stalepath-time <NUMBER>
```

group-map-rule

group-map-rule <WORD>

Description: Add LDAP group map rule to LDAP group map

Syntax:

WORD	LDAP group map rule name

Command Mode: ldap-group-map : LDAP server group map name.

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-group-map <WORD>
(config-ldap-group-map)# group-map-rule <WORD>
```

group

group <WORD>

Description: Specify server groups

Syntax:

<WORD>	Server group name (Max Size 127)

Command Mode: aaa authentication login console : Configure console methods

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login console
(config-console)# group <WORD>
```

group <WORD>

Description: Specify server groups

Syntax:

<WORD>	Server group name (Max Size 127)

Command Mode: aaa authentication login default : Configure default methods

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login default
(config-default)# group <WORD>
```

group <WORD>

Description: Set provider group for login domain

Syntax:

<WORD>	Server group name (Max Size 127)

Command Mode: aaa authentication login domain : Configure domain methods

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login domain <WORD>
(config-domain)# group <WORD>
```

groupdn

groupdn <WORD>

Description: The LDAP group DN for user lookup in the LDAP directory tree

Syntax:

<WORD>	user lookup in LDAP directory tree (Max Size 127)

Command Mode: ldap-group-map-rule : LDAP group map rule name.

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-group-map-rule <WORD>
(config-ldap-group-map-rule)# groupdn <WORD>
```

H Commands

hello-interval

hello-interval <NUMBER>

Description: Hello interval

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# hello-interval <NUMBER>
```

hello-interval <NUMBER>

Description: Hello interval

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# hello-interval <NUMBER>
```

host-mode

host-mode <arg>

Description: Set host mode

Syntax:

arg	Host mode

Command Mode: switchport port-authentication : Port authentication configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
(config-port-authentication)# host-mode <>
```

host-rt-leak

host-rt-leak enable

Description: Configure BGP Host Type2 Routes

Syntax:

enable	Enabling the host routes type 2 Policy

Command Mode: template bgp address-family : Configure Router BGP Address Family Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp address-family <WORD> tenant <WORD>
(config-bgp-af)# host-rt-leak enable
```

host-rt-leak enable

Description: Configure BGP Host Type2 Routes

Syntax:

enable	Enabling the host routes type 2 Policy

Command Mode: template bgp address-family : Configure Router BGP Address Family Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp address-family <WORD> tenant <WORD>
(config-bgp-af)# host-rt-leak enable
```

hsrp delay

hsrp delay minimum|reload <NUMBER>

Description: HSRP initialization delay

Syntax:

minimum	Minimum delay
reload	Delay after reload
<0-10000>	Delay in seconds. Number range from=0 to=10000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp delay minimum|reload <NUMBER>
```

hsrp delay minimum|reload <NUMBER>

Description: HSRP initialization delay

Syntax:

minimum	Minimum delay
reload	Delay after reload
<0-10000>	Delay in seconds. Number range from=0 to=10000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp delay minimum|reload <NUMBER>
```

hsrp delay minimum|reload <NUMBER>

Description: HSRP initialization delay

Syntax:

minimum	Minimum delay
reload	Delay after reload

<0-10000>	Delay in seconds. Number range from=0 to=10000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp delay minimum|reload <NUMBER>
```

hsrp delay minimum|reload <NUMBER>

Description: HSRP initialization delay

Syntax:

minimum	Minimum delay
reload	Delay after reload
<0-10000>	Delay in seconds. Number range from=0 to=10000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp delay minimum|reload <NUMBER>
```

hsrp enable-bfd

hsrp enable-bfd

Description: Enable Bidirectional Forwarding Detection(BFD) protocol

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp enable-bfd
```

hsrp enable-bfd

Description: Enable Bidirectional Forwarding Detection(BFD) protocol

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp enable-bfd
```

hsrp enable-bfd

Description: Enable Bidirectional Forwarding Detection(BFD) protocol

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp enable-bfd
```

hsrp enable-bfd

Description: Enable Bidirectional Forwarding Detection(BFD) protocol

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp enable-bfd
```

hsrp group

hsrp group <NUMBER> [['ipv4', 'ipv6']]

Description: Configure HSRP Group

Syntax:

<0-4095>	Group number(0-255 for v1, 0-4095 for v2). Number range from=0 to=4095
ipv4	(Optional) Configure IP Version 4 group
ipv6	(Optional) Configure IP Version 6 group

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
```

hsrp group <NUMBER> [['ipv4', 'ipv6']]

Description: Configure HSRP Group

Syntax:

<0-4095>	Group number(0-255 for v1, 0-4095 for v2). Number range from=0 to=4095
ipv4	(Optional) Configure IP Version 4 group
ipv6	(Optional) Configure IP Version 6 group

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
```

hsrp group <NUMBER> [['ipv4', 'ipv6']]

Description: Configure HSRP Group

Syntax:

<0-4095>	Group number(0-255 for v1, 0-4095 for v2). Number range from=0 to=4095
ipv4	(Optional) Configure IP Version 4 group
ipv6	(Optional) Configure IP Version 6 group

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
```

hsrp group <NUMBER> [['ipv4', 'ipv6']]

Description: Configure HSRP Group

Syntax:

<0-4095>	Group number(0-255 for v1, 0-4095 for v2). Number range from=0 to=4095
ipv4	(Optional) Configure IP Version 4 group
ipv6	(Optional) Configure IP Version 6 group

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
```

hsrp use-bia

hsrp use-bia

Description: HSRP uses interfaces burned in address

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp use-bia
```

hsrp use-bia

Description: HSRP uses interfaces burned in address

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp use-bia
```

hsrp use-bia

Description: HSRP uses interfaces burned in address

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp use-bia
```

hsrp use-bia

Description: HSRP uses interfaces burned in address

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp use-bia
```

hsrp version

hsrp version 1|2

Description: Configure Hsrp Version

Syntax:

1	Version 1
2	Version 2

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp version 1|2
```

hsrp version 1|2

Description: Configure Hsrp Version

Syntax:

1	Version 1
2	Version 2

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp version 1|2
```

hsrp version 1|2

Description: Configure Hsrp Version

Syntax:

1	Version 1
2	Version 2

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp version 1|2
```

hsrp version 1|2

Description: Configure Hsrp Version

Syntax:

1	Version 1
2	Version 2

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp version 1|2
```

http

http

Description: HTTP communication policy group

Command Mode: comm-policy : Configure any communication policy, ssh/telnet/shellinabox/http/https

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
```

https

https

Description: HTTPS communication policy group

Command Mode: comm-policy : Configure any communication policy, ssh/telnet/shellinabox/http/https

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
```

I Commands

idle-flow-timeout

idle-flow-timeout <idleFlowTimeout>

Description: Configure Idle Flow TimeOut

Syntax:

idleFlowTimeout	Configure Idle Flow TimeOut. Number range from=10 to=600

Command Mode: flow exporter : Configure NetFlow Exporter Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-dvs
(config-vmware-dvs)# flow exporter <WORD>
(config-vmware-dvs-flow-exporter)# idle-flow-timeout <idleFlowTimeout>
```

idle-flow-timeout <idleFlowTimeout>

Description: Configure Idle Flow TimeOut

Syntax:

idleFlowTimeout	Configure Idle Flow TimeOut. Number range from=10 to=600

Command Mode: flow exporter : Configure NetFlow Exporter Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# flow exporter <WORD>
(config-None)# idle-flow-timeout <idleFlowTimeout>
```

idle-flow-timeout <idleFlowTimeout>

Description: Configure Idle Flow TimeOut

Syntax:

idleFlowTimeout	Configure Idle Flow TimeOut. Number range from=10 to=600

Command Mode: flow exporter : Configure NetFlow Exporter Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
```

```
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# flow exporter <WORD>
(config-None)# idle-flow-timeout <idleFlowTimeout>
```

immediacy-immediate

immediacy-immediate enable

Description: Enable/disable immediate immediacy on trunk

Syntax:

enable	enable

Command Mode: trunk-portgroup : Configure a trunk port group in the VMWare domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# trunk-portgroup <>
(config-vmware-trunk)# immediacy-immediate enable
```

import-config

import-config <WORD>

Description: Import Configuration

Syntax:

WORD	Filename(absolute path)

Command Mode: exec : Exec Mode

Command Path:

```
# import-config <WORD>
```

inactivity-timer

inactivity-timer <arg>

Description: Inactivity Timer for TWAMP Server

Syntax:

arg	Configure Inactivity Timer for TWAMP Server. Number range from=1 to=65535

Command Mode: template twamp server-policy : Configure twamp server policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template twamp server-policy <WORD>
(config-twamp-server-policy)# inactivity-timer <>
```

inband-mgmt

inband-mgmt epg <WORD>

Description: Enter Inside In-band management mode to modify inband properties or create new inband

Syntax:

epg	inband mgmt epg label, usage inband-mgmt epg
WORD	epg name for inband epg, it can be existing inband epg or new one

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inband-mgmt epg <WORD>
```

inband-mgmt epg

inband-mgmt epg <WORD>

Description: Associate node to a Inband EPG

Syntax:

WORD	Inband End Point Group Name (Max Size 64)

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# inband-mgmt epg <WORD>
```

inband-mgmt epg <WORD>

Description: Associate node to a Inband EPG

Syntax:

WORD	Inband End Point Group Name (Max Size 64)

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
(config-switch-if)# inband-mgmt epg <WORD>
```

inherit-from-epg

inherit-from-epg application <WORD> epg <WORD>

Description: EPG settings inheritance

Syntax:

application	Application for the EPG where to inherit settings
WORD	Application for the EPG where to inherit settings (Max Size 64)
epg	EPG where to inherit settings
WORD	EPG where to inherit settings (Max Size 64)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# inherit-from-epg application <WORD> epg <WORD>
```

inherit-from-epg epg <WORD>

Description: EPG settings inheritance

Syntax:

epg	EPG where to inherit settings
WORD	EPG where to inherit settings (Max Size 64)

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# inherit-from-epg epg <WORD>
```

inherit-from-epg epg <WORD>

Description: EPG settings inheritance

Syntax:

epg	EPG where to inherit settings
WORD	EPG where to inherit settings (Max Size 64)

Command Mode: external-l2 : L2 external EPG creation/configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l2 epg <WORD>
(config-tenant-l2ext-epg)# inherit-from-epg epg <WORD>
```

inherit

inherit route-profile <WORD> <WORD>

Description: Inherit a policy template

Syntax:

route-profile	Configure route-profile
WORD	Route profile name
WORD	route control context name

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# inherit route-profile <WORD> <WORD>
```

inherit route-profile <WORD> <WORD>

Description: Inherit a policy template

Syntax:

route-profile	Configure route-profile
WORD	Route profile name
WORD	route control context name

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# inherit route-profile <WORD> <WORD>
```

inherit route-profile <WORD> <WORD>

Description: Inherit a policy template

Syntax:

route-profile	Configure route-profile
WORD	Route profile name
WORD	route control context name

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

inherit route-profile <WORD> <WORD>

Description: Inherit a policy template

Syntax:

route-profile	Configure route-profile
WORD	Route profile name
WORD	route control context name

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

inherit route-profile <WORD> <WORD>

Description: Inherit a policy template

Syntax:

route-profile	Configure route-profile
WORD	Route profile name
WORD	route control context name

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

inherit route tag <WORD>

Description: Inherit a policy template

Syntax:

route	Policy template for routes
tag	Route tag policy template
WORD	Policy template name (Max Size 64)

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# inherit route tag <WORD>
```

inherit group-policy <WORD>

Description: Inherit HSRP Group template policy

Syntax:

group-policy	Associate the Group with an HSRP Group policy
WORD	Policy name

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# inherit group-policy <WORD>
```

inherit group-policy <WORD>

Description: Inherit HSRP Group template policy

Syntax:

group-policy	Associate the Group with an HSRP Group policy

WORD	Policy name

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# inherit group-policy <WORD>
```

inherit eigrp vrf-policy <WORD>

Description: Inherit EIGRP VRF Policy under this VRF

Syntax:

eigrp	Inherit EIGRP VRF Policy
vrf-policy	Inherit EIGRP VRF Policy
WORD	Policy name

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# inherit eigrp vrf-policy <WORD>
```

inherit route-profile <WORD> <WORD>

Description: Inherit a policy template

Syntax:

route-profile	Configure route-profile
WORD	Route profile name
WORD	route control context name

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
```

```
(config-leaf-template-route-profile)# inherit route-profile <WORD> <WORD>
```

inherit route-profile <WORD> <WORD>

Description: Inherit a policy template

Syntax:

route-profile	Configure route-profile
WORD	Route profile name
WORD	route control context name

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# inherit route-profile <WORD> <WORD>
```

inherit route-profile <WORD> <WORD>

Description: Inherit a policy template

Syntax:

route-profile	Configure route-profile
WORD	Route profile name
WORD	route control context name

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

inherit route-profile <WORD> <WORD>

Description: Inherit a policy template

Syntax:

route-profile	Configure route-profile

| *WORD* | Route profile name |
| *WORD* | route control context name |

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

inherit route-profile <WORD> <WORD>

Description: Inherit a policy template

Syntax:

route-profile	Configure route-profile
WORD	Route profile name
WORD	route control context name

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

inherit route tag <WORD>

Description: Inherit a policy template

Syntax:

route	Policy template for routes
tag	Route tag policy template
WORD	Policy template name (Max Size 64)

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
```

```
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# inherit route tag <WORD>
```

inherit group-policy <WORD>

Description: Inherit HSRP Group template policy

Syntax:

group-policy	Associate the Group with an HSRP Group policy
WORD	Policy name

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# inherit group-policy <WORD>
```

inherit group-policy <WORD>

Description: Inherit HSRP Group template policy

Syntax:

group-policy	Associate the Group with an HSRP Group policy
WORD	Policy name

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# inherit group-policy <WORD>
```

inherit eigrp vrf-policy <WORD>

Description: Inherit EIGRP VRF Policy under this VRF

Syntax:

eigrp	Inherit EIGRP VRF Policy
vrf-policy	Inherit EIGRP VRF Policy
WORD	Policy name

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# inherit eigrp vrf-policy <WORD>
```

inherit analytics-policy

inherit analytics-policy cluster <WORD> server <WORD>

Description: Associate an analytics policy

Syntax:

cluster	Analyics Cluster
WORD	Name of analytics cluster
server	Analyics Server
WORD	Name of analytics policy

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit analytics-policy cluster <WORD> server <WORD>
```

inherit analytics-policy cluster <WORD> server <WORD>

Description: Associate an analytics policy

Syntax:

cluster	Analyics Cluster
WORD	Name of analytics cluster
server	Analyics Server
WORD	Name of analytics policy

Command Mode: template spine-policy-group : Configure Spine Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template spine-policy-group <WORD>
(config-spine-policy-group)# inherit analytics-policy cluster <WORD> server <WORD>
```

inherit bfd

inherit bfd ip|ipv6 <WORD>

Description: BFD Policy

Syntax:

ip	IPv4 Address
ipv6	IPv6 Address
WORD	BFD Policy

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit bfd ip|ipv6 <WORD>
```

inherit bfd ip|ipv6 <WORD>

Description: BFD Policy

Syntax:

ip	IPv4 Address
ipv6	IPv6 Address
WORD	BFD Policy

Command Mode: template spine-policy-group : Configure Spine Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-policy-group <WORD>
(config-spine-policy-group)# inherit bfd ip|ipv6 <WORD>
```

inherit bgp

inherit bgp timer <WORD>

Description: Inherit VRF specific BGP Timer Policy

Syntax:

timer	Inherit BGP Timer Policy
WORD	BGP Template Policy Name (Max Size 64)

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# inherit bgp timer <WORD>
```

inherit bgp timer <WORD>

Description: Inherit VRF specific BGP Timer Policy

Syntax:

timer	Inherit BGP Timer Policy
WORD	BGP Template Policy Name (Max Size 64)

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# inherit bgp timer <WORD>
```

inherit bgp address-family

inherit bgp address-family <WORD>

Description: Inherit BGP Address Family Policy

Syntax:

WORD	BGP Address Family Policy Name (Max Size 64)

Command Mode: address-family : Configure an address-family

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# address-family ipv4|ipv6 unicast
(config-leaf-bgp-vrf-af)# inherit bgp address-family <WORD>
```

inherit bgp address-family <WORD>

Description: Inherit BGP Address Family Policy

Syntax:

WORD	BGP Address Family Policy Name (Max Size 64)

Command Mode: address-family : Configure an address-family

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# address-family ipv4|ipv6 unicast
(config-leaf-bgp-vrf-af)# inherit bgp address-family <WORD>
```

inherit bgp dampening

inherit bgp dampening <WORD>

Description: Inherit Route Profile with BGP Dampening Policy

Syntax:

WORD	Route Profile with BGP Dampening Policy Name (Max Size 64)

Command Mode: address-family : Configure an address-family

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# address-family ipv4|ipv6 unicast
(config-leaf-bgp-vrf-af)# inherit bgp dampening <WORD>
```

inherit bgp dampening <WORD>

Description: Inherit Route Profile with BGP Dampening Policy

Syntax:

WORD	Route Profile with BGP Dampening Policy Name (Max Size 64)

Command Mode: address-family : Configure an address-family

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# address-family ipv4|ipv6 unicast
(config-leaf-bgp-vrf-af)# inherit bgp dampening <WORD>
```

inherit dwdm

inherit dwdm interface-policy <WORD> <NUMBER>

Description: DWDM interface policy

Syntax:

interface-policy	Inherit DWDM interface-policy
WORD	interface policy name (Max Size 64)
<1-96>	dwdmChannelNumber. Number range from=1 to=96

Command Mode: template fabric-interface-policy-group : Configure Leaf Fabric Interface Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fabric-interface-policy-group <WORD>
(leaf-fab-pol-grp)# inherit dwdm interface-policy <WORD> <NUMBER>
```

inherit dwdm interface-policy <WORD> <NUMBER>

Description: DWDM interface policy

Syntax:

interface-policy	Inherit DWDM interface-policy
WORD	interface policy name (Max Size 64)
<1-96>	dwdmChannelNumber. Number range from=1 to=96

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# inherit dwdm interface-policy <WORD> <NUMBER>
```

inherit dwdm interface-policy <WORD> <NUMBER>

Description: DWDM interface policy

Syntax:

interface-policy	Inherit DWDM interface-policy
WORD	interface policy name (Max Size 64)

| *<1-96>* | dwdmChannelNumber. Number range from=1 to=96 |

Command Mode: template spine-fabric-interface-policy-group : Configure Spine Fabric Interface Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-fabric-interface-policy-group <WORD>
(spine-fab-pol-grp)# inherit dwdm interface-policy <WORD> <NUMBER>
```

inherit dwdm interface-policy <WORD>

Description: Inherit DWDM interface policy

Syntax:

interface-policy	Associate the interface with an new DWDM interface policy
WORD	interface policy name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit dwdm interface-policy <WORD>
```

inherit dwdm interface-policy <WORD> <NUMBER>

Description: DWDM interface policy

Syntax:

interface-policy	Inherit DWDM interface-policy
WORD	interface policy name (Max Size 64)
<1-96>	dwdmChannelNumber. Number range from=1 to=96

Command Mode: fabric-interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fabric-interface ethernet
(config-leaf-if)# inherit dwdm interface-policy <WORD> <NUMBER>
```

inherit dwdm interface-policy <WORD>

Description: Inherit DWDM interface policy

Syntax:

interface-policy	Associate the interface with an new DWDM interface policy
WORD	interface policy name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit dwdm interface-policy <WORD>
```

inherit dwdm interface-policy <WORD> <NUMBER>

Description: DWDM interface policy

Syntax:

interface-policy	Inherit DWDM interface-policy
WORD	interface policy name (Max Size 64)
<1-96>	dwdmChannelNumber. Number range from=1 to=96

Command Mode: fabric-interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fabric-interface ethernet
(config-leaf-if)# inherit dwdm interface-policy <WORD> <NUMBER>
```

inherit eigrp

inherit eigrp ip|ipv6 interface-policy <WORD>

Description: Inherit EIGRP interface template policy

Syntax:

ip	Address Family IPv4
ipv6	Address Family IPv6
interface-policy	Associate the interface with an EIGRP interface policy
WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# inherit eigrp ip|ipv6 interface-policy <WORD>
```

inherit eigrp ip|ipv6 interface-policy <WORD>

Description: Inherit EIGRP interface template policy

Syntax:

ip	Address Family IPv4
ipv6	Address Family IPv6
interface-policy	Associate the interface with an EIGRP interface policy
WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit eigrp ip|ipv6 interface-policy <WORD>
```

inherit eigrp ip|ipv6 interface-policy <WORD>

Description: Inherit EIGRP interface template policy

Syntax:

ip	Address Family IPv4
ipv6	Address Family IPv6
interface-policy	Associate the interface with an EIGRP interface policy
WORD	Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# inherit eigrp ip|ipv6 interface-policy <WORD>
```

inherit eigrp ip|ipv6 interface-policy <WORD>

Description: Inherit EIGRP interface template policy

Syntax:

ip	Address Family IPv4
ipv6	Address Family IPv6
interface-policy	Associate the interface with an EIGRP interface policy
WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# inherit eigrp ip|ipv6 interface-policy <WORD>
```

inherit eigrp ip|ipv6 interface-policy <WORD>

Description: Inherit EIGRP interface template policy

Syntax:

ip	Address Family IPv4
ipv6	Address Family IPv6
interface-policy	Associate the interface with an EIGRP interface policy
WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit eigrp ip|ipv6 interface-policy <WORD>
```

inherit eigrp ip|ipv6 interface-policy <WORD>

Description: Inherit EIGRP interface template policy

Syntax:

ip	Address Family IPv4
ipv6	Address Family IPv6
interface-policy	Associate the interface with an EIGRP interface policy
WORD	Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# inherit eigrp ip|ipv6 interface-policy <WORD>
```

inherit fc-fabric-policy

inherit fc-fabric-policy <WORD>

Description: FC Fabric Policy

Syntax:

WORD	FC Fabric Policy

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit fc-fabric-policy <WORD>
```

inherit fc-leaf-policy

inherit fc-leaf-policy <WORD>

Description: FC Leaf Policy

Syntax:

WORD	FC Leaf Policy

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit fc-leaf-policy <WORD>
```

inherit hsrp

inherit hsrp interface-policy <WORD>

Description: Inherit HSRP interface template policy

Syntax:

interface-policy	Associate the interface with an HSRP interface policy
WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit hsrp interface-policy <WORD>
```

inherit hsrp interface-policy <WORD>

Description: Inherit HSRP interface template policy

Syntax:

interface-policy	Associate the interface with an HSRP interface policy
WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit hsrp interface-policy <WORD>
```

inherit ip

inherit ip arp <WORD>

Description: Inherit IP ARP template policy

Syntax:

arp	Associate the interface with an IP ARP policy
WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# inherit ip arp <WORD>
```

inherit ip arp <WORD>

Description: Inherit IP ARP template policy

Syntax:

arp	Associate the interface with an IP ARP policy
WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit ip arp <WORD>
```

inherit ip arp <WORD>

Description: Inherit IP ARP template policy

Syntax:

arp	Associate the interface with an IP ARP policy
WORD	Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# inherit ip arp <WORD>
```

inherit ip arp <WORD>

Description: Inherit IP ARP template policy

Syntax:

arp	Associate the interface with an IP ARP policy
WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# inherit ip arp <WORD>
```

inherit ip arp <WORD>

Description: Inherit IP ARP template policy

Syntax:

arp	Associate the interface with an IP ARP policy
WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit ip arp <WORD>
```

inherit ip arp <WORD>

Description: Inherit IP ARP template policy

Syntax:

arp	Associate the interface with an IP ARP policy
WORD	Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# inherit ip arp <WORD>
```

inherit ipsla

inherit ipsla <WORD>

Description: Configure IP SLA Monitoring Policy with PBR

Syntax:

WORD	IPSLA Monitoring Policy

Command Mode: svcredir-pol : Configure L4L7 service redirection policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
(svcredir-pol)# inherit ipsla <WORD>
```

inherit ipv4

inherit ipv4 ospf vrf-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

ospf	Inherit OSPF Policy
vrf-policy	Inherit OSPF vrf-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# inherit ipv4 ospf vrf-policy <WORD>
```

inherit ipv4 ospf vrf-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

ospf	Inherit OSPF Policy
vrf-policy	Inherit OSPF vrf-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# inherit ipv4 ospf vrf-policy <WORD>
```

inherit ipv6-nd

inherit ipv6-nd prefix <WORD> <WORD>

Description: Inherit IPv6 Neighbor Discovery Prefix template policy

Syntax:

prefix	Associate a ND Prefix policy with an IPv6 Prefix
WORD	WORD
WORD	ND Prefix Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# inherit ipv6-nd prefix <WORD> <WORD>
```

inherit ipv6-nd prefix <WORD> <WORD>

Description: Inherit IPv6 Neighbor Discovery Prefix template policy

Syntax:

prefix	Associate a ND Prefix policy with an IPv6 Prefix
WORD	WORD
WORD	ND Prefix Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit ipv6-nd prefix <WORD> <WORD>
```

inherit ipv6-nd prefix <WORD> <WORD>

Description: Inherit IPv6 Neighbor Discovery Prefix template policy

Syntax:

prefix	Associate a ND Prefix policy with an IPv6 Prefix
WORD	WORD

WORD	ND Prefix Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# inherit ipv6-nd prefix <WORD> <WORD>
```

inherit ipv6-nd prefix <WORD> <WORD>

Description: Inherit IPv6 Neighbor Discovery Prefix template policy

Syntax:

prefix	Associate a ND Prefix policy with an IPv6 Prefix
WORD	WORD
WORD	ND Prefix Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# inherit ipv6-nd prefix <WORD> <WORD>
```

inherit ipv6-nd prefix <WORD> <WORD>

Description: Inherit IPv6 Neighbor Discovery Prefix template policy

Syntax:

prefix	Associate a ND Prefix policy with an IPv6 Prefix
WORD	WORD
WORD	ND Prefix Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit ipv6-nd prefix <WORD> <WORD>
```

inherit ipv6-nd prefix <WORD> <WORD>

Description: Inherit IPv6 Neighbor Discovery Prefix template policy

Syntax:

prefix	Associate a ND Prefix policy with an IPv6 Prefix
WORD	WORD
WORD	ND Prefix Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# inherit ipv6-nd prefix <WORD> <WORD>
```

inherit ipv6

inherit ipv6 nd <WORD>

Description: Inherit IPv6 Neighbor Discovery template policy

Syntax:

nd	Associate the interface with an IPv6 Neighbor Discovery policy
WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# inherit ipv6 nd <WORD>
```

inherit ipv6 nd <WORD>

Description: Inherit IPv6 Neighbor Discovery template policy

Syntax:

nd	Associate the interface with an IPv6 Neighbor Discovery policy
WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit ipv6 nd <WORD>
```

inherit ipv6 ospf vrf-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

ospf	Inherit OSPF Policy
vrf-policy	Inherit OSPF vrf-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# inherit ipv6 ospf vrf-policy <WORD>
```

inherit ipv6 nd <WORD>

Description: Inherit IPv6 Neighbor Discovery template policy

Syntax:

nd	Associate the interface with an IPv6 Neighbor Discovery policy
WORD	Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# inherit ipv6 nd <WORD>
```

inherit ipv6 nd <WORD>

Description: Inherit IPv6 Neighbor Discovery template policy

Syntax:

nd	Associate the interface with an IPv6 Neighbor Discovery policy
WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# inherit ipv6 nd <WORD>
```

inherit ipv6 nd <WORD>

Description: Inherit IPv6 Neighbor Discovery template policy

Syntax:

nd	Associate the interface with an IPv6 Neighbor Discovery policy

WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit ipv6 nd <WORD>
```

inherit ipv6 ospf vrf-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

ospf	Inherit OSPF Policy
vrf-policy	Inherit OSPF vrf-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# inherit ipv6 ospf vrf-policy <WORD>
```

inherit ipv6 nd <WORD>

Description: Inherit IPv6 Neighbor Discovery template policy

Syntax:

nd	Associate the interface with an IPv6 Neighbor Discovery policy
WORD	Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# inherit ipv6 nd <WORD>
```

inherit isis-fabric

inherit isis-fabric <WORD>

Description: InterSystem-InterSystem Protocol (IS-IS)

Syntax:

WORD	IS-IS Fabric template (Max Size 64)

Command Mode: template pod-group : POD Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template pod-group <WORD>
(config-pod-group)# inherit isis-fabric <WORD>
```

inherit macsec-fabric

inherit macsec-fabric <WORD>

Description: MAC security fabric interface policy name

Syntax:

WORD	MAC security fabric interface policy name (Max Size 64)

Command Mode: template pod-group : POD Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template pod-group <WORD>
(config-pod-group)# inherit macsec-fabric <WORD>
```

inherit macsec

inherit macsec interface-policy <WORD>

Description: MAC security interface policy

Syntax:

interface-policy	Inherit MAC Security interface-policy
WORD	interface policy name (Max Size 64)

Command Mode: template fabric-interface-policy-group : Configure Leaf Fabric Interface Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fabric-interface-policy-group <WORD>
(leaf-fab-pol-grp)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: MAC security interface policy

Syntax:

interface-policy	Inherit MAC Security interface-policy
WORD	interface policy name (Max Size 64)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: MAC security interface policy

Syntax:

interface-policy	Inherit MAC Security interface-policy
WORD	interface policy name (Max Size 64)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: MAC security interface policy

Syntax:

interface-policy	Inherit MAC Security interface-policy
WORD	interface policy name (Max Size 64)

Command Mode: template spine-fabric-interface-policy-group : Configure Spine Fabric Interface Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-fabric-interface-policy-group <WORD>
(spine-fab-pol-grp)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: MAC security interface policy

Syntax:

interface-policy	Inherit MAC Security interface-policy
WORD	interface policy name (Max Size 64)

Command Mode: template spine-interface-policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-interface-policy-group <WORD>
(config-spine-if-pol-grp)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: Inherit MAC security interface policy

Syntax:

interface-policy	Associate the interface with an MAC security interface policy
WORD	interface policy name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: Inherit MAC security interface policy

Syntax:

interface-policy	Associate the interface with an MAC security interface policy
WORD	interface policy name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: MAC security interface policy

Syntax:

interface-policy	Inherit MAC Security interface-policy
WORD	interface policy name (Max Size 64)

Command Mode: fabric-interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fabric-interface ethernet
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: Inherit MAC security interface policy

Syntax:

interface-policy	Associate the interface with an MAC security interface policy
WORD	interface policy name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: Inherit MAC security interface policy

Syntax:

interface-policy	Associate the interface with an MAC security interface policy
WORD	interface policy name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: MAC security interface policy

Syntax:

interface-policy	Inherit MAC Security interface-policy
WORD	interface policy name (Max Size 64)

Command Mode: fabric-interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fabric-interface ethernet
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

inherit macsec interface-policy <WORD>

Description: Inherit MAC security interface policy

Syntax:

interface-policy	Associate the interface with an MAC security interface policy
WORD	interface policy name (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# inherit macsec interface-policy <WORD>
```

inherit macsec security-policy auto-key-generation

inherit macsec security-policy <WORD> auto-key-generation

Description: Use auto key generation

Syntax:

WORD	macsec policy name (Max Size 64)

Command Mode: template macsec access|fabric interface-policy : Configure macsec interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric interface-policy <WORD>
(config-macsec-if-policy)# inherit macsec security-policy <WORD> auto-key-generation
```

inherit macsec security-policy keychain

inherit macsec security-policy <WORD> keychain <WORD>

Description: key chain

Syntax:

WORD	macsec policy name (Max Size 64)
WORD	Keychain name (Max Size 64)

Command Mode: template macsec access|fabric interface-policy : Configure macsec interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric interface-policy <WORD>
(config-macsec-if-policy)# inherit macsec security-policy <WORD> keychain <WORD>
```

inherit node-control-policy

inherit node-control-policy <WORD>

Description: Associate an node-control policy

Syntax:

WORD	Name of node-control policy

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit node-control-policy <WORD>
```

inherit node-control-policy <WORD>

Description: Associate an node-control policy

Syntax:

WORD	Name of node-control policy

Command Mode: template spine-policy-group : Configure Spine Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template spine-policy-group <WORD>
(config-spine-policy-group)# inherit node-control-policy <WORD>
```

inherit node-only

inherit node-only bgp timer <WORD>

Description: Inherit node specific BGP Timer Policy

Syntax:

bgp	Inherit BGP Timer Policy
timer	Inherit BGP Timer Policy
WORD	BGP Template Policy Name (Max Size 64)

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# inherit node-only bgp timer <WORD>
```

inherit node-only bgp timer <WORD>

Description: Inherit node specific BGP Timer Policy

Syntax:

bgp	Inherit BGP Timer Policy
timer	Inherit BGP Timer Policy
WORD	BGP Template Policy Name (Max Size 64)

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# inherit node-only bgp timer <WORD>
```

inherit ntp-fabric

inherit ntp-fabric <WORD>

Description: Network Time Protocol (NTP)

Syntax:

WORD	NTP Fabric template (Max Size 64)

Command Mode: template pod-group : POD Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template pod-group <WORD>
(config-pod-group)# inherit ntp-fabric <WORD>
```

inherit pod-group

inherit pod-group <WORD>

Description: Pod Group

Syntax:

WORD	Pod Group Name (Max Size 64)

Command Mode: pods : Set of PODs

Command Path:

```
# configure [['terminal', 't']]
(config)# pod-profile <WORD>
(config-pod-profile)# pods <1-255>
(config-pod-profile-pods)# inherit pod-group <WORD>
```

inherit redirect-health-group

inherit redirect-health-group <WORD>

Description: Configure RedirectHealthGroup with PBR Destination

Syntax:

WORD	Redirect Health Group

Command Mode: l1l2redir-dest : Configure l1l2redirect destination

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
(svcredir-pol)# l1l2redir-dest <WORD>
(config-l1l2redir-dest)# inherit redirect-health-group <WORD>
```

inherit snmp-fabric

inherit snmp-fabric <WORD>

Description: Simple Network Management Protocol (SNMP)

Syntax:

WORD	SNMP Fabric template (Max Size 64)

Command Mode: template pod-group : POD Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template pod-group <WORD>
(config-pod-group)# inherit snmp-fabric <WORD>
```

inherit twamp-responder-policy

inherit twamp-responder-policy <WORD>

Description: Associate a twamp-responder policy

Syntax:

WORD	Name of twamp-responder policy

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit twamp-responder-policy <WORD>
```

inherit twamp-responder-policy <WORD>

Description: Associate a twamp-responder policy

Syntax:

WORD	Name of twamp-responder policy

Command Mode: template spine-policy-group : Configure Spine Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template spine-policy-group <WORD>
(config-spine-policy-group)# inherit twamp-responder-policy <WORD>
```

inherit twamp-server-policy

inherit twamp-server-policy <WORD>

Description: Associate a twamp-server policy

Syntax:

WORD	Name of twamp-server policy

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit twamp-server-policy <WORD>
```

inherit twamp-server-policy <WORD>

Description: Associate a twamp-server policy

Syntax:

WORD	Name of twamp-server policy

Command Mode: template spine-policy-group : Configure Spine Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template spine-policy-group <WORD>
(config-spine-policy-group)# inherit twamp-server-policy <WORD>
```

inherit vsan-attribute

inherit vsan-attribute <WORD>

Description: Configure Vsan Attribute Policy

Syntax:

WORD	Configure Vsan Attribute Policy

Command Mode: vsan-domain : Configure vsan domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vsan-domain <name>
(config-vsan)# inherit vsan-attribute <WORD>
```

I Commands

inst-pol

inst-pol

inst-pol \<WORD> \<vmm-domain> \<ctrlr> \<vm-template> \<resource-pool> \<datastore>

Description: Configure L4L7 service vm instantiation policy

Syntax:

WORD	service vm instantiation policy name (Max Size 16)
vmm-domain	Select Domain
ctrlr	Select ctrlr
vm-template	Select vcenter under domain
resource-pool	Select resourcepool for instpol
datastore	select datastore

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inst-pol <WORD> <vmm-domain> <ctrlr> <vm-template> <resource-pool>
<datastore>
```

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instance

instance <NUMBER> vlan <RANGE>

Description: Maps VLANs to an MST instance

Syntax:

<1-4094>	MST instance ID. Number range from=1 to=4094
vlan	Virtual LAN
RANGE	VLAN range. Ex.: 10-3000

Command Mode: region : STP MST region configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spanning-tree mst configuration
(config-stp)# region <WORD>
(config-stp-region)# instance <NUMBER> vlan <RANGE>
```

integrations-group

integrations-group <WORD>

Description: Integrations Group

Syntax:

WORD	group name (Max Size None)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# integrations-group <WORD>
```

integrations-mgr

integrations-mgr <WORD> <type>

Description: Integrations Manager

Syntax:

WORD	manager name (Max Size 64)
<type>	Device Type

Command Mode: integrations-group : Integrations Group

Command Path:

```
# configure [['terminal', 't']]
(config)# integrations-group <WORD>
(config-integrations-group)# integrations-mgr <WORD> <type>
```

interface

interface bridge-domain <WORD>

Description: Configuration for interface bridge-domain

Syntax:

bridge-domain	Name of the bridge-domain
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
```

interface ethernet

Description: Provide a Range of Interfaces

Syntax:

ethernet	Configure Physical Interface
arg	Provide range of Interfaces

Command Mode: spine-interface-group : Configure Spine Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
(config-spine-if-group)# interface ethernet
```

interface ethernet

Description: Configure Ports on the Fex Interface Group

Syntax:

ethernet	Configure Physical Interface
arg	Provide range of Interfaces

Command Mode: fex-interface-group : Configure Fex Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
(config-fex-if-group)# interface ethernet
```

interface ethernet

Description: Provide a Range of Interfaces

Syntax:

ethernet	Configure Physical Interface
arg	Provide range of Interfaces

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# interface ethernet
```

interface ethernet

Description: Provide a Range of Interfaces

Syntax:

ethernet	Configure Physical Interface
arg	Provide range of Interfaces

Command Mode: spine-interface-group : Configure Spine Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
(config-spine-if-group)# interface ethernet
```

interface vpc <WORD> [fex <fex>]

Description: Provide VPC Name

Syntax:

vpc	VPC Interface
WORD	VPC Name (Max Size 64)

fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: vpc context : Enter vpc context

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
```

interface ethernet

interface ethernet <ethernet> leaf <leaf-id>

Description: Configure Physical Ethernet Port as a Cluster Member Interface

Syntax:

<ethernet>	List of ethernet itfs
leaf	Leaf ID that connects to cluster ethernet interface on (physical) device.
<leaf-id>	Leaf ID that connects to cluster ethernet interface on (physical) device.

Command Mode: member : Configure Cluster Interface Member

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
(config-cluster)# cluster-interface <WORD> [vlan <NUMBER>]
(config-cluster-interface)# member device <WORD> device-interface <WORD>
(config-member)# interface ethernet <ethernet> leaf <leaf-id>
```

interface ethernet

Description: Provide a Range of Interfaces

Syntax:

arg	Provide range of Interfaces

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# interface ethernet
```

interface ethernet <ifRange>

Description: Ethernet IEEE 802.3z

Syntax:

<ifRange>	interface Range

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

interface ethernet <ifRange>

Description: Ethernet IEEE 802.3z

Syntax:

<ifRange>	interface Range

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
```

interface fc-port-channel

interface fc-port-channel <WORD>

Description: FC Port Channel

Syntax:

WORD	Port-Channel Name (Max Size 64)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
```

interface fc-port-channel <WORD>

Description: FC Port Channel

Syntax:

WORD	Port-Channel Name (Max Size 64)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
```

interface fc

interface fc

Description: Configure a native FC Interface

Syntax:

arg	Provide range of Interfaces

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# interface fc
```

interface fc <ifRange>

Description: FC Interface

Syntax:

<ifRange>	interface Range

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
```

interface fc <ifRange>

Description: FC Interface

Syntax:

<ifRange>	interface Range

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
```

interface inband-mgmt0

interface inband-mgmt0

Description: Inband management interface

Command Mode: controller : Configure Controller Node

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
```

interface inband-mgmt0

Description: Inband management interface

Command Mode: switch : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
```

interface mgmt0

interface mgmt0

Description: Out of band management interface

Command Mode: controller : Configure Controller Node

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
```

interface mgmt0

Description: Out of band management interface

Command Mode: switch : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
```

interface port-channel

interface port-channel <port-channel-name> leaf <NUMBER> [fex <fex-id>]

Description: Configure Port Channel as a Cluster Member Interface

Syntax:

<port-channel-name>	Name of the port-channel
leaf	Leaf Id for the port-channel
NUMBER	Leaf Id for the port channel.. Number range from=0 to=9223372036854775807
<fex-id>	(Optional) Fex ID that connects to cluster interface interface on (physical) device.

Command Mode: member : Configure Cluster Interface Member

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
(config-cluster)# cluster-interface <WORD> [vlan <NUMBER>]
(config-cluster-interface)# member device <WORD> device-interface <WORD>
(config-member)# interface port-channel <port-channel-name> leaf <NUMBER> [fex <fex-id>]
```

interface port-channel <WORD> [fex <fex>]

Description: Port Channel interface

Syntax:

WORD	Port-Channel Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

interface port-channel <WORD> [fex <fex>]

Description: Port Channel interface

Syntax:

WORD	Port-Channel Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
```

interface vfc-po

interface vfc-po <WORD> [fex <fex>]

Description: VFC Port Channel interface

Syntax:

WORD	Port-Channel Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc-po <WORD> [fex <fex>]
```

interface vfc-po <WORD> [fex <fex>]

Description: VFC Port Channel interface

Syntax:

WORD	Port-Channel Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc-po <WORD> [fex <fex>]
```

interface vfc

interface vfc <ifRange>

Description: Virtual Fiber Channel interface

Syntax:

<ifRange>	interface Range

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc <ifRange>
```

interface vfc <ifRange>

Description: Virtual Fiber Channel interface

Syntax:

<ifRange>	interface Range

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc <ifRange>
```

interface vlan

interface vlan <1-4094>

Description: Vlan interface

Syntax:

<1-4094>	Vlan interface number

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
```

interface vlan <1-4094>

Description: Vlan interface

Syntax:

<1-4094>	Vlan interface number

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
```

interface vpc

interface vpc <vpc-name> leaf <NUMBER> <NUMBER> [fex fex <Ids>]

Description: Configure monitor for VPC interfaces

Syntax:

<vpc-name>	VPC port-channel group name
leaf	leaf
NUMBER	First leaf member of the Pair. Number range from=0 to=9223372036854775807
NUMBER	Second leaf member of the Pair. Number range from=0 to=9223372036854775807
fex <Ids>	(Optional) paired fex Ids

Command Mode: member : Configure Cluster Interface Member

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
(config-cluster)# cluster-interface <WORD> [vlan <NUMBER>]
(config-cluster-interface)# member device <WORD> device-interface <WORD>
(config-member)# interface vpc <vpc-name> leaf <NUMBER> <NUMBER> [fex fex <Ids>]
```

interpod

interpod data hardware-proxy <A.B.C.D>

Description: Interpod anycast hardware-proxy ip

Syntax:

data	Interpod anycast hardware-proxy ip
hardware-proxy	Interpod anycast hardware-proxy ip
A.B.C.D	IPV4 address in format x.x.x.x

Command Mode: pod : Pod Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# pod <NUMBER>
(config-fabric-external-pod)# interpod data hardware-proxy <A.B.C.D>
```

interval

interval <NUMBER>

Description: Set the window of calculation

Syntax:

<30-900>	Set the window of calculation. Number range from=30 to=900

Command Mode: performance : Nginx Requested Response Time Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# performance
(config-performance)# interval <NUMBER>
```

ip-filter-action

ip-filter-action deny|permit

Description: IP filtering action for VRF filtering

Syntax:

deny	Deny IP traffic
permit	Allow IP traffic

Command Mode: flow-exporter : Configure external analytics reachability information

Command Path:

```
# configure [['terminal', 't']]
(config)# analytics cluster <WORD>
(config-analytics)# flow-exporter <WORD>
(config-analytics-cluster-exporter)# ip-filter-action deny|permit
```

ip-inspection-admin-status

ip-inspection-admin-status enabled-both|disabled

Description: Config IP inspection administrative status in first hop security bridge domain policy

Syntax:

enabled-both	Enable IP inspection for both IPv4 and IPv6
disabled	Disable IP inspection

Command Mode: security-policy : Configuration for security policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# ip-inspection-admin-status enabled-both|disabled
```

ip

ip learning

Description: Instruct the destination leaf to learn source ip of the packet

Syntax:

learning	ip learning

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# ip learning
```

ip route <A.B.C.D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref> [ip-trackList <ip-trackList>] [nh-trackList <nh-trackList>]

Description: Configure IP features

Syntax:

route	Route information
A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
ipAddress|null	
<ZeroorPref>	
<BfdorPref>	
ip-trackList	(Optional) Select TrackList for IpRoute
nh-trackList	(Optional) Select TrackList for IpNextHop

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# ip route <A.B.C.D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>
[ip-trackList <ip-trackList>] [nh-trackList <nh-trackList>]
```

ip <arg> [secondary]

Description: Enable HSRP IP and set the virtual IP address

Syntax:

arg	
secondary	(Optional) Configure IP Address as Secondary IP

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ip <> [secondary]
```

ip <arg> [secondary]

Description: Enable HSRP IP and set the virtual IP address

Syntax:

arg	
secondary	(Optional) Configure IP Address as Secondary IP

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ip <> [secondary]
```

ip route <A.B.C.D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref> [ip-trackList <ip-trackList>] [nh-trackList <nh-trackList>]

Description: Configure IP features

Syntax:

route	Route information
A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
ipAddress|null	
<ZeroorPref>	
<BfdorPref>	
ip-trackList	(Optional) Select TrackList for IpRoute
nh-trackList	(Optional) Select TrackList for IpNextHop

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# ip route <A.B.C.D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>
[ip-trackList <ip-trackList>] [nh-trackList <nh-trackList>]
```

ip <arg> [secondary]

Description: Enable HSRP IP and set the virtual IP address

Syntax:

arg	
secondary	(Optional) Configure IP Address as Secondary IP

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ip <> [secondary]
```

ip <arg> [secondary]

Description: Enable HSRP IP and set the virtual IP address

Syntax:

arg	
secondary	(Optional) Configure IP Address as Secondary IP

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ip <> [secondary]
```

ip prefix-list <name> [permit <A.B.C.D/LEN>]

Description: Import Prefix list

Syntax:

ip

prefix-list	Prefix List
name	Prefix list name
A.B.C.D/LEN	(Optional) IPV4 address in format x.x.x.x/LEN

Command Mode: route-map : Import subnet from IPN

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# route-map interpod-import
(config-fabric-external-route-map)# ip prefix-list <name> [permit <A.B.C.D/LEN>]
```

ip address-range

ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>

Description: Configure IP and gateway features

Syntax:

A.B.C.D/LEN	IP Address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
A.B.C.D	Gateway address in format x.x.x.x

Command Mode: interface mgmt0 : Out of band management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
(config-controller-if)# ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>
```

ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>

Description: Configure IP and gateway features

Syntax:

A.B.C.D/LEN	IP address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
A.B.C.D	Gateway address in format x.x.x.x

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>
```

ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>

Description: Configure IP and gateway features

Syntax:

A.B.C.D/LEN	IP Address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface

| A.B.C.D | Gateway address in format x.x.x.x |

Command Mode: interface mgmt0 : Out of band management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
(config-switch-if)# ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>
```

ip address-range <A.B.C.D> gateway <A.B.C.D>

Description: Configure IP and gateway features

Syntax:

A.B.C.D	IP address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
A.B.C.D	Gateway address in format x.x.x.x

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
(config-switch-if)# ip address-range <A.B.C.D> gateway <A.B.C.D>
```

ip address

ip address <A.B.C.D/LEN> [scope <scope>] [secondary] [multi-site] [snooping-querier]

Description: Define an IPv4 subnet to be exported by the BD

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
scope	(Optional) Scope of the address among ['public', 'private']
secondary	(Optional) Set the address as secondary address
multi-site	(Optional) Set the address as multi-site address
snooping-querier	(Optional) Tell the address to be used by IGMP Snooping querier functionality if enabled

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip address <A.B.C.D/LEN> [scope <scope>] [secondary] [multi-site]
 [snooping-querier]
```

ip address <A.B.C.D/LEN> [secondary]

Description: Configure IP address on interface

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure additional IP addresses on interface

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

ip address <A.B.C.D/LEN> [secondary]

Description: Configure IP address on interface

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure IP Address as Secondary IP

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

ip address <A.B.C.D/LEN> [secondary]

Description: Configure IP address on interface

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure IP Address as Secondary IP

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

ip address <A.B.C.D/LEN>

Description: Configure IP address on interface

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip address <A.B.C.D/LEN>
```

ip address <A.B.C.D/LEN> [secondary]

Description: Configure IP address on interface

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure additional IP addresses on interface

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

ip address <A.B.C.D/LEN> [secondary]

Description: Configure IP address on interface

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure IP Address as Secondary IP

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

ip address <A.B.C.D/LEN> [secondary]

Description: Configure IP address on interface

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure IP Address as Secondary IP

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

ip address <A.B.C.D/LEN>

Description: Configure IP address on interface

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip address <A.B.C.D/LEN>
```

ip address <A.B.C.D/LEN> gateway <A.B.C.D>

Description: Configure IP and gateway features

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
A.B.C.D	Gateway address in format x.x.x.x

Command Mode: interface mgmt0 : Out of band management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
(config-controller-if)# ip address <A.B.C.D/LEN> gateway <A.B.C.D>
```

ip address <A.B.C.D/LEN> gateway <A.B.C.D>

Description: Configure IP and gateway features

Syntax:

A.B.C.D/LEN	IP address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
A.B.C.D	Gateway address in format x.x.x.x

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# ip address <A.B.C.D/LEN> gateway <A.B.C.D>
```

ip address <A.B.C.D/LEN> gateway <A.B.C.D>

Description: Configure IP and gateway features

Syntax:

A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
A.B.C.D	Gateway address in format x.x.x.x

Command Mode: interface mgmt0 : Out of band management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
(config-switch-if)# ip address <A.B.C.D/LEN> gateway <A.B.C.D>
```

ip address <A.B.C.D/LEN> gateway <A.B.C.D>

Description: Configure IP and gateway features

Syntax:

A.B.C.D/LEN	IP address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
A.B.C.D	Gateway address in format x.x.x.x

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
(config-switch-if)# ip address <A.B.C.D/LEN> gateway <A.B.C.D>
```

ip address tenant application

ip address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

Description: Add a new server relay address under an AEPg

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
WORD	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
WORD	AEPg behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

ip address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

Description: Add a new server relay address under an AEPg

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
WORD	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
WORD	AEPg behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
```

```
(config-tenant-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> application <WORD>
 epg <WORD>
```

ip address tenant external-l2

ip address <A.B.C.D> tenant <WORD> external-l2 epg <WORD>

Description: Add a new server relay address under a L2 External EPG

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
WORD	l2 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> external-l2 epg <WORD>
```

ip address <A.B.C.D> tenant <WORD> external-l2 epg <WORD>

Description: Add a new server relay address under a L2 External EPG

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
WORD	l2 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
(config-tenant-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> external-l2 epg
<WORD>
```

ip address tenant external-l3

ip address <A.B.C.D> tenant <WORD> external-l3 epg <WORD>

Description: Add a new server relay address under a L3 External EPG

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
WORD	l3 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> external-l3 epg <WORD>
```

ip address <A.B.C.D> tenant <WORD> external-l3 epg <WORD>

Description: Add a new server relay address under a L3 External EPG

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
WORD	l3 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
(config-tenant-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> external-l3 epg
<WORD>
```

ip arp garp-adj-enable

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: template ip arp policy : Create/modify an IP ARP policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip arp policy <WORD>
(config-tenant-template-ip-arp)# ip arp garp-adj-enable
```

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: template ip arp policy : Create/modify an IP ARP policy

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ip arp policy <WORD> tenant <WORD>
(config-template-arp-pol)# ip arp garp-adj-enable
```

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip arp garp-adj-enable
```

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip arp garp-adj-enable
```

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip arp garp-adj-enable
```

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip arp garp-adj-enable
```

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: template ip arp policy : Create/modify an IP ARP policy

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ip arp policy <WORD> tenant <WORD>
(config-template-arp-pol)# ip arp garp-adj-enable
```

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip arp garp-adj-enable
```

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip arp garp-adj-enable
```

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip arp garp-adj-enable
```

ip arp garp-adj-enable

Description: Enable learning adjacency from GARP

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip arp garp-adj-enable
```

ip bandwidth

ip bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip bandwidth eigrp default <NUMBER>
```

ip bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

ip bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance

| *<0-2560000000>* | bandwidth in kbps. Number range from=0 to=2560000000 |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

ip bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

ip bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip bandwidth eigrp default <NUMBER>
```

ip bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip bandwidth eigrp default <NUMBER>
```

ip bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

ip bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

ip bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

ip bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip bandwidth eigrp default <NUMBER>
```

ip bfd

ip bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip bfd enable
```

ip bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip bfd eigrp enable
```

ip bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip bfd eigrp enable
```

ip bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip bfd eigrp enable
```

ip bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip bfd eigrp enable
```

ip bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip bfd enable
```

ip bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip bfd eigrp enable
```

ip bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip bfd eigrp enable
```

ip bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip bfd eigrp enable
```

ip bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip bfd eigrp enable
```

ip dhcp relay address tenant application

ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

Description: Add a new server relay address under an AEPg

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
WORD	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
WORD	AEPg behind which the DHCP server sits (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD>
 epg <WORD>
```

ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the DHCP server

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the DHCP server (Max Size 63)
WORD	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
WORD	EPG hosting the DHCP server (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the DHCP server

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the DHCP server (Max Size 63)
WORD	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
WORD	EPG hosting the DHCP server (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the DHCP server

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the DHCP server (Max Size 63)
WORD	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
WORD	EPG hosting the DHCP server (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the DHCP server

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the DHCP server (Max Size 63)
WORD	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
WORD	EPG hosting the DHCP server (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the DHCP server

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the DHCP server (Max Size 63)
WORD	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
WORD	EPG hosting the DHCP server (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
```

```
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the DHCP server

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the DHCP server (Max Size 63)
WORD	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
WORD	EPG hosting the DHCP server (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

ip dhcp relay address tenant external-l2

ip dhcp relay address <A.B.C.D> tenant <WORD> external-l2 epg <WORD>

Description: Add a new server relay address under a L2 External EPG

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
WORD	l2 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip dhcp relay address <A.B.C.D> tenant <WORD> external-l2 epg
<WORD>
```

ip dhcp relay address tenant external-l3

ip dhcp relay address <A.B.C.D> tenant <WORD> external-l3 epg <WORD>

Description: Add a new server relay address under a L3 External EPG

Syntax:

A.B.C.D	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
WORD	l3 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip dhcp relay address <A.B.C.D> tenant <WORD> external-l3 epg
<WORD>
```

ip distribute-list eigrp

ip distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP route-map

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

ip distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP Policies

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

ip distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP Policies

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

ip distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP route-map

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip distribute-list eigrp default route-map <WORD> out
```

ip distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP route-map

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

ip distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP Policies

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

ip distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP Policies

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

ip distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP route-map

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip distribute-list eigrp default route-map <WORD> out
```

ip dscp

ip dscp <dscp>

Description: dscp

Syntax:

dscp	DSCP code or value

Command Mode: destination tenant : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-access-dest)# ip dscp <dscp>
```

ip dscp <dscp>

Description: dscp

Syntax:

dscp	DSCP code or value

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-fabric-dest)# ip dscp <dscp>
```

ip dscp <dscp>

Description: dscp

Syntax:

dscp	DSCP code or value

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
```

```
(config-monitor-tenant-dest)# ip dscp <dscp>
```

ip dscp <dscp>

Description: Configure DSCP

Syntax:

<dscp>	<dscp>

Command Mode: destination destip : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# destination destip <A.B.C.D>
(config-monitor-virtual-remote-dest)# ip dscp <dscp>
```

ip flow

ip flow monitor <WORD>

Description: Configure Netflow on the Port-Channel

Syntax:

monitor	Configure Netflow on the Port-Channel
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# ip flow monitor <WORD>
```

ip flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# ip flow monitor <WORD>
```

ip flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip flow monitor <WORD>
```

ip flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip flow monitor <WORD>
```

ip flow monitor <arg>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
arg	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip flow monitor <>
```

ip flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip flow monitor <WORD>
```

ip flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip flow monitor <WORD>
```

ip flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip flow monitor <WORD>
```

ip flow monitor <arg>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
arg	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip flow monitor <>
```

ip flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip flow monitor <WORD>
```

ip flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip flow monitor <WORD>
```

ip flow monitor <WORD>

Description: Configure Netflow on the VPC

Syntax:

monitor	Configure Netflow on the VPC
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# ip flow monitor <WORD>
```

ip hello-interval

ip hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip hello-interval eigrp default <NUMBER>
```

ip hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

ip hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance

| *<1-65535>* | Hello interval time in seconds. Number range from=1 to=65535 |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

ip hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

ip hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip hello-interval eigrp default <NUMBER>
```

ip hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip hello-interval eigrp default <NUMBER>
```

ip hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

ip hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

ip hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

ip hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip hello-interval eigrp default <NUMBER>
```

ip hold-interval

ip hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip hold-interval eigrp default <NUMBER>
```

ip hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

ip hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance

| *<1-65535>* | Hold interval time in seconds. Number range from=1 to=65535 |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

ip hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

ip hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip hold-interval eigrp default <NUMBER>
```

ip hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip hold-interval eigrp default <NUMBER>
```

ip hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

ip hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

ip hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

ip hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip hold-interval eigrp default <NUMBER>
```

ip igmp

ip igmp

Description: Enable IGMP

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip igmp
```

ip igmp allow-v3-asm

ip igmp allow-v3-asm

Description: Allow V3 ASM

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp allow-v3-asm
```

ip igmp allow-v3-asm

Description: Allow V3 ASM

Syntax:

igmp	igmp

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp allow-v3-asm
```

ip igmp allow-v3-asm

Description: Allow V3 ASM

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp allow-v3-asm
```

ip igmp allow-v3-asm

Description: Allow V3 ASM

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp allow-v3-asm
```

ip igmp allow-v3-asm

Description: Allow V3 ASM

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp allow-v3-asm
```

ip igmp allow-v3-asm

Description: Allow V3 ASM

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp allow-v3-asm
```

ip igmp fast-leave

ip igmp fast-leave

Description: Enable IP IGMP fast leave processing

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp fast-leave
```

ip igmp fast-leave

Description: Enable IP IGMP fast leave processing

Syntax:

igmp	igmp

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp fast-leave
```

ip igmp fast-leave

Description: Enable IP IGMP fast leave processing

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp fast-leave
```

ip igmp fast-leave

Description: Enable IP IGMP fast leave processing

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp fast-leave
```

ip igmp fast-leave

Description: Enable IP IGMP fast leave processing

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp fast-leave
```

ip igmp fast-leave

Description: Enable IP IGMP fast leave processing

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp fast-leave
```

ip igmp group-timeout

ip igmp group-timeout <NUMBER>

Description: Configures group membership timeout for IGMPv2

Syntax:

<3-65535>	Time in seconds. Number range from=3 to=65535

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp group-timeout <NUMBER>
```

ip igmp group-timeout <NUMBER>

Description: Configures group membership timeout for IGMPv2

Syntax:

igmp	igmp
<3-65535>	Time in seconds. Number range from=3 to=65535

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp group-timeout <NUMBER>
```

ip igmp group-timeout <NUMBER>

Description: Configures group membership timeout for IGMPv2

Syntax:

<3-65535>	Time in seconds. Number range from=3 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp group-timeout <NUMBER>
```

ip igmp group-timeout <NUMBER>

Description: Configures group membership timeout for IGMPv2

Syntax:

<3-65535>	Time in seconds. Number range from=3 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp group-timeout <NUMBER>
```

ip igmp group-timeout <NUMBER>

Description: Configures group membership timeout for IGMPv2

Syntax:

<3-65535>	Time in seconds. Number range from=3 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp group-timeout <NUMBER>
```

ip igmp group-timeout <NUMBER>

Description: Configures group membership timeout for IGMPv2

Syntax:

<3-65535>	Time in seconds. Number range from=3 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp group-timeout <NUMBER>
```

ip igmp inherit

ip igmp inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a IGMP interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	IGMP inteface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp inherit interface-policy <WORD> [tenant <WORD>]
```

ip igmp inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a IGMP interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	IGMP inteface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp inherit interface-policy <WORD> [tenant <WORD>]
```

ip igmp inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a IGMP interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	IGMP inteface policy name (Max Size 64)

| WORD | (Optional) Tenant where policy is defined |

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp inherit interface-policy <WORD> [tenant <WORD>]
```

ip igmp inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a IGMP interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	IGMP inteface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp inherit interface-policy <WORD> [tenant <WORD>]
```

ip igmp inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a IGMP interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	IGMP inteface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp inherit interface-policy <WORD> [tenant <WORD>]
```

ip igmp last-member-query-count

ip igmp last-member-query-count <NUMBER>

Description: Configures number of group-specific Queries sent

Syntax:

<1-5>	Count value. Number range from=1 to=5

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp last-member-query-count <NUMBER>
```

ip igmp last-member-query-count <NUMBER>

Description: Configures number of group-specific Queries sent

Syntax:

igmp	igmp
<1-5>	Count value. Number range from=1 to=5

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp last-member-query-count <NUMBER>
```

ip igmp last-member-query-count <NUMBER>

Description: Configures number of group-specific Queries sent

Syntax:

<1-5>	Count value. Number range from=1 to=5

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp last-member-query-count <NUMBER>
```

ip igmp last-member-query-count <NUMBER>

Description: Configures number of group-specific Queries sent

Syntax:

<1-5>	Count value. Number range from=1 to=5

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp last-member-query-count <NUMBER>
```

ip igmp last-member-query-count <NUMBER>

Description: Configures number of group-specific Queries sent

Syntax:

<1-5>	Count value. Number range from=1 to=5

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp last-member-query-count <NUMBER>
```

ip igmp last-member-query-count <NUMBER>

Description: Configures number of group-specific Queries sent

Syntax:

<1-5>	Count value. Number range from=1 to=5

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp last-member-query-count <NUMBER>
```

ip igmp last-member-query-response-time

ip igmp last-member-query-response-time <NUMBER>

Description: Configures last member query response time

Syntax:

<1-25>	Time in seconds. Number range from=1 to=25

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp last-member-query-response-time <NUMBER>
```

ip igmp last-member-query-response-time <NUMBER>

Description: Configures last member query response time

Syntax:

igmp	igmp
<1-25>	Time in seconds. Number range from=1 to=25

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp last-member-query-response-time <NUMBER>
```

ip igmp querier-timeout

ip igmp querier-timeout <NUMBER>

Description: Configures querier timeout for IGMPv2

Syntax:

<1-65535>	Time in seconds. Number range from=1 to=65535

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp querier-timeout <NUMBER>
```

ip igmp querier-timeout <NUMBER>

Description: Configures querier timeout for IGMPv2

Syntax:

igmp	igmp
<1-65535>	Time in seconds. Number range from=1 to=65535

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp querier-timeout <NUMBER>
```

ip igmp querier-timeout <NUMBER>

Description: Configures querier timeout for IGMPv2

Syntax:

<1-65535>	Time in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp querier-timeout <NUMBER>
```

ip igmp querier-timeout <NUMBER>

Description: Configures querier timeout for IGMPv2

Syntax:

<1-65535>	Time in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp querier-timeout <NUMBER>
```

ip igmp querier-timeout <NUMBER>

Description: Configures querier timeout for IGMPv2

Syntax:

<1-65535>	Time in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp querier-timeout <NUMBER>
```

ip igmp querier-timeout <NUMBER>

Description: Configures querier timeout for IGMPv2

Syntax:

<1-65535>	Time in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp querier-timeout <NUMBER>
```

ip igmp query-interval

ip igmp query-interval <NUMBER>

Description: Configures interval between Query transmission

Syntax:

<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp query-interval <NUMBER>
```

ip igmp query-interval <NUMBER>

Description: Configures interval between Query transmission

Syntax:

igmp	igmp
<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp query-interval <NUMBER>
```

ip igmp query-interval <NUMBER>

Description: Configures interval between Query transmission

Syntax:

<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp query-interval <NUMBER>
```

ip igmp query-interval <NUMBER>

Description: Configures interval between Query transmission

Syntax:

<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp query-interval <NUMBER>
```

ip igmp query-interval <NUMBER>

Description: Configures interval between Query transmission

Syntax:

<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp query-interval <NUMBER>
```

ip igmp query-interval <NUMBER>

Description: Configures interval between Query transmission

Syntax:

<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp query-interval <NUMBER>
```

ip igmp query-max-response-time

ip igmp query-max-response-time <NUMBER>

Description: Configures MRT for query messages

Syntax:

<1-25>	Time in seconds. Number range from=1 to=25

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp query-max-response-time <NUMBER>
```

ip igmp query-max-response-time <NUMBER>

Description: Configures MRT for query messages

Syntax:

igmp	igmp
<1-25>	Time in seconds. Number range from=1 to=25

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp query-max-response-time <NUMBER>
```

ip igmp query-max-response-time <NUMBER>

Description: Configures MRT for query messages

Syntax:

<1-25>	Time in seconds. Number range from=1 to=25

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp query-max-response-time <NUMBER>
```

ip igmp query-max-response-time <NUMBER>

Description: Configures MRT for query messages

Syntax:

<1-25>	Time in seconds. Number range from=1 to=25

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp query-max-response-time <NUMBER>
```

ip igmp query-max-response-time <NUMBER>

Description: Configures MRT for query messages

Syntax:

<1-25>	Time in seconds. Number range from=1 to=25

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp query-max-response-time <NUMBER>
```

ip igmp query-max-response-time <NUMBER>

Description: Configures MRT for query messages

Syntax:

<1-25>	Time in seconds. Number range from=1 to=25

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp query-max-response-time <NUMBER>
```

ip igmp report-link-local-groups

ip igmp report-link-local-groups

Description: Send Reports for groups in 224.0.0.0/24

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp report-link-local-groups
```

ip igmp report-link-local-groups

Description: Send Reports for groups in 224.0.0.0/24

Syntax:

igmp	igmp

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp report-link-local-groups
```

ip igmp report-link-local-groups

Description: Send Reports for groups in 224.0.0.0/24

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp report-link-local-groups
```

ip igmp report-link-local-groups

Description: Send Reports for groups in 224.0.0.0/24

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp report-link-local-groups
```

ip igmp report-link-local-groups

Description: Send Reports for groups in 224.0.0.0/24

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp report-link-local-groups
```

ip igmp report-link-local-groups

Description: Send Reports for groups in 224.0.0.0/24

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp report-link-local-groups
```

ip igmp report-policy

ip igmp report-policy <WORD>

Description: Configure IGMP report policy

Syntax:

WORD	Route-map name

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp report-policy <WORD>
```

ip igmp report-policy <WORD>

Description: Configure IGMP report policy

Syntax:

igmp	igmp
WORD	Route-map name

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp report-policy <WORD>
```

ip igmp report-policy <WORD>

Description: Configure IGMP report policy

Syntax:

WORD	Route-map name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp report-policy <WORD>
```

ip igmp report-policy <WORD>

Description: Configure IGMP report policy

Syntax:

WORD	Route-map name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp report-policy <WORD>
```

ip igmp report-policy <WORD>

Description: Configure IGMP report policy

Syntax:

WORD	Route-map name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp report-policy <WORD>
```

ip igmp report-policy <WORD>

Description: Configure IGMP report policy

Syntax:

WORD	Route-map name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp report-policy <WORD>
```

ip igmp robustness-variable

ip igmp robustness-variable <NUMBER>

Description: Configures RFC defined Robustness Variable

Syntax:

<1-7>	Count value. Number range from=1 to=7

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp robustness-variable <NUMBER>
```

ip igmp robustness-variable <NUMBER>

Description: Configures RFC defined Robustness Variable

Syntax:

igmp	igmp
<1-7>	Count value. Number range from=1 to=7

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp robustness-variable <NUMBER>
```

ip igmp robustness-variable <NUMBER>

Description: Configures RFC defined Robustness Variable

Syntax:

<1-7>	Count value. Number range from=1 to=7

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp robustness-variable <NUMBER>
```

ip igmp robustness-variable <NUMBER>

Description: Configures RFC defined Robustness Variable

Syntax:

<1-7>	Count value. Number range from=1 to=7

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp robustness-variable <NUMBER>
```

ip igmp robustness-variable <NUMBER>

Description: Configures RFC defined Robustness Variable

Syntax:

<1-7>	Count value. Number range from=1 to=7

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp robustness-variable <NUMBER>
```

ip igmp robustness-variable <NUMBER>

Description: Configures RFC defined Robustness Variable

Syntax:

<1-7>	Count value. Number range from=1 to=7

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp robustness-variable <NUMBER>
```

ip igmp snooping

ip igmp snooping

Description: IP IGMP snooping settings

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp snooping
```

ip igmp snooping

Description: IP IGMP snooping settings

Command Mode: template ip igmp snooping policy : Create an IGMP snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping
```

ip igmp snooping access-group route-map leaf interface ethernet ethernet vlan

ip igmp snooping access-group route-map <WORD> leaf <WORD> interface ethernet ethernet <slot>/<port> vlan <VLAN>

Description: Encap VLAN

Syntax:

route-map	Route-Map used for filtering
WORD	route-map name (Max Size 64)
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
ethernet <slot>/<port>	Ethernet Range
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping access-group route-map <WORD> leaf <WORD> interface
 ethernet ethernet <slot>/<port> vlan <VLAN>
```

ip igmp snooping access-group route-map leaf interface port-channel vlan

ip igmp snooping access-group route-map <WORD> leaf <WORD> interface port-channel <WORD> [fex <NUMBER>] vlan <VLAN>

Description: Encap VLAN

Syntax:

route-map	Route-Map used for filtering
WORD	route-map name (Max Size 64)
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
WORD	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping access-group route-map <WORD> leaf <WORD> interface
 port-channel <WORD> [fex <NUMBER>] vlan <VLAN>
```

ip igmp snooping access-group route-map vpc context interface vpc vlan

ip igmp snooping access-group route-map <WORD> vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>

Description: Encap VLAN

Syntax:

route-map	Route-Map used for filtering
WORD	route-map name (Max Size 64)
context	VPC Context
WORD	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
WORD	VPC Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping access-group route-map <WORD> vpc context <WORD>
 <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>
```

ip igmp snooping fast-leave

ip igmp snooping fast-leave

Description: Enable IP IGMP Snooping fast leave processing

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp snooping fast-leave
```

ip igmp snooping fast-leave

Description: Enable IP IGMP Snooping fast leave processing

Command Mode: template ip igmp snooping policy : Create an IGMP snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping fast-leave
```

ip igmp snooping last-member-query-interval

ip igmp snooping last-member-query-interval <NUMBER>

Description: Change the IP IGMP snooping last member query interval param

Syntax:

<1-25>	Last Memeber Query Interval Value. Number range from=1 to=25

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp snooping last-member-query-interval <NUMBER>
```

ip igmp snooping last-member-query-interval <NUMBER>

Description: Change the IP IGMP snooping last member query interval param

Syntax:

<1-25>	Last Memeber Query Interval Value. Number range from=1 to=25

Command Mode: template ip igmp snooping policy : Create an IGMP snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping last-member-query-interval
<NUMBER>
```

ip igmp snooping policy

ip igmp snooping policy <WORD>

Description: Associate the BD with an IGMP snooping policy

Syntax:

WORD	Name of the IGMP snooping policy to attach (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp snooping policy <WORD>
```

ip igmp snooping querier

ip igmp snooping querier

Description: Enable IP IGMP Snooping querier processing

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp snooping querier
```

ip igmp snooping querier

Description: Enable IP IGMP Snooping querier processing

Command Mode: template ip igmp snooping policy : Create an IGMP snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping querier
```

ip igmp snooping query-interval

ip igmp snooping query-interval <NUMBER>

Description: Change the IP IGMP snooping query interval param

Syntax:

<1-18000>	Query Interval Value. Number range from=1 to=18000

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp snooping query-interval <NUMBER>
```

ip igmp snooping query-interval <NUMBER>

Description: Change the IP IGMP snooping query interval param

Syntax:

<1-18000>	Query Interval Value. Number range from=1 to=18000

Command Mode: template ip igmp snooping policy : Create an IGMP snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping query-interval <NUMBER>
```

ip igmp snooping query-max-response-time

ip igmp snooping query-max-response-time <NUMBER>

Description: Change the IP IGMP snooping max query response time

Syntax:

<1-25>	Query Max Response Time. Number range from=1 to=25

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp snooping query-max-response-time <NUMBER>
```

ip igmp snooping query-max-response-time <NUMBER>

Description: Change the IP IGMP snooping max query response time

Syntax:

<1-25>	Query Max Response Time. Number range from=1 to=25

Command Mode: template ip igmp snooping policy : Create an IGMP snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping query-max-response-time <NUMBER>
```

ip igmp snooping startup-query-count

ip igmp snooping startup-query-count <NUMBER>

Description: Change the IP IGMP snooping number of initial queries to send

Syntax:

<1-10>	Start Query Count. Number range from=1 to=10

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp snooping startup-query-count <NUMBER>
```

ip igmp snooping startup-query-count <NUMBER>

Description: Change the IP IGMP snooping number of initial queries to send

Syntax:

<1-10>	Start Query Count. Number range from=1 to=10

Command Mode: template ip igmp snooping policy : Create an IGMP snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping startup-query-count <NUMBER>
```

ip igmp snooping startup-query-interval

ip igmp snooping startup-query-interval <NUMBER>

Description: Change the IP IGMP snooping time for sending initial queries

Syntax:

<1-18000>	Start Query Interval Value. Number range from=1 to=18000

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp snooping startup-query-interval <NUMBER>
```

ip igmp snooping startup-query-interval <NUMBER>

Description: Change the IP IGMP snooping time for sending initial queries

Syntax:

<1-18000>	Start Query Interval Value. Number range from=1 to=18000

Command Mode: template ip igmp snooping policy : Create an IGMP snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping startup-query-interval <NUMBER>
```

ip igmp snooping static-group leaf interface ethernet ethernet vlan

ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] leaf <WORD> interface ethernet ethernet <slot>/<port> vlan <VLAN>

Description: Encap VLAN

Syntax:

A.B.C.D	IP Multicast address in format i.i.i.i
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
ethernet <slot>/<port>	Ethernet Range
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] leaf
<WORD> interface ethernet ethernet <slot>/<port> vlan <VLAN>
```

ip igmp snooping static-group leaf interface port-channel vlan

ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] leaf <WORD> interface port-channel <WORD> [fex <NUMBER>] vlan <VLAN>

Description: Encap VLAN

Syntax:

A.B.C.D	IP Multicast address in format i.i.i.i
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
WORD	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] leaf
<WORD> interface port-channel <WORD> [fex <NUMBER>] vlan <VLAN>
```

ip igmp snooping static-group vpc context interface vpc vlan

ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>

Description: Encap VLAN

Syntax:

A.B.C.D	IP Multicast address in format i.i.i.i
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
context	VPC Context
WORD	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
WORD	VPC Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] vpc
context <WORD> <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>
```

ip igmp ssm-translate

ip igmp ssm-translate <A.B.C.D/LEN> <A.B.C.D>

Description: Translate IGMPv1/v2 reports to (S,G) route entries

Syntax:

A.B.C.D/LEN	IP Multicast group range
A.B.C.D	IP Multicast address source

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip igmp ssm-translate <A.B.C.D/LEN> <A.B.C.D>
```

ip igmp startup-query-count

ip igmp startup-query-count <NUMBER>

Description: Configures number of queries sent at startup

Syntax:

<1-10>	Time in seconds. Number range from=1 to=10

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp startup-query-count <NUMBER>
```

ip igmp startup-query-count <NUMBER>

Description: Configures number of queries sent at startup

Syntax:

igmp	igmp
<1-10>	Time in seconds. Number range from=1 to=10

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp startup-query-count <NUMBER>
```

ip igmp startup-query-count <NUMBER>

Description: Configures number of queries sent at startup

Syntax:

<1-10>	Time in seconds. Number range from=1 to=10

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp startup-query-count <NUMBER>
```

ip igmp startup-query-count <NUMBER>

Description: Configures number of queries sent at startup

Syntax:

<1-10>	Time in seconds. Number range from=1 to=10

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp startup-query-count <NUMBER>
```

ip igmp startup-query-count <NUMBER>

Description: Configures number of queries sent at startup

Syntax:

<1-10>	Time in seconds. Number range from=1 to=10

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp startup-query-count <NUMBER>
```

ip igmp startup-query-count <NUMBER>

Description: Configures number of queries sent at startup

Syntax:

<1-10>	Time in seconds. Number range from=1 to=10

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp startup-query-count <NUMBER>
```

ip igmp startup-query-interval

ip igmp startup-query-interval <NUMBER>

Description: Configures query interval at startup

Syntax:

<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp startup-query-interval <NUMBER>
```

ip igmp startup-query-interval <NUMBER>

Description: Configures query interval at startup

Syntax:

igmp	igmp
<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp startup-query-interval <NUMBER>
```

ip igmp startup-query-interval <NUMBER>

Description: Configures query interval at startup

Syntax:

<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp startup-query-interval <NUMBER>
```

ip igmp startup-query-interval <NUMBER>

Description: Configures query interval at startup

Syntax:

<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp startup-query-interval <NUMBER>
```

ip igmp startup-query-interval <NUMBER>

Description: Configures query interval at startup

Syntax:

<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp startup-query-interval <NUMBER>
```

ip igmp startup-query-interval <NUMBER>

Description: Configures query interval at startup

Syntax:

<1-18000>	Time in seconds. Number range from=1 to=18000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp startup-query-interval <NUMBER>
```

ip igmp state-limit

ip igmp state-limit <NUMBER>

Description: Configures State limit

Syntax:

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp state-limit <NUMBER>
```

ip igmp state-limit <NUMBER>

Description: Configures State limit

Syntax:

igmp	igmp
<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp state-limit <NUMBER>
```

ip igmp state-limit <NUMBER>

Description: Configures State limit

Syntax:

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp state-limit <NUMBER>
```

ip igmp state-limit <NUMBER>

Description: Configures State limit

Syntax:

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp state-limit <NUMBER>
```

ip igmp state-limit <NUMBER>

Description: Configures State limit

Syntax:

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp state-limit <NUMBER>
```

ip igmp state-limit <NUMBER>

Description: Configures State limit

Syntax:

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp state-limit <NUMBER>
```

ip igmp state-limit reserved

ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>

Description: Reserve the states using route-map

Syntax:

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>
```

ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>

Description: Reserve the states using route-map

Syntax:

igmp	igmp
<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp state-limit <NUMBER> reserved <WORD>
<NUMBER>
```

ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>

Description: Reserve the states using route-map

Syntax:

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>
```

ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>

Description: Reserve the states using route-map

Syntax:

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>
```

ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>

Description: Reserve the states using route-map

Syntax:

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>
```

ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>

Description: Reserve the states using route-map

Syntax:

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>
```

ip igmp static-oif

ip igmp static-oif route-map <WORD>

Description: Configures static oif for a multicast forwarding

Syntax:

route-map	route-map
WORD	Route-map name

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp static-oif route-map <WORD>
```

ip igmp static-oif route-map <WORD>

Description: Configures static oif for a multicast forwarding

Syntax:

igmp	igmp
route-map	route-map
WORD	Route-map name

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp static-oif route-map <WORD>
```

ip igmp static-oif route-map <WORD>

Description: Configures static oif for a multicast forwarding

Syntax:

route-map	route-map
WORD	Route-map name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp static-oif route-map <WORD>
```

ip igmp static-oif route-map <WORD>

Description: Configures static oif for a multicast forwarding

Syntax:

route-map	route-map
WORD	Route-map name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp static-oif route-map <WORD>
```

ip igmp static-oif route-map <WORD>

Description: Configures static oif for a multicast forwarding

Syntax:

route-map	route-map
WORD	Route-map name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp static-oif route-map <WORD>
```

ip igmp static-oif route-map <WORD>

Description: Configures static oif for a multicast forwarding

Syntax:

route-map	route-map
WORD	Route-map name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp static-oif route-map <WORD>
```

ip igmp version

ip igmp version <arg>

Description: Configures IGMP version number for interface

Syntax:

arg	IGMP version number

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip igmp version <>
```

ip igmp version <arg>

Description: Configures IGMP version number for interface

Syntax:

igmp	igmp
arg	IGMP version number

Command Mode: template ip igmp interface-policy : Create an IGMP interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp version <>
```

ip igmp version <arg>

Description: Configures IGMP version number for interface

Syntax:

arg	IGMP version number

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp version <>
```

ip igmp version <arg>

Description: Configures IGMP version number for interface

Syntax:

arg	IGMP version number

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp version <>
```

ip igmp version <arg>

Description: Configures IGMP version number for interface

Syntax:

arg	IGMP version number

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp version <>
```

ip igmp version <arg>

Description: Configures IGMP version number for interface

Syntax:

arg	IGMP version number

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp version <>
```

ip load-sharing address source destination gtpu

ip load-sharing address source_destination gtpu

Description: Enable Gtp LoadBalancing

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# ip load-sharing address source_destination gtpu
```

ip multicast

ip multicast

Description: Enable multicast on this bridge-domain

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip multicast
```

ip next-hop-self

ip next-hop-self eigrp default

Description: Set the next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip next-hop-self eigrp default
```

ip next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip next-hop-self eigrp default
```

ip next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip next-hop-self eigrp default
```

ip next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip next-hop-self eigrp default
```

ip next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip next-hop-self eigrp default
```

ip next-hop-self eigrp default

Description: Set the next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip next-hop-self eigrp default
```

ip next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip next-hop-self eigrp default
```

ip next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip next-hop-self eigrp default
```

ip next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip next-hop-self eigrp default
```

ip next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip next-hop-self eigrp default
```

ip ospf authentication-key

ip ospf authentication-key <WORD>

Description: Set OSPF authentication key

Syntax:

WORD	OSPF authentication key

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf authentication-key <WORD>
```

ip ospf authentication-key <WORD>

Description: Set OSPF authentication key

Syntax:

WORD	OSPF authentication key

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf authentication-key <WORD>
```

ip ospf authentication-key <WORD>

Description: Set OSPF authentication key

Syntax:

WORD	OSPF authentication key

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf authentication-key <WORD>
```

ip ospf authentication-key <WORD>

Description: Set OSPF authentication key

Syntax:

WORD	OSPF authentication key

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf authentication-key <WORD>
```

ip ospf authentication-key <WORD>

Description: Set OSPF authentication key

Syntax:

WORD	OSPF authentication key

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf authentication-key <WORD>
```

ip ospf authentication-key <WORD>

Description: Set OSPF authentication key

Syntax:

WORD	OSPF authentication key

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf authentication-key <WORD>
```

ip ospf authentication-key <WORD>

Description: Set OSPF authentication key

Syntax:

WORD	OSPF authentication key

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf authentication-key <WORD>
```

ip ospf authentication-key <WORD>

Description: Set OSPF authentication key

Syntax:

WORD	OSPF authentication key

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf authentication-key <WORD>
```

ip ospf authentication

ip ospf authentication md5|none|simple

Description: Set the OSPF authentication type

Syntax:

md5	MD5 authentication
none	No authentication
simple	Simple authentication

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf authentication md5|none|simple
```

ip ospf authentication md5|none|simple

Description: Set the OSPF authentication type

Syntax:

md5	MD5 authentication
none	No authentication
simple	Simple authentication

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf authentication md5|none|simple
```

ip ospf authentication md5|none|simple

Description: Set the OSPF authentication type

Syntax:

md5	MD5 authentication
none	No authentication

simple	Simple authentication

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf authentication md5|none|simple
```

ip ospf authentication md5|none|simple

Description: Set the OSPF authentication type

Syntax:

md5	MD5 authentication
none	No authentication
simple	Simple authentication

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf authentication md5|none|simple
```

ip ospf authentication md5|none|simple

Description: Set the OSPF authentication type

Syntax:

md5	MD5 authentication
none	No authentication
simple	Simple authentication

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf authentication md5|none|simple
```

ip ospf authentication md5|none|simple

Description: Set the OSPF authentication type

Syntax:

md5	MD5 authentication
none	No authentication
simple	Simple authentication

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf authentication md5|none|simple
```

ip ospf authentication md5|none|simple

Description: Set the OSPF authentication type

Syntax:

md5	MD5 authentication
none	No authentication
simple	Simple authentication

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf authentication md5|none|simple
```

ip ospf authentication md5|none|simple

Description: Set the OSPF authentication type

Syntax:

md5	MD5 authentication
none	No authentication
simple	Simple authentication

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf authentication md5|none|simple
```

ip ospf bfd

ip ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf bfd enable
```

ip ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf bfd enable
```

ip ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf bfd enable
```

ip ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf bfd enable
```

ip ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf bfd enable
```

ip ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf bfd enable
```

ip ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf bfd enable
```

ip ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf bfd enable
```

ip ospf cost

ip ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf cost <NUMBER>
```

ip ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf cost <NUMBER>
```

ip ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf cost <NUMBER>
```

ip ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf cost <NUMBER>
```

ip ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf cost <NUMBER>
```

ip ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf cost <NUMBER>
```

ip ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf cost <NUMBER>
```

ip ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf cost <NUMBER>
```

ip ospf dead-interval

ip ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

ip ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

ip ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

ip ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf dead-interval <NUMBER>
```

ip ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

ip ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
```

```
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

ip ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

ip ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf dead-interval <NUMBER>
```

ip ospf hello-interval

ip ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

ip ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

ip ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

ip ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf hello-interval <NUMBER>
```

ip ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

ip ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

ip ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

ip ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf hello-interval <NUMBER>
```

ip ospf inherit

ip ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

ip ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

ip ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

ip ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf inherit interface-policy <WORD>
```

ip ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

ip ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

ip ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

ip ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf inherit interface-policy <WORD>
```

ip ospf mtu-ignore

ip ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf mtu-ignore
```

ip ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf mtu-ignore
```

ip ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf mtu-ignore
```

ip ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

```
(virtual-interface-profile)# ip ospf mtu-ignore
```

ip ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf mtu-ignore
```

ip ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf mtu-ignore
```

ip ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf mtu-ignore
```

ip ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf mtu-ignore
```

ip ospf network

ip ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

ip ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

ip ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

ip ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf network bcast|p2p|unspecified
```

ip ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

ip ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

ip ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

ip ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf network bcast|p2p|unspecified
```

ip ospf passive-interface

ip ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf passive-interface
```

ip ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf passive-interface
```

ip ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf passive-interface
```

ip ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

```
(virtual-interface-profile)# ip ospf passive-interface
```

ip ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf passive-interface
```

ip ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf passive-interface
```

ip ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf passive-interface
```

ip ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf passive-interface
```

ip ospf prefix-suppression

ip ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

ip ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

ip ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.

| *inherit* | The OSPF interface prefix suppression. |

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

ip ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf prefix-suppression disable|enable|inherit
```

ip ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

ip ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

ip ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

ip ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf prefix-suppression disable|enable|inherit
```

ip ospf priority

ip ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf priority <NUMBER>
```

ip ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf priority <NUMBER>
```

ip ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf priority <NUMBER>
```

ip ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf priority <NUMBER>
```

ip ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf priority <NUMBER>
```

ip ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf priority <NUMBER>
```

ip ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf priority <NUMBER>
```

ip ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf priority <NUMBER>
```

ip ospf retransmit-interval

ip ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

ip ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

ip ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

ip ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

| *<1-65535>* | Interval in seconds. Number range from=1 to=65535 |

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf retransmit-interval <NUMBER>
```

ip ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

| *<1-65535>* | Interval in seconds. Number range from=1 to=65535 |

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

ip ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

| *<1-65535>* | Interval in seconds. Number range from=1 to=65535 |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

ip ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

ip ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf retransmit-interval <NUMBER>
```

ip ospf transmit-delay

ip ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

ip ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

ip ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

ip ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf transmit-delay <NUMBER>
```

ip ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

ip ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

ip ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

ip ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip ospf transmit-delay <NUMBER>
```

ip passive-interface

ip passive-interface eigrp default

Description: Set the passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip passive-interface eigrp default
```

ip passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip passive-interface eigrp default
```

ip passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip passive-interface eigrp default
```

ip passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip passive-interface eigrp default
```

ip passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip passive-interface eigrp default
```

ip passive-interface eigrp default

Description: Set the passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip passive-interface eigrp default
```

ip passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip passive-interface eigrp default
```

ip passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip passive-interface eigrp default
```

ip passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip passive-interface eigrp default
```

ip passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip passive-interface eigrp default
```

ip pim

ip pim

Description: Enable PIM

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim
```

ip pim

Description: Enable PIM

Command Mode: l3out : Configuration for L3Out

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# ip pim
```

ip pim auto-rp forward

ip pim auto-rp forward listen

Description: Forward Auto-RP messages

Syntax:

listen	Listen to Auto-RP messages

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim auto-rp forward listen
```

ip pim auto-rp listen

ip pim auto-rp listen forward

Description: Listen to Auto-RP messages

Syntax:

forward	Forward Auto-RP messages

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim auto-rp listen forward
```

ip pim auto-rp mapping-agent-policy

ip pim auto-rp mapping-agent-policy <WORD>

Description: Associate route-map policy for filtering Mapping Agent messages

Syntax:

WORD	Route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim auto-rp mapping-agent-policy <WORD>
```

ip pim border

ip pim border

Description: Configures interface to be a boundary of a PIM domain

Syntax:

pim	pim

Command Mode: template ip pim interface-policy : Create a PIM interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim border
```

ip pim border

Description: Configures interface to be a boundary of a PIM domain

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim border
```

ip pim border

Description: Configures interface to be a boundary of a PIM domain

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim border
```

ip pim border

Description: Configures interface to be a boundary of a PIM domain

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim border
```

ip pim border

Description: Configures interface to be a boundary of a PIM domain

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim border
```

ip pim bsr bsr-policy

ip pim bsr bsr-policy <WORD>

Description: Associate route-map policy for filtering BSR messages

Syntax:

WORD	Route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim bsr bsr-policy <WORD>
```

ip pim bsr forward

ip pim bsr forward listen

Description: Forward Bootstrap/Candidate-RP messages

Syntax:

listen	Listen to Bootstrap/Candidate-RP messages

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim bsr forward listen
```

ip pim bsr listen

ip pim bsr listen forward

Description: Listen to Bootstrap/Candidate-RP messages

Syntax:

forward	Forward Bootstrap/Candidate-RP messages

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim bsr listen forward
```

ip pim dr-delay

ip pim dr-delay <NUMBER>

Description: Configures delay for PIM DR election on interface

Syntax:

pim	pim
<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535

Command Mode: template ip pim interface-policy : Create a PIM interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim dr-delay <NUMBER>
```

ip pim dr-delay <NUMBER>

Description: Configures delay for PIM DR election on interface

Syntax:

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim dr-delay <NUMBER>
```

ip pim dr-delay <NUMBER>

Description: Configures delay for PIM DR election on interface

Syntax:

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip pim dr-delay <NUMBER>
```

ip pim dr-delay <NUMBER>

Description: Configures delay for PIM DR election on interface

Syntax:

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim dr-delay <NUMBER>
```

ip pim dr-delay <NUMBER>

Description: Configures delay for PIM DR election on interface

Syntax:

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim dr-delay <NUMBER>
```

ip pim dr-priority

ip pim dr-priority <NUMBER>

Description: Configures priority for PIM DR election on interface

Syntax:

pim	pim
<1-4294967295>	DR priority. Number range from=1 to=4294967295

Command Mode: template ip pim interface-policy : Create a PIM interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim dr-priority <NUMBER>
```

ip pim dr-priority <NUMBER>

Description: Configures priority for PIM DR election on interface

Syntax:

<1-4294967295>	DR priority. Number range from=1 to=4294967295

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim dr-priority <NUMBER>
```

ip pim dr-priority <NUMBER>

Description: Configures priority for PIM DR election on interface

Syntax:

<1-4294967295>	DR priority. Number range from=1 to=4294967295

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip pim dr-priority <NUMBER>
```

ip pim dr-priority <NUMBER>

Description: Configures priority for PIM DR election on interface

Syntax:

<1-4294967295>	DR priority. Number range from=1 to=4294967295

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim dr-priority <NUMBER>
```

ip pim dr-priority <NUMBER>

Description: Configures priority for PIM DR election on interface

Syntax:

<1-4294967295>	DR priority. Number range from=1 to=4294967295

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim dr-priority <NUMBER>
```

ip pim fabric-rp-address

ip pim fabric-rp-address <A.B.C.D> [route-map <WORD>]

Description: Configure fabric RP for group range

Syntax:

A.B.C.D	IP address in format A.B.C.D
WORD	(Optional) route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim fabric-rp-address <A.B.C.D> [route-map <WORD>]
```

ip pim fast-convergence

ip pim fast-convergence

Description: Set PIM fast convergence

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim fast-convergence
```

ip pim hello-authentication

ip pim hello-authentication ah-md5 <WORD>

Description: Add AH header option to Hellos

Syntax:

pim	pim
ah-md5	MD5 authentication
WORD	PIM hello authentication key

Command Mode: template ip pim interface-policy : Create a PIM interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim hello-authentication ah-md5 <WORD>
```

ip pim hello-authentication ah-md5 <WORD>

Description: Add AH header option to Hellos

Syntax:

ah-md5	MD5 authentication
WORD	PIM hello authentication key

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim hello-authentication ah-md5 <WORD>
```

ip pim hello-authentication ah-md5 <WORD>

Description: Add AH header option to Hellos

Syntax:

ah-md5	MD5 authentication
WORD	PIM hello authentication key

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim hello-authentication ah-md5 <WORD>
```

ip pim hello-authentication ah-md5 <WORD>

Description: Add AH header option to Hellos

Syntax:

ah-md5	MD5 authentication
WORD	PIM hello authentication key

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim hello-authentication ah-md5 <WORD>
```

ip pim hello-authentication ah-md5 <WORD>

Description: Add AH header option to Hellos

Syntax:

ah-md5	MD5 authentication
WORD	PIM hello authentication key

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim hello-authentication ah-md5 <WORD>
```

ip pim hello-interval

ip pim hello-interval **<NUMBER>**

Description: Configures the Hello interval for the interface

Syntax:

pim	pim
<1-18724286>	Hello Interval Value. Number range from=1 to=18724286

Command Mode: template ip pim interface-policy : Create a PIM interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim hello-interval <NUMBER>
```

ip pim hello-interval **<NUMBER>**

Description: Configures the Hello interval for the interface

Syntax:

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim hello-interval <NUMBER>
```

ip pim hello-interval **<NUMBER>**

Description: Configures the Hello interval for the interface

Syntax:

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip pim hello-interval <NUMBER>
```

ip pim hello-interval <NUMBER>

Description: Configures the Hello interval for the interface

Syntax:

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim hello-interval <NUMBER>
```

ip pim hello-interval <NUMBER>

Description: Configures the Hello interval for the interface

Syntax:

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim hello-interval <NUMBER>
```

ip pim inherit

ip pim inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a PIM interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	PIM inteface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim inherit interface-policy <WORD> [tenant <WORD>]
```

ip pim inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a PIM interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	PIM inteface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim inherit interface-policy <WORD> [tenant <WORD>]
```

ip pim inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a PIM interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	PIM inteface policy name (Max Size 64)

WORD	(Optional) Tenant where policy is defined

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim inherit interface-policy <WORD> [tenant <WORD>]
```

ip pim inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a PIM interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	PIM inteface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim inherit interface-policy <WORD> [tenant <WORD>]
```

ip pim inter-vrf-src

ip pim inter-vrf-src <WORD> <WORD> [route-map <WORD>]

Description: Configure intervrf leaking for group range

Syntax:

WORD	Tenant name (Max Size 63)
WORD	VRF name (Max Size 64)
WORD	(Optional) route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim inter-vrf-src <WORD> <WORD> [route-map <WORD>]
```

ip pim jp-interval

ip pim jp-interval <NUMBER>

Description: Configures the Join-Prune interval for the interface

Syntax:

pim	pim
<60-65520>	JP Interval Value. Number range from=60 to=65520

Command Mode: template ip pim interface-policy : Create a PIM interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim jp-interval <NUMBER>
```

ip pim jp-interval <NUMBER>

Description: Configures the Join-Prune interval for the interface

Syntax:

<60-65520>	JP Interval Value. Number range from=60 to=65520

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim jp-interval <NUMBER>
```

ip pim jp-interval <NUMBER>

Description: Configures the Join-Prune interval for the interface

Syntax:

<60-65520>	JP Interval Value. Number range from=60 to=65520

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip pim jp-interval <NUMBER>
```

ip pim jp-interval <NUMBER>

Description: Configures the Join-Prune interval for the interface

Syntax:

<60-65520>	JP Interval Value. Number range from=60 to=65520

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim jp-interval <NUMBER>
```

ip pim jp-interval <NUMBER>

Description: Configures the Join-Prune interval for the interface

Syntax:

<60-65520>	JP Interval Value. Number range from=60 to=65520

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim jp-interval <NUMBER>
```

ip pim jp-policy

ip pim jp-policy <WORD> in|out

Description: Specify policy for receiving Join-Prune messages

Syntax:

pim	pim
WORD	Route-map name
in	in
out	out

Command Mode: template ip pim interface-policy : Create a PIM interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim jp-policy <WORD> in|out
```

ip pim jp-policy <WORD> in|out

Description: Specify policy for receiving Join-Prune messages

Syntax:

WORD	Route-map name
in	in
out	out

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim jp-policy <WORD> in|out
```

ip pim jp-policy <WORD> in|out

Description: Specify policy for receiving Join-Prune messages

Syntax:

WORD	Route-map name

in	in
out	out

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim jp-policy <WORD> in|out
```

ip pim jp-policy <WORD> in|out

Description: Specify policy for receiving Join-Prune messages

Syntax:

WORD	Route-map name
in	in
out	out

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim jp-policy <WORD> in|out
```

ip pim jp-policy <WORD> in|out

Description: Specify policy for receiving Join-Prune messages

Syntax:

WORD	Route-map name
in	in
out	out

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim jp-policy <WORD> in|out
```

ip pim mtu

ip pim mtu <NUMBER>

Description: Set PIM MTU size

Syntax:

| *<1500-65536>* | MTU size in bytes. Number range from=1500 to=65536 |

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim mtu <NUMBER>
```

ip pim neighbor-policy

ip pim neighbor-policy <WORD>

Description: Configures a neighbor policy for filtering adjacencies

Syntax:

pim	pim
WORD	Route-map name

Command Mode: template ip pim interface-policy : Create a PIM interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim neighbor-policy <WORD>
```

ip pim neighbor-policy <WORD>

Description: Configures a neighbor policy for filtering adjacencies

Syntax:

WORD	Route-map name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim neighbor-policy <WORD>
```

ip pim neighbor-policy <WORD>

Description: Configures a neighbor policy for filtering adjacencies

Syntax:

WORD	Route-map name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip pim neighbor-policy <WORD>
```

ip pim neighbor-policy <WORD>

Description: Configures a neighbor policy for filtering adjacencies

Syntax:

WORD	Route-map name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim neighbor-policy <WORD>
```

ip pim neighbor-policy <WORD>

Description: Configures a neighbor policy for filtering adjacencies

Syntax:

WORD	Route-map name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim neighbor-policy <WORD>
```

ip pim passive

ip pim passive

Description: Configures interface to be a passive interface

Syntax:

pim	pim

Command Mode: template ip pim interface-policy : Create a PIM interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim passive
```

ip pim passive

Description: Configures interface to be a passive interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim passive
```

ip pim passive

Description: Configures interface to be a passive interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim passive
```

ip pim passive

Description: Configures interface to be a passive interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim passive
```

ip pim passive

Description: Configures interface to be a passive interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim passive
```

ip pim register-rate-limit

ip pim register-rate-limit <NUMBER>

Description: Rate limit for PIM data registers

Syntax:

<1-65535>	Max number of packets per second. Number range from=1 to=65535

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim register-rate-limit <NUMBER>
```

ip pim register-source

ip pim register-source <A.B.C.D>

Description: Configure source address for Register messages

Syntax:

A.B.C.D	Source IP address in format A.B.C.D

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim register-source <A.B.C.D>
```

ip pim rp-address

ip pim rp-address <A.B.C.D> [route-map <WORD>]

Description: Configure static RP for group range

Syntax:

A.B.C.D	IP address in format A.B.C.D
WORD	(Optional) route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim rp-address <A.B.C.D> [route-map <WORD>]
```

ip pim sg-expiry-timer

ip pim sg-expiry-timer <NUMBER> [sg-list <WORD>]

Description: Adjust expiry time for PIM ASM (S,G) routes

Syntax:

<180-604801>	Expiry timer interval in seconds. Number range from=180 to=604801
WORD	(Optional) Route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim sg-expiry-timer <NUMBER> [sg-list <WORD>]
```

ip pim sparse

ip pim sparse

Description: Enable PIM on this interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim sparse
```

ip pim sparse

Description: Enable PIM on this interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim sparse
```

ip pim sparse

Description: Enable PIM on this interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim sparse
```

ip pim sparse

Description: Enable PIM on this interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim sparse
```

ip pim ssm route-map

ip pim ssm route-map <WORD>

Description: Associate route-map policy for SSM range

Syntax:

WORD	Route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim ssm route-map <WORD>
```

ip pim state-limit

ip pim state-limit <NUMBER>

Description: Configure maximum state entries

Syntax:

<1-4294967295>	Maximum state entries. Number range from=1 to=4294967295

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim state-limit <NUMBER>
```

ip pim state-limit reserved

ip pim state-limit <NUMBER> reserved <WORD> <NUMBER>

Description: Configure maximum state entries

Syntax:

<1-4294967295>	Maximum state entries. Number range from=1 to=4294967295
WORD	route-map name
<0-4294967295>	Maximum reserve state entries. Number range from=0 to=4294967295

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim state-limit <NUMBER> reserved <WORD> <NUMBER>
```

ip pim strict-rfc-compliant

ip pim strict-rfc-compliant

Description: Set PIM RFC Compliant

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim strict-rfc-compliant
```

ip pim strict-rfc-compliant

Description: Set PIM RFC Compliant

Syntax:

pim	pim

Command Mode: template ip pim interface-policy : Create a PIM interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim strict-rfc-compliant
```

ip pim strict-rfc-compliant

Description: Set PIM RFC Compliant

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim strict-rfc-compliant
```

ip pim strict-rfc-compliant

Description: Set PIM RFC Compliant

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim strict-rfc-compliant
```

ip pim strict-rfc-compliant

Description: Set PIM RFC Compliant

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim strict-rfc-compliant
```

ip pim strict-rfc-compliant

Description: Set PIM RFC Compliant

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim strict-rfc-compliant
```

ip pim use-shared-tree-only

ip pim use-shared-tree-only group-list <WORD>

Description: Use (*,G) only state, no source state is created

Syntax:

group-list	group list
WORD	Route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim use-shared-tree-only group-list <WORD>
```

ip prefix-list

ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN>

Description: Build a prefix-list

Syntax:

WORD	Name of prefix-list (Max Size 64)
permit	Specify routes to forward
A.B.C.D/LEN | A:B::C:D/LEN	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN>
```

ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN>

Description: Build a prefix-list

Syntax:

WORD	Name of prefix-list (Max Size 64)
permit	Specify routes to forward
A.B.C.D/LEN | A:B::C:D/LEN	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN>
```

ip prefix-list permit le

ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>

Description: Maximum prefix length to be matched

Syntax:

WORD	Name of prefix-list (Max Size 64)
permit	Specify routes to forward
*A.B.C.D/LEN	A:B::C:D/LEN*	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64
32	Maximum prefix length

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN> le
<32>
```

ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>

Description: Maximum prefix length to be matched

Syntax:

WORD	Name of prefix-list (Max Size 64)
permit	Specify routes to forward
*A.B.C.D/LEN	A:B::C:D/LEN*	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64
32	Maximum prefix length

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN> le
<32>
```

ip prefix

ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN>

Description: IP prefix for route match

Syntax:

permit	Specify routes to forward
*A.B.C.D/LEN	A:B::C:D/LEN*	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route group <WORD> tenant <WORD>
(config-route-group)# ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN>
```

ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN>

Description: IP prefix for route match

Syntax:

permit	Specify routes to forward
*A.B.C.D/LEN	A:B::C:D/LEN*	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route group <WORD> tenant <WORD>
(config-route-group)# ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN>
```

ip prefix permit le

ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>

Description: Maximum prefix length to be matched

Syntax:

permit	Specify routes to forward
*A.B.C.D/LEN	A:B::C:D/LEN*	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64
32	Maximum prefix length

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route group <WORD> tenant <WORD>
(config-route-group)# ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>
```

ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>

Description: Maximum prefix length to be matched

Syntax:

permit	Specify routes to forward
*A.B.C.D/LEN	A:B::C:D/LEN*	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64
32	Maximum prefix length

Command Mode: template route group : Configure Route Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route group <WORD> tenant <WORD>
(config-route-group)# ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>
```

ip router eigrp authentication enable

ip router eigrp authentication enable

Description: Associate the keychain policy with an EIGRP interface

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip router eigrp authentication enable
```

ip router eigrp authentication enable

Description: Enable EIGRP authentication

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip router eigrp authentication enable
```

ip router eigrp authentication enable

Description: Enable EIGRP authentication

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router eigrp authentication enable
```

ip router eigrp authentication enable

Description: Associate the keychain policy with an EIGRP interface

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

```
(virtual-interface-profile)# ip router eigrp authentication enable
```

ip router eigrp authentication enable

Description: Associate the keychain policy with an EIGRP interface

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip router eigrp authentication enable
```

ip router eigrp authentication enable

Description: Enable EIGRP authentication

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip router eigrp authentication enable
```

ip router eigrp authentication enable

Description: Enable EIGRP authentication

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router eigrp authentication enable
```

ip router eigrp authentication enable

Description: Associate the keychain policy with an EIGRP interface

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip router eigrp authentication enable
```

ip router eigrp authentication keychain-policy

ip router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip router eigrp authentication keychain-policy <WORD>
```

ip router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip router eigrp authentication keychain-policy <WORD>
```

ip router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router eigrp authentication keychain-policy <WORD>
```

ip router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip router eigrp authentication keychain-policy <WORD>
```

ip router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip router eigrp authentication keychain-policy <WORD>
```

ip router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip router eigrp authentication keychain-policy <WORD>
```

ip router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router eigrp authentication keychain-policy <WORD>
```

ip router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip router eigrp authentication keychain-policy <WORD>
```

ip router eigrp default

ip router eigrp default

Description: Configure Router EIGRP Policies

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip router eigrp default
```

ip router eigrp default

Description: Configure EIGRP default interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip router eigrp default
```

ip router eigrp default

Description: Configure EIGRP default interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router eigrp default
```

ip router eigrp default

Description: Configure Router EIGRP Policies

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

```
(virtual-interface-profile)# ip router eigrp default
```

ip router eigrp default

Description: Configure Router EIGRP Policies

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip router eigrp default
```

ip router eigrp default

Description: Configure EIGRP default interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip router eigrp default
```

ip router eigrp default

Description: Configure EIGRP default interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router eigrp default
```

ip router eigrp default

Description: Configure Router EIGRP Policies

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip router eigrp default
```

ip router ospf

ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>

Description: OSPF configuration commands

Syntax:

default	Process tag for default ospf and ospfv3
multipod-internal	Process tag for multipod-internal ospf (used for forwarding traffic from local leaf across pod to remote leaf in remote pod
area	Area associated with interface
A.B.C.D|NUMBER	OSPF area Id

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>
```

ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>

Description: OSPF configuration commands

Syntax:

default	Process tag for default ospf and ospfv3
multipod-internal	Process tag for multipod-internal ospf (used for forwarding traffic from local leaf across pod to remote leaf in remote pod
area	Area associated with interface
A.B.C.D|NUMBER	OSPF area Id

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>
```

ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>

Description: OSPF configuration commands

Syntax:

default	Process tag for default ospf and ospfv3
multipod-internal	Process tag for multipod-internal ospf (used for forwarding traffic from local leaf across pod to remote leaf in remote pod
area	Area associated with interface
A.B.C.D/NUMBER	OSPF area Id

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>
```

ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>

Description: OSPF configuration commands

Syntax:

default	Process tag for default ospf and ospfv3
multipod-internal	Process tag for multipod-internal ospf (used for forwarding traffic from local leaf across pod to remote leaf in remote pod
area	Area associated with interface
A.B.C.D/NUMBER	OSPF area Id

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>
```

ip router ospf default

ip router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with interface
A.B.C.D/NUMBER	OSPF area Id

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip router ospf default area <A.B.C.D|NUMBER>
```

ip router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with l3out deploying this vlifp
A.B.C.D/NUMBER	OSPF area Id

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip router ospf default area <A.B.C.D|NUMBER>
```

ip router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with interface
A.B.C.D/NUMBER	OSPF area Id

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip router ospf default area <A.B.C.D|NUMBER>
```

ip router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with l3out deploying this vlifp
A.B.C.D/NUMBER	OSPF area Id

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip router ospf default area <A.B.C.D|NUMBER>
```

ip shared address consumer

ip shared address <A.B.C.D/LEN> consumer application any epg any

Description: Shared consumed service

Syntax:

address	IPv4 subnet
A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
application	application keyword
any	any application
epg	epg keyword
any	any EPG

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip shared address <A.B.C.D/LEN> consumer application any epg any
```

ip shared address provider

ip shared address <A.B.C.D/LEN> provider application <WORD> epg <WORD> [scope <scope>]

Description: Shared provider service

Syntax:

address	IPv4 subnet
A.B.C.D/LEN	IP prefix and network mask length in format x.x.x.x/m
application	application keyword
WORD	Application Name (Max Size 64)
epg	epg keyword
WORD	Application EPG (Max Size 64)
scope	(Optional) Scope of the address among ['public']

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ip shared address <A.B.C.D/LEN> provider application <WORD> epg
 <WORD> [scope <scope>]
```

ip split-horizon

ip split-horizon eigrp default

Description: Set the split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip split-horizon eigrp default
```

ip split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip split-horizon eigrp default
```

ip split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip split-horizon eigrp default
```

ip split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip split-horizon eigrp default
```

ip split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip split-horizon eigrp default
```

ip split-horizon eigrp default

Description: Set the split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip split-horizon eigrp default
```

ip split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip split-horizon eigrp default
```

ip split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip split-horizon eigrp default
```

ip split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip split-horizon eigrp default
```

ip split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip split-horizon eigrp default
```

ip summary-address eigrp

ip summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summary IPV4 address (e.g. 10.0.0.0/8)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

ip summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summary IPV4 address (e.g. 10.0.0.0/8)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

ip summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summary IPV4 address (e.g. 10.0.0.0/8)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

ip summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summary IPV4 address (e.g. 10.0.0.0/8)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

ip summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summary IPV4 address (e.g. 10.0.0.0/8)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

ip summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summary IPV4 address (e.g. 10.0.0.0/8)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

ip throughput-delay

ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: template eigrp interface-policy : Configure EIGRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance

<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ip ttl

ip ttl <ttl>

Description: TTL

Syntax:

ttl	ttl value. Number range from=1 to=255

Command Mode: destination tenant : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-access-dest)# ip ttl <ttl>
```

ip ttl <ttl>

Description: TTL

Syntax:

ttl	ttl value. Number range from=1 to=255

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-fabric-dest)# ip ttl <ttl>
```

ip ttl <arg>

Description: TTL

Syntax:

arg	ttl value. Number range from=1 to=255

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
```

```
(config-monitor-tenant-dest)# ip ttl <>
```

ip ttl <arg>

Description: Configure TTL

Syntax:

arg	TTL value. Number range from=1 to=255

Command Mode: destination destip : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# destination destip <A.B.C.D>
(config-monitor-virtual-remote-dest)# ip ttl <>
```

ipdataplanelearning

ipdataplanelearning disabled

Description: Disable ipDataPlaneLearning Vrf Knob

Syntax:

disabled	Disable ipDataPlaneLearning Vrf Knob

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipdataplanelearning disabled
```

ipobtainmode

ipobtainmode learn|admin|autoconfig

Description: Mode to obtain Virtual IP Address

Syntax:

learn	learn IP from HSRP peer
admin	Address is configured
autoconfig	Auto configure ipv6 address

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ipobtainmode learn|admin|autoconfig
```

ipobtainmode learn|admin|autoconfig

Description: Mode to obtain Virtual IP Address

Syntax:

learn	learn IP from HSRP peer
admin	Address is configured
autoconfig	Auto configure ipv6 address

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ipobtainmode learn|admin|autoconfig
```

ipobtainmode learn|admin|autoconfig

Description: Mode to obtain Virtual IP Address

Syntax:

learn	learn IP from HSRP peer

admin	Address is configured
autoconfig	Auto configure ipv6 address

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ipobtainmode learn|admin|autoconfig
```

ipobtainmode learn|admin|autoconfig

Description: Mode to obtain Virtual IP Address

Syntax:

learn	learn IP from HSRP peer
admin	Address is configured
autoconfig	Auto configure ipv6 address

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ipobtainmode learn|admin|autoconfig
```

iprange

iprange <startip> <endip>

Description: Add ip pool

Syntax:

startip	startip
endip	endip

Command Mode: microsoft : Configure static IP pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# microsoft static-ip-pool <name> gateway <gwAddress>
(config-tenant-app-epg-ms-ip-pool)# iprange <startip> <endip>
```

ipsla-monpol

ipsla-monpol <ipsla-monpol>

Description: Select IPSLA monitoring policy

Syntax:

ipsla-monpol	Select IPSLA monitoring policy

Command Mode: track-member : Configure TrackMember

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# track-member <WORD> [dst-IpAddr <dst-IpAddr>] [l3-out <l3-out>]
(config-track-member)# ipsla-monpol <ipsla-monpol>
```

ipsla-pol

ipsla-pol <WORD>

Description: Configure IPSLA Monitoring Policy

Syntax:

WORD	IP SLA Monitoring Policy Name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# ipsla-pol <WORD>
```

ipv6-l3-unknown-multicast

ipv6-l3-unknown-multicast <WORD>

Description: Change IPV6 L3 Unknown Multicast flood behavior

Syntax:

WORD	IPV6 Multicast unknown Frame handling

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# ipv6-l3-unknown-multicast <WORD>
```

ipv6-router

ipv6-router

Description: Config IPv6 router in trust control policy

Command Mode: trust-control : Configuration for trust control policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# trust-control <WORD>
(config-tenant-fhs-trustctrl)# ipv6-router
```

ipv6

ipv6 route <A:B::C:D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>

Description: Configure IPv6 features

Syntax:

route	Configure IPv6 unicast static route
A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
ipAddress/null	
<ZeroorPref>	
<BfdorPref>	

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# ipv6 route <A:B::C:D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>
```

ipv6 route <A:B::C:D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>

Description: Configure IPv6 features

Syntax:

route	Configure IPv6 unicast static route
A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
ipAddress/null	
<ZeroorPref>	
<BfdorPref>	

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# ipv6 route <A:B::C:D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>
```

ipv6 address-range

ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>

Description: Configure IPv6 Address Range

Syntax:

A:B:C::X/LEN	IPv6 address and network mask length
gateway	Configure gateway address on interface
A:B:C:X	Gateway IPv6 address

Command Mode: interface mgmt0 : Out of band management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
(config-controller-if)# ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>
```

ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>

Description: Configure IPv6 Address Range

Syntax:

A:B:C::X/LEN	IPv6 address and network mask length
gateway	Configure gateway address on interface
A:B:C:X	Gateway IPv6 address

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>
```

ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>

Description: Configure IPv6 Address Range

Syntax:

| *A:B:C::X/LEN* | IPv6 address and network mask length |
| gateway | Configure gateway address on interface |

| A:B:C:X | Gateway IPv6 address |

Command Mode: interface mgmt0 : Out of band management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
(config-switch-if)# ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>
```

ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>

Description: Configure IPv6 Address Range

Syntax:

A:B:C::X/LEN	IPv6 address and network mask length
gateway	Configure gateway address on interface
A:B:C:X	Gateway IPv6 address

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
(config-switch-if)# ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>
```

ipv6 address

ipv6 address <A:B::C:D/LEN> [scope <scope>] [preferred] [suppress-nd] [eui64] [snooping-querier]

Description: Define an IPv6 subnet to be exported by the BD

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
scope	(Optional) Scope of the address among ['public', 'private']
preferred	(Optional) Set the address as preferred address
suppress-nd	(Optional) Suppress the Neighbor Discovery on this subnet
eui64	(Optional) Use eui64 interface identifier
snooping-querier	(Optional) Tell the address to be used by MLD Snooping querier functionality if enabled

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 address <A:B::C:D/LEN> [scope <scope>] [preferred]
[suppress-nd] [eui64] [snooping-querier]
```

ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]

Description: Configure IPv6 address on interface

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
```

```
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]

Description: Configure IPv6 address on interface

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]

Description: Configure IPv6 address on interface

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

ipv6 address <A:B::C:D/LEN>

Description: Configure IPv6 address on interface

Syntax:

| A:B::C:D/LEN | IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128 |

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 address <A:B::C:D/LEN>
```

ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]

Description: Configure IPv6 address on interface

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]

Description: Configure IPv6 address on interface

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]

Description: Configure IPv6 address on interface

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

ipv6 address <A:B::C:D/LEN>

Description: Configure IPv6 address on interface

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 address <A:B::C:D/LEN>
```

ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>

Description: Configure IP and gateway features

Syntax:

A:B:C::X/LEN	IPv6 address and network mask length

gateway	Configure gateway address on interface
A:B:C::X	Gateway IPv6 address

Command Mode: interface mgmt0 : Out of band management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
(config-controller-if)# ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>
```

ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>

Description: Configure IPv6 Address and Gateway

Syntax:

A:B:C::X/LEN	IPv6 address and network mask length
gateway	Configure gateway address on interface
A:B:C::X	Gateway IPv6 address

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>
```

ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>

Description: Configure IP and gateway features

Syntax:

A:B:C::X/LEN	IPv6 address and network mask length
gateway	Configure gateway address on interface
A:B:C::X	Gateway IPv6 address

Command Mode: interface mgmt0 : Out of band management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
(config-switch-if)# ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>
```

ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>

Description: Configure IPv6 Address and Gateway

Syntax:

A:B:C::X/LEN	IPv6 address and network mask length
gateway	Configure gateway address on interface
A:B:C::X	Gateway IPv6 address

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
(config-switch-if)# ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>
```

ipv6 address tenant application

ipv6 address <A:B::C:D> tenant <WORD> application <WORD> epg <WORD>

Description: Add a new server relay address under an AEPg

Syntax:

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
WORD	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
WORD	AEPg behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> application <WORD> epg
 <WORD>
```

ipv6 address <A:B::C:D> tenant <WORD> application <WORD> epg <WORD>

Description: Add a new server relay address under an AEPg

Syntax:

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
WORD	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
WORD	AEPg behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
```

```
(config-tenant-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> application
<WORD> epg <WORD>
```

ipv6 address tenant external-l2

ipv6 address <A:B::C:D> tenant <WORD> external-l2 epg <WORD>

Description: Add a new server relay address under a L2 External EPG

Syntax:

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
WORD	l2 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> external-l2 epg <WORD>
```

ipv6 address <A:B::C:D> tenant <WORD> external-l2 epg <WORD>

Description: Add a new server relay address under a L2 External EPG

Syntax:

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
WORD	l2 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
(config-tenant-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> external-l2 epg
 <WORD>
```

ipv6 address tenant external-l3

ipv6 address <A:B::C:D> tenant <WORD> external-l3 epg <WORD>

Description: Add a new server relay address under a L3 External EPG

Syntax:

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
WORD	l3 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> external-l3 epg <WORD>
```

ipv6 address <A:B::C:D> tenant <WORD> external-l3 epg <WORD>

Description: Add a new server relay address under a L3 External EPG

Syntax:

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
WORD	l3 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: template dhcp relay : Create a DHCP Relay policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
(config-tenant-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> external-l3 epg
 <WORD>
```

ipv6 bandwidth

ipv6 bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

ipv6 bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

ipv6 bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance

<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

ipv6 bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 bandwidth eigrp default <NUMBER>
```

ipv6 bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

ipv6 bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

ipv6 bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

ipv6 bandwidth eigrp default <NUMBER>

Description: Set EIGRP bandwidth

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 bandwidth eigrp default <NUMBER>
```

ipv6 bfd

ipv6 bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 bfd eigrp enable
```

ipv6 bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 bfd eigrp enable
```

ipv6 bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 bfd eigrp enable
```

ipv6 bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 bfd eigrp enable
```

ipv6 bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 bfd eigrp enable
```

ipv6 bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 bfd eigrp enable
```

ipv6 bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 bfd eigrp enable
```

ipv6 bfd eigrp enable

Description: Enable EIGRP Bidirectional Forwarding Detection

Syntax:

eigrp	EIGRP
enable	Enable BFD

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 bfd eigrp enable
```

ipv6 dhcp relay address tenant application

ipv6 dhcp relay address <A:B::C:D> tenant <WORD> application <WORD> epg <WORD>

Description: Add a new server relay address under an AEPg

Syntax:

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
WORD	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
WORD	AEPg behind which the DHCP server sits (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 dhcp relay address <A:B::C:D> tenant <WORD> application
<WORD> epg <WORD>
```

ipv6 dhcp relay address tenant external-l2

ipv6 dhcp relay address <A:B::C:D> tenant <WORD> external-l2 epg <WORD>

Description: Add a new server relay address under a L2 External EPG

Syntax:

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
WORD	l2 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 dhcp relay address <A:B::C:D> tenant <WORD> external-l2 epg
 <WORD>
```

ipv6 dhcp relay address tenant external-l3

ipv6 dhcp relay address <A:B::C:D> tenant <WORD> external-l3 epg <WORD>

Description: Add a new server relay address under a L3 External EPG

Syntax:

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
WORD	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
WORD	l3 external EPG behind which the DHCP server sits (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 dhcp relay address <A:B::C:D> tenant <WORD> external-l3 epg
 <WORD>
```

ipv6 distribute-list eigrp

ipv6 distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP route-map

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

ipv6 distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP Policies

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

ipv6 distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP Policies

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

ipv6 distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP route-map

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 distribute-list eigrp default route-map <WORD> out
```

ipv6 distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP route-map

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

ipv6 distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP Policies

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

ipv6 distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP Policies

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

ipv6 distribute-list eigrp default route-map <WORD> out

Description: Configure distribute-list EIGRP route-map

Syntax:

default	EIGRP default instance
route-map	route map
WORD	Route-map name (Max Size 64)
out	out

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 distribute-list eigrp default route-map <WORD> out
```

ipv6 flow

ipv6 flow monitor <WORD>

Description: Configure Netflow on the Policy Group

Syntax:

monitor	Configure Netflow on the Policy Group
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# ipv6 flow monitor <WORD>
```

ipv6 flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# ipv6 flow monitor <WORD>
```

ipv6 flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 flow monitor <WORD>
```

ipv6 flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 flow monitor <WORD>
```

ipv6 flow monitor <arg>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
arg	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 flow monitor <>
```

ipv6 flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 flow monitor <WORD>
```

ipv6 flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 flow monitor <WORD>
```

ipv6 flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 flow monitor <WORD>
```

ipv6 flow monitor <arg>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
arg	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 flow monitor <>
```

ipv6 flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 flow monitor <WORD>
```

ipv6 flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 flow monitor <WORD>
```

ipv6 flow monitor <WORD>

Description: Configure Netflow on the VPC

Syntax:

monitor	Configure Netflow on the VPC
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# ipv6 flow monitor <WORD>
```

ipv6 hello-interval

ipv6 hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

ipv6 hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

ipv6 hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance

| *<1-65535>* | Hello interval time in seconds. Number range from=1 to=65535 |

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

ipv6 hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 hello-interval eigrp default <NUMBER>
```

ipv6 hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

ipv6 hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

ipv6 hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

ipv6 hello-interval eigrp default <NUMBER>

Description: Set EIGRP Hello interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 hello-interval eigrp default <NUMBER>
```

ipv6 hold-interval

ipv6 hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

ipv6 hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

ipv6 hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance

| *<1-65535>* | Hold interval time in seconds. Number range from=1 to=65535 |

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

ipv6 hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 hold-interval eigrp default <NUMBER>
```

ipv6 hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

ipv6 hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

ipv6 hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

ipv6 hold-interval eigrp default <NUMBER>

Description: Set EIGRP Hold interval time

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 hold-interval eigrp default <NUMBER>
```

ipv6 link-local

ipv6 link-local <A:B::C:D>

Description: Configure IPv6 link-local address

Syntax:

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 link-local <A:B::C:D>
```

ipv6 link-local <X:X:X:X::X>

Description: Configure IPv6 link-local address

Syntax:

X:X:X:X::X	IPv6 link-local address

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

ipv6 link-local <X:X:X:X::X>

Description: Configure IPv6 link-local address

Syntax:

X:X:X:X::X	IPv6 link-local address

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

ipv6 link-local <X:X:X:X::X>

Description: Configure IPv6 link-local address

Syntax:

X:X:X:X::X	IPv6 link-local address

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

ipv6 link-local <X:X:X:X::X>

Description: Configure IPv6 link-local address

Syntax:

X:X:X:X::X	IPv6 link-local address

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 link-local <X:X:X:X::X>
```

ipv6 link-local <X:X:X:X::X>

Description: Configure IPv6 link-local address

Syntax:

X:X:X:X::X	IPv6 link-local address

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

ipv6 link-local <X:X:X:X::X>

Description: Configure IPv6 link-local address

Syntax:

X:X:X:X::X	IPv6 link-local address

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

ipv6 link-local <X:X:X:X::X>

Description: Configure IPv6 link-local address

Syntax:

X:X:X:X::X	IPv6 link-local address

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

ipv6 link-local <X:X:X:X::X>

Description: Configure IPv6 link-local address

Syntax:

X:X:X:X::X	IPv6 link-local address

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 link-local <X:X:X:X::X>
```

ipv6 mld snooping

ipv6 mld snooping

Description: IPV6 MLD snooping settings

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 mld snooping
```

ipv6 mld snooping

Description: IPV6 MLD snooping settings

Command Mode: template ipv6 mld snooping policy : Create an MLD snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 mld snooping policy <WORD>
(config-tenant-template-ip-mld-snooping)# ipv6 mld snooping
```

ipv6 mld snooping access-group route-map leaf interface ethernet ethernet vlan

ipv6 mld snooping access-group route-map <WORD> leaf <WORD> interface ethernet ethernet <slot>/<port> vlan <VLAN>

Description: Encap VLAN

Syntax:

route-map	Route-Map used for filtering
WORD	route-map name (Max Size 64)
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
ethernet <slot>/<port>	Ethernet Range
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ipv6 mld snooping access-group route-map <WORD> leaf <WORD> interface
 ethernet ethernet <slot>/<port> vlan <VLAN>
```

ipv6 mld snooping access-group route-map leaf interface port-channel vlan

ipv6 mld snooping access-group route-map <WORD> leaf <WORD> interface port-channel <WORD> [fex <NUMBER>] vlan <VLAN>

Description: Encap VLAN

Syntax:

route-map	Route-Map used for filtering
WORD	route-map name (Max Size 64)
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
WORD	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ipv6 mld snooping access-group route-map <WORD> leaf <WORD> interface
 port-channel <WORD> [fex <NUMBER>] vlan <VLAN>
```

ipv6 mld snooping access-group route-map vpc context interface vpc vlan

ipv6 mld snooping access-group route-map <WORD> vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>

Description: Encap VLAN

Syntax:

route-map	Route-Map used for filtering
WORD	route-map name (Max Size 64)
context	VPC Context
WORD	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
WORD	VPC Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ipv6 mld snooping access-group route-map <WORD> vpc context <WORD>
 <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>
```

ipv6 mld snooping fast-leave

ipv6 mld snooping fast-leave

Description: Enable IPV6 MLD Snooping fast leave processing

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 mld snooping fast-leave
```

ipv6 mld snooping fast-leave

Description: Enable IPV6 MLD Snooping fast leave processing

Command Mode: template ipv6 mld snooping policy : Create an MLD snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 mld snooping policy <WORD>
(config-tenant-template-ip-mld-snooping)# ipv6 mld snooping fast-leave
```

ipv6 mld snooping last-member-query-interval

ipv6 mld snooping last-member-query-interval <NUMBER>

Description: Change the IPV6 MLD snooping last member query interval param

Syntax:

<1-25>	Last Memeber Query Interval Value. Number range from=1 to=25

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 mld snooping last-member-query-interval <NUMBER>
```

ipv6 mld snooping last-member-query-interval <NUMBER>

Description: Change the IPV6 MLD snooping last member query interval param

Syntax:

<1-25>	Last Memeber Query Interval Value. Number range from=1 to=25

Command Mode: template ipv6 mld snooping policy : Create an MLD snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 mld snooping policy <WORD>
(config-tenant-template-ip-mld-snooping)# ipv6 mld snooping last-member-query-interval
<NUMBER>
```

ipv6 mld snooping policy

ipv6 mld snooping policy <WORD>

Description: Associate the BD with an MLD snooping policy

Syntax:

WORD	Name of the MLD snooping policy to attach (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 mld snooping policy <WORD>
```

ipv6 mld snooping querier

ipv6 mld snooping querier

Description: Enable IPV6 MLD Snooping querier processing

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 mld snooping querier
```

ipv6 mld snooping querier

Description: Enable IPV6 MLD Snooping querier processing

Command Mode: template ipv6 mld snooping policy : Create an MLD snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 mld snooping policy <WORD>
(config-tenant-template-ip-mld-snooping)# ipv6 mld snooping querier
```

ipv6 mld snooping query-interval

ipv6 mld snooping query-interval <NUMBER>

Description: Change the IPV6 MLD snooping query interval param

Syntax:

<1-18000>	Query Interval Value. Number range from=1 to=18000

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 mld snooping query-interval <NUMBER>
```

ipv6 mld snooping query-interval <NUMBER>

Description: Change the IPV6 MLD snooping query interval param

Syntax:

<1-18000>	Query Interval Value. Number range from=1 to=18000

Command Mode: template ipv6 mld snooping policy : Create an MLD snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 mld snooping policy <WORD>
(config-tenant-template-ip-mld-snooping)# ipv6 mld snooping query-interval <NUMBER>
```

ipv6 mld snooping query-max-response-time

ipv6 mld snooping query-max-response-time <NUMBER>

Description: Change the IPV6 MLD snooping max query response time

Syntax:

<1-25>	Query Max Response Time. Number range from=1 to=25

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 mld snooping query-max-response-time <NUMBER>
```

ipv6 mld snooping query-max-response-time <NUMBER>

Description: Change the IPV6 MLD snooping max query response time

Syntax:

<1-25>	Query Max Response Time. Number range from=1 to=25

Command Mode: template ipv6 mld snooping policy : Create an MLD snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 mld snooping policy <WORD>
(config-tenant-template-ip-mld-snooping)# ipv6 mld snooping query-max-response-time <NUMBER>
```

ipv6 mld snooping startup-query-count

ipv6 mld snooping startup-query-count <NUMBER>

Description: Change the IPV6 MLD snooping number of initial queries to send

Syntax:

<1-10>	Start Query Count. Number range from=1 to=10

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 mld snooping startup-query-count <NUMBER>
```

ipv6 mld snooping startup-query-count <NUMBER>

Description: Change the IPV6 MLD snooping number of initial queries to send

Syntax:

<1-10>	Start Query Count. Number range from=1 to=10

Command Mode: template ipv6 mld snooping policy : Create an MLD snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 mld snooping policy <WORD>
(config-tenant-template-ip-mld-snooping)# ipv6 mld snooping startup-query-count <NUMBER>
```

ipv6 mld snooping startup-query-interval

ipv6 mld snooping startup-query-interval <NUMBER>

Description: Change the IPV6 MLD snooping time for sending initial queries

Syntax:

<1-18000>	Start Query Interval Value. Number range from=1 to=18000

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 mld snooping startup-query-interval <NUMBER>
```

ipv6 mld snooping startup-query-interval <NUMBER>

Description: Change the IPV6 MLD snooping time for sending initial queries

Syntax:

<1-18000>	Start Query Interval Value. Number range from=1 to=18000

Command Mode: template ipv6 mld snooping policy : Create an MLD snooping policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 mld snooping policy <WORD>
(config-tenant-template-ip-mld-snooping)# ipv6 mld snooping startup-query-interval <NUMBER>
```

ipv6 mld snooping static-group leaf interface ethernet ethernet vlan

ipv6 mld snooping static-group <A:B::C:D> [source <A:B::C:D>] leaf <WORD> interface ethernet ethernet <slot>/<port> vlan <VLAN>

Description: Encap VLAN

Syntax:

A:B::C:D	IPv6 multicast address in format xxxx:xxxx, xxxx::xx
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
ethernet <slot>/<port>	Ethernet Range
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ipv6 mld snooping static-group <A:B::C:D> [source <A:B::C:D>] leaf
 <WORD> interface ethernet ethernet <slot>/<port> vlan <VLAN>
```

ipv6 mld snooping static-group leaf interface port-channel vlan

ipv6 mld snooping static-group <A:B::C:D> [source <A:B::C:D>] leaf <WORD> interface port-channel <WORD> [fex <NUMBER>] vlan <VLAN>

Description: Encap VLAN

Syntax:

A:B::C:D	IPv6 multicast address in format xxxx:xxxx, xxxx::xx
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
WORD	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ipv6 mld snooping static-group <A:B::C:D> [source <A:B::C:D>] leaf
 <WORD> interface port-channel <WORD> [fex <NUMBER>] vlan <VLAN>
```

ipv6 mld snooping static-group vpc context interface vpc vlan

ipv6 mld snooping static-group <A:B::C:D> [source <A:B::C:D>] vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>

Description: Encap VLAN

Syntax:

A:B::C:D	IPv6 multicast address in format xxxx:xxxx, xxxx::xx
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
context	VPC Context
WORD	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
WORD	VPC Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ipv6 mld snooping static-group <A:B::C:D> [source <A:B::C:D>] vpc
 context <WORD> <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>
```

ipv6 multicast

ipv6 multicast

Description: Enable multicast on this bridge-domain

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 multicast
```

ipv6 nd hop-limit

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

| *<0-255>* | Hop Limit. Number range from=0 to=255 |

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

| *<0-255>* | Hop Limit. Number range from=0 to=255 |

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

| *<0-255>* | Hop Limit. Number range from=0 to=255 |

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

<0-255>	Hop Limit. Number range from=0 to=255

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

<0-255>	Hop Limit. Number range from=0 to=255

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

<0-255>	Hop Limit. Number range from=0 to=255

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

<0-255>	Hop Limit. Number range from=0 to=255

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

<0-255>	Hop Limit. Number range from=0 to=255

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

<0-255>	Hop Limit. Number range from=0 to=255

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

<0-255>	Hop Limit. Number range from=0 to=255

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

<0-255>	Hop Limit. Number range from=0 to=255

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd hop-limit <NUMBER>

Description: Set the hop limit to be advertised in IPv6 neighbor discovery packets

Syntax:

<0-255>	Hop Limit. Number range from=0 to=255

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd hop-limit <NUMBER>
```

ipv6 nd managed-config-flag

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd managed-config-flag
```

ipv6 nd managed-config-flag

Description: Use stateful address auto-configuration to obtain address information

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd managed-config-flag
```

ipv6 nd mtu

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

ipv6 nd mtu <NUMBER>

Description: Set the mtu to be advertised in IPv6 neighbor discovery packets

Syntax:

<1280-9000>	MTU value. Number range from=1280 to=9000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd mtu <NUMBER>
```

ipv6 nd ns-interval

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

<1000-3600000>	Interval value. Number range from=1000 to=3600000

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

<1000-3600000>	Interval value. Number range from=1000 to=3600000

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

<1000-3600000>	Interval value. Number range from=1000 to=3600000

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

| *<1000-3600000>* | Interval value. Number range from=1000 to=3600000 |

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

| *<1000-3600000>* | Interval value. Number range from=1000 to=3600000 |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

| *<1000-3600000>* | Interval value. Number range from=1000 to=3600000 |

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

<1000-3600000>	Interval value. Number range from=1000 to=3600000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

<1000-3600000>	Interval value. Number range from=1000 to=3600000

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

<1000-3600000>	Interval value. Number range from=1000 to=3600000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

<1000-3600000>	Interval value. Number range from=1000 to=3600000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

<1000-3600000>	Interval value. Number range from=1000 to=3600000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-interval <NUMBER>

Description: Set the retransmission interval between IPv6 neighbor solicitation messages

Syntax:

<1000-3600000>	Interval value. Number range from=1000 to=3600000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd ns-interval <NUMBER>
```

ipv6 nd ns-retries

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

<1-100>	Number of retries. Number range from=1 to=100

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

<1-100>	Number of retries. Number range from=1 to=100

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

<1-100>	Number of retries. Number range from=1 to=100

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

<1-100>	Number of retries. Number range from=1 to=100

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

<1-100>	Number of retries. Number range from=1 to=100

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

<1-100>	Number of retries. Number range from=1 to=100

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

| *<1-100>* | Number of retries. Number range from=1 to=100 |

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

| *<1-100>* | Number of retries. Number range from=1 to=100 |

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

| *<1-100>* | Number of retries. Number range from=1 to=100 |

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

| *<1-100>* | Number of retries. Number range from=1 to=100 |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

<1-100>	Number of retries. Number range from=1 to=100

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd ns-retries <NUMBER>

Description: Set the retry count for for sending neighbor solicitation messages

Syntax:

<1-100>	Number of retries. Number range from=1 to=100

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd ns-retries <NUMBER>
```

ipv6 nd other-config-flag

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd other-config-flag
```

ipv6 nd other-config-flag

Description: Use stateful auto-configuration to obtain NON-address information

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd other-config-flag
```

ipv6 nd policy

ipv6 nd policy <WORD>

Description: Associate the BD with an IPv6 Neighbor Discovery policy

Syntax:

WORD	Name of the policy to associate (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd policy <WORD>
```

ipv6 nd prefix

ipv6 nd prefix <A:B::C:D/LEN> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]

Description: Advertise in Neighbor Discover a Prefix and configure the parameters

Syntax:

A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd prefix <A:B::C:D/LEN> <NUMBER> <NUMBER> [no-autoconfig]
 [no-onlink] [router-address]
```

ipv6 nd prefix <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]

Description: Advertise in Neighbor Discover a Prefix and configure the parameters

Syntax:

<0-4294967295>	Lifetime to advertise for the prefix, in milliseconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in milliseconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

Command Mode: template ipv6 nd prefix : Create/modify an an IPv6 Neighbor Prefix policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd prefix policy <WORD>
(config-tenant-template-ipv6-nd-pfx)# ipv6 nd prefix <NUMBER> <NUMBER> [no-autoconfig]
[no-onlink] [router-address]
```

ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]

Description: Advertise in Neighbor Discover a Prefix and configure the parameters

Syntax:

WORD	WORD
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink]
[router-address]
```

ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]

Description: Advertise in Neighbor Discover a Prefix and configure the parameters

Syntax:

WORD	WORD
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink]
[router-address]
```

ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]

Description: Advertise in Neighbor Discover a Prefix and configure the parameters

Syntax:

WORD	WORD
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig]
[no-onlink] [router-address]
```

ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]

Description: Advertise in Neighbor Discover a Prefix and configure the parameters

Syntax:

WORD	WORD
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear

no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink]
[router-address]
```

ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]

Description: Advertise in Neighbor Discover a Prefix and configure the parameters

Syntax:

WORD	WORD
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink]
[router-address]
```

ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]

Description: Advertise in Neighbor Discover a Prefix and configure the parameters

Syntax:

WORD	WORD
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295

<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig]
[no-onlink] [router-address]
```

ipv6 nd ra-interval

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

<200-1800>	Interval in seconds. Number range from=200 to=1800

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

<200-1800>	Interval in seconds. Number range from=200 to=1800

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

<200-1800>	Interval in seconds. Number range from=200 to=1800

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

<200-1800>	Interval in seconds. Number range from=200 to=1800

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

<200-1800>	Interval in seconds. Number range from=200 to=1800

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

<200-1800>	Interval in seconds. Number range from=200 to=1800

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

| *<200-1800>* | Interval in seconds. Number range from=200 to=1800 |

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

| *<200-1800>* | Interval in seconds. Number range from=200 to=1800 |

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

| *<200-1800>* | Interval in seconds. Number range from=200 to=1800 |

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

| *<200-1800>* | Interval in seconds. Number range from=200 to=1800 |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

<200-1800>	Interval in seconds. Number range from=200 to=1800

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-interval <NUMBER>

Description: Set the interval between sending ICMPv6 router advertisement messages

Syntax:

<200-1800>	Interval in seconds. Number range from=200 to=1800

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd ra-interval <NUMBER>
```

ipv6 nd ra-lifetime

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

| *<0-9000>* | Lifetime in seconds. Number range from=0 to=9000 |

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

| *<0-9000>* | Lifetime in seconds. Number range from=0 to=9000 |

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

| *<0-9000>* | Lifetime in seconds. Number range from=0 to=9000 |

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

<0-9000>	Lifetime in seconds. Number range from=0 to=9000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

<0-9000>	Lifetime in seconds. Number range from=0 to=9000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

<0-9000>	Lifetime in seconds. Number range from=0 to=9000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

<0-9000>	Lifetime in seconds. Number range from=0 to=9000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

<0-9000>	Lifetime in seconds. Number range from=0 to=9000

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

<0-9000>	Lifetime in seconds. Number range from=0 to=9000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

<0-9000>	Lifetime in seconds. Number range from=0 to=9000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

| *<0-9000>* | Lifetime in seconds. Number range from=0 to=9000 |

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd ra-lifetime <NUMBER>

Description: Set the router lifetime of a default router in ICMPv6 router advertisement messages

Syntax:

| *<0-9000>* | Lifetime in seconds. Number range from=0 to=9000 |

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd ra-lifetime <NUMBER>
```

ipv6 nd reachable-time

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

| *<0-3600000>* | Reachable timer in seconds. Number range from=0 to=3600000 |

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

| *<0-3600000>* | Reachable timer in milliseconds. Number range from=0 to=3600000 |

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

| *<0-3600000>* | Reachable timer in milliseconds. Number range from=0 to=3600000 |

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd reachable-time <NUMBER>

Description: Set the time for reachability confirmation in ICMPv6 router advertisement messages

Syntax:

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd reachable-time <NUMBER>
```

ipv6 nd retrans-timer

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer, in seconds. Number range from=0 to=4294967295

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd retrans-timer <NUMBER>

Description: Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd retrans-timer <NUMBER>
```

ipv6 nd suppress-ra-mtu

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra-mtu

Description: Disable sending MTU option in ICMPv6 router advertisement messages

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd suppress-ra-mtu
```

ipv6 nd suppress-ra

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd suppress-ra
```

ipv6 nd suppress-ra

Description: Disable sending ICMPv6 router advertisement messages

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd suppress-ra
```

ipv6 nd unsolicit-na-glean

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd unsolicit-na-glean
```

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd unsolicit-na-glean
```

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd unsolicit-na-glean
```

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd unsolicit-na-glean
```

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd unsolicit-na-glean
```

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd unsolicit-na-glean
```

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd unsolicit-na-glean
```

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd unsolicit-na-glean
```

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd unsolicit-na-glean
```

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd unsolicit-na-glean
```

ipv6 nd unsolicit-na-glean

Description: Configure ND to glean an entry from an unsolicited neighbor advertisement (NA)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 nd unsolicit-na-glean
```

ipv6 next-hop-self

ipv6 next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

ipv6 next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

ipv6 next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

ipv6 next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 next-hop-self eigrp default
```

ipv6 next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

ipv6 next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

ipv6 next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

ipv6 next-hop-self eigrp default

Description: Set EIGRP next-hop-self flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 next-hop-self eigrp default
```

ipv6 ospf authentication-key

ipv6 ospf authentication-key <WORD>

Description: Set OSPF authentication key

Syntax:

WORD	OSPF authentication key

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf authentication-key <WORD>
```

ipv6 ospf authentication-key <WORD>

Description: Set OSPF authentication key

Syntax:

WORD	OSPF authentication key

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf authentication-key <WORD>
```

ipv6 ospf authentication

ipv6 ospf authentication md5|none|simple

Description: Set the OSPF authentication type

Syntax:

md5	MD5 authentication
none	No authentication
simple	Simple authentication

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf authentication md5|none|simple
```

ipv6 ospf authentication md5|none|simple

Description: Set the OSPF authentication type

Syntax:

md5	MD5 authentication
none	No authentication
simple	Simple authentication

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf authentication md5|none|simple
```

ipv6 ospf bfd

ipv6 ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf bfd enable
```

ipv6 ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf bfd enable
```

ipv6 ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf bfd enable
```

ipv6 ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf bfd enable
```

ipv6 ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf bfd enable
```

ipv6 ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf bfd enable
```

ipv6 ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf bfd enable
```

ipv6 ospf bfd enable

Description: Enable Bidirectional Forwarding Detection

Syntax:

enable	Enable BFD

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf bfd enable
```

ipv6 ospf cost

ipv6 ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

ipv6 ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

ipv6 ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

ipv6 ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf cost <NUMBER>
```

ipv6 ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

ipv6 ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

ipv6 ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

ipv6 ospf cost <NUMBER>

Description: Set OSPF cost for the interface

Syntax:

<0-65535>	OSPF cost. Number range from=0 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf cost <NUMBER>
```

ipv6 ospf dead-interval

ipv6 ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

ipv6 ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

ipv6 ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

ipv6 ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf dead-interval <NUMBER>
```

ipv6 ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

ipv6 ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
```

```
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

ipv6 ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

ipv6 ospf dead-interval <NUMBER>

Description: Set the interval between hello packets from a neighbor before the router declares the neighbor as down

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf dead-interval <NUMBER>
```

ipv6 ospf hello-interval

ipv6 ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

ipv6 ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

ipv6 ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

ipv6 ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf hello-interval <NUMBER>
```

ipv6 ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

ipv6 ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

ipv6 ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

ipv6 ospf hello-interval <NUMBER>

Description: Set interval between hello packets that OSPF sends on the interface

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf hello-interval <NUMBER>
```

ipv6 ospf inherit

ipv6 ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

ipv6 ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

ipv6 ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

ipv6 ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf inherit interface-policy <WORD>
```

ipv6 ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

ipv6 ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

ipv6 ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

ipv6 ospf inherit interface-policy <WORD>

Description: Inherit OSPF Template Policy under this VRF

Syntax:

interface-policy	Inherit OSPF interface-policy
WORD	OSPF Template Policy name (Max Size 64)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf inherit interface-policy <WORD>
```

ipv6 ospf mtu-ignore

ipv6 ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf mtu-ignore
```

ipv6 ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf mtu-ignore
```

ipv6 ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf mtu-ignore
```

ipv6 ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

```
(virtual-interface-profile)# ipv6 ospf mtu-ignore
```

ipv6 ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf mtu-ignore
```

ipv6 ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf mtu-ignore
```

ipv6 ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf mtu-ignore
```

ipv6 ospf mtu-ignore

Description: Set OSPF Interface Policy Controls

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf mtu-ignore
```

ipv6 ospf network

ipv6 ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

ipv6 ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

ipv6 ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

ipv6 ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf network bcast|p2p|unspecified
```

ipv6 ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

ipv6 ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

ipv6 ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

ipv6 ospf network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf network bcast|p2p|unspecified
```

ipv6 ospf passive-interface

ipv6 ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf passive-interface
```

ipv6 ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf passive-interface
```

ipv6 ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf passive-interface
```

ipv6 ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

```
(virtual-interface-profile)# ipv6 ospf passive-interface
```

ipv6 ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf passive-interface
```

ipv6 ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf passive-interface
```

ipv6 ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf passive-interface
```

ipv6 ospf passive-interface

Description: Set OSPF Interface Policy Controls

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf passive-interface
```

ipv6 ospf prefix-suppression

ipv6 ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

ipv6 ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

ipv6 ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.

inherit	The OSPF interface prefix suppression.

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

ipv6 ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf prefix-suppression disable|enable|inherit
```

ipv6 ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

ipv6 ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

ipv6 ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

ipv6 ospf prefix-suppression disable|enable|inherit

Description: Set prefix suppression

Syntax:

disable	The OSPF interface prefix suppression.
enable	The OSPF interface prefix suppression.
inherit	The OSPF interface prefix suppression.

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf prefix-suppression disable|enable|inherit
```

ipv6 ospf priority

ipv6 ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

ipv6 ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

ipv6 ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

ipv6 ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf priority <NUMBER>
```

ipv6 ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

ipv6 ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

ipv6 ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

ipv6 ospf priority <NUMBER>

Description: Set OSPF interface priority used to determine the designated router (DR) on a specific network

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf priority <NUMBER>
```

ipv6 ospf retransmit-interval

ipv6 ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

ipv6 ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

ipv6 ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

ipv6 ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf retransmit-interval <NUMBER>
```

ipv6 ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

ipv6 ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

ipv6 ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

ipv6 ospf retransmit-interval <NUMBER>

Description: Set OSPF Policy Graceful Restart Timers

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf retransmit-interval <NUMBER>
```

ipv6 ospf transmit-delay

ipv6 ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

ipv6 ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

ipv6 ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

ipv6 ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf transmit-delay <NUMBER>
```

ipv6 ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

ipv6 ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

ipv6 ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

ipv6 ospf transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 ospf transmit-delay <NUMBER>
```

ipv6 passive-interface

ipv6 passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 passive-interface eigrp default
```

ipv6 passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 passive-interface eigrp default
```

ipv6 passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 passive-interface eigrp default
```

ipv6 passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 passive-interface eigrp default
```

ipv6 passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 passive-interface eigrp default
```

ipv6 passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 passive-interface eigrp default
```

ipv6 passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 passive-interface eigrp default
```

ipv6 passive-interface eigrp default

Description: Set EIGRP passive-interface flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 passive-interface eigrp default
```

ipv6 pim

ipv6 pim

Description: Enable PIM IPV6

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim
```

ipv6 pim

Description: Enable PIM

Command Mode: l3out : Configuration for L3Out

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# ipv6 pim
```

ipv6 pim border

ipv6 pim border

Description: Configures interface to be a boundary of a PIM domain

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim border
```

ipv6 pim border

Description: Configures interface to be a boundary of a PIM domain

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim border
```

ipv6 pim border

Description: Configures interface to be a boundary of a PIM domain

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim border
```

ipv6 pim border

Description: Configures interface to be a boundary of a PIM domain

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim border
```

ipv6 pim dr-delay

ipv6 pim dr-delay <NUMBER>

Description: Configures delay for PIM DR election on interface

Syntax:

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim dr-delay <NUMBER>
```

ipv6 pim dr-delay <NUMBER>

Description: Configures delay for PIM DR election on interface

Syntax:

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim dr-delay <NUMBER>
```

ipv6 pim dr-delay <NUMBER>

Description: Configures delay for PIM DR election on interface

Syntax:

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim dr-delay <NUMBER>
```

ipv6 pim dr-delay <NUMBER>

Description: Configures delay for PIM DR election on interface

Syntax:

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim dr-delay <NUMBER>
```

ipv6 pim dr-priority

ipv6 pim dr-priority <NUMBER>

Description: Configures priority for PIM DR election on interface

Syntax:

<1-4294967295>	DR priority. Number range from=1 to=4294967295

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim dr-priority <NUMBER>
```

ipv6 pim dr-priority <NUMBER>

Description: Configures priority for PIM DR election on interface

Syntax:

<1-4294967295>	DR priority. Number range from=1 to=4294967295

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim dr-priority <NUMBER>
```

ipv6 pim dr-priority <NUMBER>

Description: Configures priority for PIM DR election on interface

Syntax:

<1-4294967295>	DR priority. Number range from=1 to=4294967295

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim dr-priority <NUMBER>
```

ipv6 pim dr-priority <NUMBER>

Description: Configures priority for PIM DR election on interface

Syntax:

<1-4294967295>	DR priority. Number range from=1 to=4294967295

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim dr-priority <NUMBER>
```

ipv6 pim fast-convergence

ipv6 pim fast-convergence

Description: Set PIM IPV6 fast convergence

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim fast-convergence
```

ipv6 pim hello-authentication

ipv6 pim hello-authentication ah-md5 <WORD>

Description: Add AH header option to Hellos

Syntax:

ah-md5	MD5 authentication
WORD	PIM hello authentication key

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim hello-authentication ah-md5 <WORD>
```

ipv6 pim hello-authentication ah-md5 <WORD>

Description: Add AH header option to Hellos

Syntax:

ah-md5	MD5 authentication
WORD	PIM hello authentication key

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim hello-authentication ah-md5 <WORD>
```

ipv6 pim hello-authentication ah-md5 <WORD>

Description: Add AH header option to Hellos

Syntax:

ah-md5	MD5 authentication
WORD	PIM hello authentication key

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim hello-authentication ah-md5 <WORD>
```

ipv6 pim hello-authentication ah-md5 <WORD>

Description: Add AH header option to Hellos

Syntax:

ah-md5	MD5 authentication
WORD	PIM hello authentication key

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim hello-authentication ah-md5 <WORD>
```

ipv6 pim hello-interval

ipv6 pim hello-interval <NUMBER>

Description: Configures the Hello interval for the interface

Syntax:

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim hello-interval <NUMBER>
```

ipv6 pim hello-interval <NUMBER>

Description: Configures the Hello interval for the interface

Syntax:

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim hello-interval <NUMBER>
```

ipv6 pim hello-interval <NUMBER>

Description: Configures the Hello interval for the interface

Syntax:

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim hello-interval <NUMBER>
```

ipv6 pim hello-interval <NUMBER>

Description: Configures the Hello interval for the interface

Syntax:

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim hello-interval <NUMBER>
```

ipv6 pim inherit

ipv6 pim inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a PIM interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	PIM inteface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim inherit interface-policy <WORD> [tenant <WORD>]
```

ipv6 pim inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a PIM interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	PIM inteface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim inherit interface-policy <WORD> [tenant <WORD>]
```

ipv6 pim inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a PIM interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	PIM inteface policy name (Max Size 64)

WORD	(Optional) Tenant where policy is defined

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim inherit interface-policy <WORD> [tenant <WORD>]
```

ipv6 pim inherit interface-policy <WORD> [tenant <WORD>]

Description: Associate a PIM interface policy to this interface

Syntax:

interface-policy	interface-policy
WORD	PIM inteface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim inherit interface-policy <WORD> [tenant <WORD>]
```

ipv6 pim jp-interval

ipv6 pim jp-interval <NUMBER>

Description: Configures the Join-Prune interval for the interface

Syntax:

<60-65520>	JP Interval Value. Number range from=60 to=65520

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim jp-interval <NUMBER>
```

ipv6 pim jp-interval <NUMBER>

Description: Configures the Join-Prune interval for the interface

Syntax:

<60-65520>	JP Interval Value. Number range from=60 to=65520

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim jp-interval <NUMBER>
```

ipv6 pim jp-interval <NUMBER>

Description: Configures the Join-Prune interval for the interface

Syntax:

<60-65520>	JP Interval Value. Number range from=60 to=65520

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim jp-interval <NUMBER>
```

ipv6 pim jp-interval <NUMBER>

Description: Configures the Join-Prune interval for the interface

Syntax:

<60-65520>	JP Interval Value. Number range from=60 to=65520

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim jp-interval <NUMBER>
```

ipv6 pim jp-policy

ipv6 pim jp-policy <WORD> in|out

Description: Specify policy for receiving Join-Prune messages

Syntax:

WORD	Route-map name
in	in
out	out

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim jp-policy <WORD> in|out
```

ipv6 pim jp-policy <WORD> in|out

Description: Specify policy for receiving Join-Prune messages

Syntax:

WORD	Route-map name
in	in
out	out

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim jp-policy <WORD> in|out
```

ipv6 pim jp-policy <WORD> in|out

Description: Specify policy for receiving Join-Prune messages

Syntax:

WORD	Route-map name
in	in

out	out

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim jp-policy <WORD> in|out
```

ipv6 pim jp-policy <WORD> in|out

Description: Specify policy for receiving Join-Prune messages

Syntax:

WORD	Route-map name
in	in
out	out

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim jp-policy <WORD> in|out
```

ipv6 pim mtu

ipv6 pim mtu <NUMBER>

Description: Set PIM MTU size

Syntax:

<1500-65536>	MTU size in bytes. Number range from=1500 to=65536

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim mtu <NUMBER>
```

ipv6 pim neighbor-policy

ipv6 pim neighbor-policy <WORD>

Description: Configures a neighbor policy for filtering adjacencies

Syntax:

WORD	Route-map name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim neighbor-policy <WORD>
```

ipv6 pim neighbor-policy <WORD>

Description: Configures a neighbor policy for filtering adjacencies

Syntax:

WORD	Route-map name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim neighbor-policy <WORD>
```

ipv6 pim neighbor-policy <WORD>

Description: Configures a neighbor policy for filtering adjacencies

Syntax:

WORD	Route-map name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim neighbor-policy <WORD>
```

ipv6 pim neighbor-policy <WORD>

Description: Configures a neighbor policy for filtering adjacencies

Syntax:

WORD	Route-map name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim neighbor-policy <WORD>
```

ipv6 pim passive

ipv6 pim passive

Description: Configures interface to be a passive interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim passive
```

ipv6 pim passive

Description: Configures interface to be a passive interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim passive
```

ipv6 pim passive

Description: Configures interface to be a passive interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim passive
```

ipv6 pim passive

Description: Configures interface to be a passive interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim passive
```

ipv6 pim register-rate-limit

ipv6 pim register-rate-limit <NUMBER>

Description: Rate limit for PIM IPV6 data registers

Syntax:

<1-65535>	Max number of packets per second. Number range from=1 to=65535

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim register-rate-limit <NUMBER>
```

ipv6 pim register-source

ipv6 pim register-source <A:B:C:D:E:F:G:H>

Description: Configure source address for Register messages

Syntax:

A:B:C:D:E:F:G:H	Source IP address in format A:B:C:D:E:F:G:H

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim register-source <A:B:C:D:E:F:G:H>
```

ipv6 pim rp-address

ipv6 pim rp-address <A:B:C:D:E:F:G:H> [route-map <WORD>]

Description: Configure static RP for group range

Syntax:

A:B:C:D:E:F:G:H	IP address in format A:B:C:D:E:F:G:H
WORD	(Optional) route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim rp-address <A:B:C:D:E:F:G:H> [route-map <WORD>]
```

ipv6 pim sg-expiry-timer

ipv6 pim sg-expiry-timer <NUMBER> [sg-list <WORD>]

Description: Adjust expiry time for PIM IPV6 ASM (S,G) routes

Syntax:

<180-604801>	Expiry timer interval in seconds. Number range from=180 to=604801
WORD	(Optional) Route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim sg-expiry-timer <NUMBER> [sg-list <WORD>]
```

ipv6 pim sparse

ipv6 pim sparse

Description: Enable PIM on this interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim sparse
```

ipv6 pim sparse

Description: Enable PIM on this interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim sparse
```

ipv6 pim sparse

Description: Enable PIM on this interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim sparse
```

ipv6 pim sparse

Description: Enable PIM on this interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim sparse
```

ipv6 pim state-limit

ipv6 pim state-limit <NUMBER>

Description: Configure maximum state entries

Syntax:

<1-4294967295>	Maximum state entries. Number range from=1 to=4294967295

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim state-limit <NUMBER>
```

ipv6 pim state-limit reserved

ipv6 pim state-limit <NUMBER> reserved <WORD> <NUMBER>

Description: Configure maximum state entries

Syntax:

<1-4294967295>	Maximum state entries. Number range from=1 to=4294967295
WORD	route-map name
<0-4294967295>	Maximum reserve state entries. Number range from=0 to=4294967295

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim state-limit <NUMBER> reserved <WORD> <NUMBER>
```

ipv6 pim strict-rfc-compliant

ipv6 pim strict-rfc-compliant

Description: Set PIM IPV6 RFC Compliant

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim strict-rfc-compliant
```

ipv6 pim strict-rfc-compliant

Description: Set PIM RFC Compliant

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim strict-rfc-compliant
```

ipv6 pim strict-rfc-compliant

Description: Set PIM RFC Compliant

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim strict-rfc-compliant
```

ipv6 pim strict-rfc-compliant

Description: Set PIM RFC Compliant

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 pim strict-rfc-compliant
```

ipv6 pim strict-rfc-compliant

Description: Set PIM RFC Compliant

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 pim strict-rfc-compliant
```

ipv6 pim use-shared-tree-only

ipv6 pim use-shared-tree-only group-list <WORD>

Description: Use (*,G) only state, no source state is created

Syntax:

group-list	group list
WORD	Route-map name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ipv6 pim use-shared-tree-only group-list <WORD>
```

ipv6 router eigrp authentication enable

ipv6 router eigrp authentication enable

Description: Enable EIGRP authentication for an interface

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router eigrp authentication enable
```

ipv6 router eigrp authentication enable

Description: Enable EIGRP authentication

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router eigrp authentication enable
```

ipv6 router eigrp authentication enable

Description: Enable EIGRP authentication

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router eigrp authentication enable
```

ipv6 router eigrp authentication enable

Description: Associate the keychain policy with an EIGRP interface

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

```
(virtual-interface-profile)# ipv6 router eigrp authentication enable
```

ipv6 router eigrp authentication enable

Description: Enable EIGRP authentication for an interface

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router eigrp authentication enable
```

ipv6 router eigrp authentication enable

Description: Enable EIGRP authentication

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router eigrp authentication enable
```

ipv6 router eigrp authentication enable

Description: Enable EIGRP authentication

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router eigrp authentication enable
```

ipv6 router eigrp authentication enable

Description: Associate the keychain policy with an EIGRP interface

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 router eigrp authentication enable
```

ipv6 router eigrp authentication keychain-policy

ipv6 router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router eigrp authentication keychain-policy <WORD>
```

ipv6 router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router eigrp authentication keychain-policy <WORD>
```

ipv6 router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router eigrp authentication keychain-policy <WORD>
```

ipv6 router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 router eigrp authentication keychain-policy <WORD>
```

ipv6 router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router eigrp authentication keychain-policy <WORD>
```

ipv6 router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router eigrp authentication keychain-policy <WORD>
```

ipv6 router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router eigrp authentication keychain-policy <WORD>
```

ipv6 router eigrp authentication keychain-policy <WORD>

Description: Associate the keychain policy with an EIGRP interface

Syntax:

WORD	Policy name

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 router eigrp authentication keychain-policy <WORD>
```

ipv6 router eigrp default

ipv6 router eigrp default

Description: Configure Router EIGRP Policies

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router eigrp default
```

ipv6 router eigrp default

Description: Configure EIGRP default interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router eigrp default
```

ipv6 router eigrp default

Description: Configure EIGRP default interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router eigrp default
```

ipv6 router eigrp default

Description: Configure Router EIGRP Policies

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

```
(virtual-interface-profile)# ipv6 router eigrp default
```

ipv6 router eigrp default

Description: Configure Router EIGRP Policies

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router eigrp default
```

ipv6 router eigrp default

Description: Configure EIGRP default interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router eigrp default
```

ipv6 router eigrp default

Description: Configure EIGRP default interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router eigrp default
```

ipv6 router eigrp default

Description: Configure Router EIGRP Policies

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 router eigrp default
```

ipv6 router ospf default

ipv6 router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with interface
A.B.C.D/NUMBER	OSPF area Id

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

ipv6 router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with interface
A.B.C.D/NUMBER	OSPF area Id

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

ipv6 router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with interface
A.B.C.D/NUMBER	OSPF area Id

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

ipv6 router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with l3out deploying this vlifp
A.B.C.D/NUMBER	OSPF area Id

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

ipv6 router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with interface
A.B.C.D/NUMBER	OSPF area Id

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

ipv6 router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with interface
A.B.C.D/NUMBER	OSPF area Id

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

ipv6 router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with interface
A.B.C.D|NUMBER	OSPF area Id

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

ipv6 router ospf default area <A.B.C.D|NUMBER>

Description: Process tag

Syntax:

area	Area associated with l3out deploying this vlifp
A.B.C.D|NUMBER	OSPF area Id

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

ipv6 shared address consumer

ipv6 shared address <A:B::C:D/LEN> consumer application any epg any

Description: Shared consumed service

Syntax:

address	IPv6 subnet
A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
application	application keyword
any	any application
epg	epg keyword
any	any EPG

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 shared address <A:B::C:D/LEN> consumer application any epg
 any
```

ipv6 shared address provider

ipv6 shared address <A:B::C:D/LEN> provider application <WORD> epg <WORD> [scope <scope>]

Description: Shared provider service

Syntax:

address	IPv6 subnet
A:B::C:D/LEN	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
application	application keyword
WORD	Application Name (Max Size 64)
epg	epg keyword
WORD	Application EPG (Max Size 64)
scope	(Optional) Scope of the address among ['public']

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# ipv6 shared address <A:B::C:D/LEN> provider application <WORD>
epg <WORD> [scope <scope>]
```

ipv6 split-horizon

ipv6 split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 split-horizon eigrp default
```

ipv6 split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 split-horizon eigrp default
```

ipv6 split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 split-horizon eigrp default
```

ipv6 split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 split-horizon eigrp default
```

ipv6 split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 split-horizon eigrp default
```

ipv6 split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 split-horizon eigrp default
```

ipv6 split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 split-horizon eigrp default
```

ipv6 split-horizon eigrp default

Description: Set EIGRP split-horizon flag

Syntax:

eigrp	EIGRP
default	EIGRP default instance

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 split-horizon eigrp default
```

ipv6 summary-address eigrp

ipv6 summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summary IPV6 address (e.g. 2001:0DB8:0:1::/64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

ipv6 summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summarized IPV6 address (e.g. 2001:0DB8:0:1::/64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

ipv6 summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summarized IPV6 address (e.g. 2001:0DB8:0:1::/64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

ipv6 summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summary IPV6 address (e.g. 2001:0DB8:0:1::/64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

ipv6 summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summarized IPV6 address (e.g. 2001:0DB8:0:1::/64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

ipv6 summary-address eigrp default <IP-PREFIX/LEN>

Description: Configure route summarization for EIGRP

Syntax:

default	EIGRP default instance
IP-PREFIX/LEN	Summarized IPV6 address (e.g. 2001:0DB8:0:1::/64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

ipv6 throughput-delay

ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215

tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico

Description: Set EIGRP throughput delay

Syntax:

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

isis

isis fabric

Description: Intermediate System to Intermediate System (IS-IS)

Syntax:

fabric	Fabric IS-IS configuration

Command Mode: pod : Pod configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# isis fabric
```

isis bfd

isis bfd enabled

Description: bfd configuration

Syntax:

enabled	

Command Mode: fabric-interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fabric-interface ethernet
(config-leaf-if)# isis bfd enabled
```

isis bfd enabled

Description: bfd configuration

Syntax:

enabled	

Command Mode: fabric-interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fabric-interface ethernet
(config-leaf-if)# isis bfd enabled
```

isolation

isolation enforce

Description: Enable EPG isolation

Syntax:

enforce	Enable enforcing of policy-control rules (EPG isolation)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# isolation enforce
```

K Commands

- key-policy, on page 1054
- key-server-priority, on page 1055
- key, on page 1056
- keychain-policy, on page 1058

key-policy

key-policy <NUMBER>

Description: Configuration for Key Policy

Syntax:

<0-65535>	Id of the Key Policy. Number range from=0 to=65535

Command Mode: keychain-policy : Configuration for Keychain Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# keychain-policy <WORD>
(config-tenant-keychainpolicy)# key-policy <NUMBER>
```

key-server-priority

key-server-priority <NUMBER>

Description: Configure the key server priority

Syntax:

<0-255>	priority. Number range from=0 to=255

Command Mode: template macsec access|fabric security-policy : Configure MAC security policy parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric security-policy <WORD>
(config-macsec-param)# key-server-priority <NUMBER>
```

key

key

Description: LDAP server key for authentication

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# key
```

key

Description: RADIUS server key for authentication

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# key
```

key

Description: RSA server key for authentication

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# key
```

key

Description: TACACS server key for authentication

Command Mode: tacacs-server host : TACACS+ server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# key
```

key

Description: TACACS remote destination server key for authentication

Command Mode: remote-dest : TACACS Accounting remote destination's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacslog-group <WORD>
(config-tacacslog-group)# remote-dest <A.B.C.D|A:B::C:D|WORD> port <port>
(config-remote-dest)# key
```

key <WORD>

Description: Configure CKN as hex string of max 64 characters

Syntax:

WORD	CKN as hex string (Max Size 64)

Command Mode: template macsec access|fabric keychain : Configure macsec key chain

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric keychain <WORD>
(config-macsec-keychain)# key <WORD>
```

keychain-policy

keychain-policy <WORD>

Description: Configuration for Keychain Policy

Syntax:

WORD	Name of the KeyChain Policy (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# keychain-policy <WORD>
```

L Commands

l1l2redir-dest

l1l2redir-dest <WORD>

Description: Configure l1l2redirect destination

Syntax:

WORD	dest name (Max Size 512)

Command Mode: svcredir-pol : Configure L4L7 service redirection policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
(svcredir-pol)# l1l2redir-dest <WORD>
```

l2-unknown-unicast

l2-unknown-unicast <WORD>

Description: Change Unknown Unicast flood behavior

Syntax:

WORD	Unicast Unknown threatment

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# l2-unknown-unicast <WORD>
```

l2protocol-tunnel

l2protocol-tunnel stp|lldp|cdp|lacp|vtp

Description: set the type of qinq tunneling protocol

Syntax:

stp	Set protocol which needs to be tunnled to STP
lldp	Set protocol which needs to be tunnled to LLDP
cdp	Set protocol which needs to be tunnled to CDP
lacp	Set protocol which needs to be tunnled to LACP
vtp	Set protocol which needs to be tunnled to VTP

Command Mode: dot1q-tunnel : Tunnel configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dot1q-tunnel <WORD>
(config-tenant-tunnel)#l2protocol-tunnel stp|lldp|cdp|lacp|vtp
```

l3-unknown-multicast

l3-unknown-multicast <WORD>

Description: Change IPV4 L3 Unknown Multicast flood behavior

Syntax:

WORD	IPV4 Multicast unknown Frame handling

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# l3-unknown-multicast <WORD>
```

l3out

l3out <WORD>

Description: Configuration for L3Out

Syntax:

WORD	L3Out name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
```

l3out <l3out> <default>

Description: Add l3out to the Resource Pool

Syntax:

l3out	l3out
default	default

Command Mode: l4l7 resource-pool : Configure L4-L7 Service Resource Pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# l3out <l3out> <default>
```

l4l7-cluster

l4l7-cluster <ldevVip>

Description: Add ldev to the Resource Pool

Syntax:

ldevVip	ldevVip

Command Mode: l4l7 resource-pool : Configure L4-L7 Service Resource Pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# l4l7-cluster <ldevVip>
```

l4l7-peer

l4l7-peer tenant <WORD> out <WORD> epg <WORD> redistribute WORD

Description: Configure l3external epg association for a L4-L7 graph connector.

Syntax:

tenant	tenant under which the l3external epg resides
WORD	WORD
out	l3external outside name
WORD	WORD
epg	l3external-epg name
WORD	WORD
redistribute	Protocol Redistribute Settings
WORD	Protocol Redistribute Settings

Command Mode: connector : Configure Connector for a Service Node

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode
 <Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]
(config-service)# connector <WORD> [cluster-interface <WORD>]
(config-connector)# l4l7-peer tenant <WORD> out <WORD> epg <WORD> redistribute WORD
```

l4l7

l4l7 graph <WORD>

Description: Associate a l4l7 graph with this subject

Syntax:

graph	l4l7 graph to associate with
WORD	Service Graph name (Max Size 64)

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# l4l7 graph <WORD>
```

l4l7 cluster import-from

l4l7 cluster import-from <WORD> device-cluster <WORD>

Description: Import a L4-L7 Service Device Cluster

Syntax:

WORD	Tenant name (Max Size 63)
device-cluster	Device Cluster name
WORD	Device cluster name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 cluster import-from <WORD> device-cluster <WORD>
```

l4l7 cluster name

l4l7 cluster name <WORD> type <type> vlan-domain <domain-name> [switching-mode <switching-mode>] [service <service>] [function <function>] [context <context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]

Description: Add a L4-L7 Service Device Cluster

Syntax:

WORD	Device cluster name (Max Size 64)
type	Type of l4l7 Device Cluster
type	Type of l4l7 Device Cluster
vlan-domain	Physical or Virtual vlan domain to use for allocating encaps
<domain-name>	Physical Or Virtual vlan domain to use for allocating encaps
switching-mode	(Optional) Switching mode for AVE
service	(Optional) Indicates the type of service the device cluster provides
function	(Optional) Indicates the type of function the device cluster provides
context	(Optional) Type of l4l7 Device Context
<enable|disable>	(Optional) Enable or disable trunking for the device cluster
vm-instantiation-policy	(Optional) Select VM instantiation policy for dynamic logical device

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
```

l4l7 graph

l4l7 graph <WORD> [contract <contract-option>]

Description: Configure L4-L7 Service Graph

Syntax:

WORD	Service Graph name (Max Size 64)
contract-option	(Optional) Name of Contract

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
```

l4l7 resource-pool

l4l7 resource-pool <WORD>

Description: Configure L4-L7 Service Resource Pool

Syntax:

WORD	SRP name (Max Size 63)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
```

label

label <WORD>

Description: Create Provider Label

Syntax:

WORD	Provider Label Name

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# label <WORD>
```

label <WORD>

Description: Create Provider Label

Syntax:

WORD	Provider Label Name

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# label <WORD>
```

label match

label match provider|consumer any|one|all|none

Description: Specify the match type for the provider or consumer label

Syntax:

provider	Matching type for provider
consumer	Matching type for consumer
any	Match if ANY label is found in the contract relation
one	Match if exactly ONE label is found in the contract relation
all	Match if ALL labels are found in the contract relation
none	Match if NO labels are found in the contract relation

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# label match provider|consumer any|one|all|none
```

label name

label name <WORD> provider|consumer

Description: Add a provider or consumer label to the subject

Syntax:

WORD	Name of the label to add (Max Size 64)
provider	Matching type for provider
consumer	Matching type for consumer

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# label name <WORD> provider|consumer
```

lacp fast-select-hot-standby

lacp fast-select-hot-standby

Description: Enable LACP fast select for hot standby ports

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# lacp fast-select-hot-standby
```

lacp fast-select-hot-standby

Description: Enable LACP fast select for hot standby ports

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp fast-select-hot-standby
```

lacp fast-select-hot-standby

Description: Enable LACP fast select for hot standby ports

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp fast-select-hot-standby
```

lacp fast-select-hot-standby

Description: Enable LACP fast select for hot standby ports

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# lacp fast-select-hot-standby
```

lacp graceful-convergence

lacp graceful-convergence

Description: Enable LACP graceful convergence

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# lacp graceful-convergence
```

lacp graceful-convergence

Description: Enable LACP graceful convergence

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp graceful-convergence
```

lacp graceful-convergence

Description: Enable LACP graceful convergence

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp graceful-convergence
```

lacp graceful-convergence

Description: Enable LACP graceful convergence

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# lacp graceful-convergence
```

lacp load-defer

lacp load-defer

Description: Enable LACP load defer member ports

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# lacp load-defer
```

lacp load-defer

Description: Enable LACP load defer member ports

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp load-defer
```

lacp load-defer

Description: Enable LACP load defer member ports

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp load-defer
```

lacp load-defer

Description: Enable LACP load defer member ports

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# lacp load-defer
```

Iacp max-links

Iacp max-links <NUMBER>

Description: Configure maximum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: template fc-port-channel : Configure FC Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-port-channel <WORD>
(config-fc-po-ch-if)# lacp max-links <NUMBER>
```

Iacp max-links <NUMBER>

Description: Configure maximum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# lacp max-links <NUMBER>
```

Iacp max-links <NUMBER>

Description: Configure maximum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp max-links <NUMBER>
```

lacp max-links <NUMBER>

Description: Configure maximum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# lacp max-links <NUMBER>
```

lacp max-links <NUMBER>

Description: Configure maximum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp max-links <NUMBER>
```

lacp max-links <NUMBER>

Description: Configure maximum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# lacp max-links <NUMBER>
```

lacp max-links <NUMBER>

Description: Configure maximum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# lacp max-links <NUMBER>
```

lacp min-links

lacp min-links <NUMBER>

Description: Configure minimum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: template fc-port-channel : Configure FC Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-port-channel <WORD>
(config-fc-po-ch-if)# lacp min-links <NUMBER>
```

lacp min-links <NUMBER>

Description: Configure minimum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# lacp min-links <NUMBER>
```

lacp min-links <NUMBER>

Description: Configure minimum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp min-links <NUMBER>
```

lacp min-links <NUMBER>

Description: Configure minimum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# lacp min-links <NUMBER>
```

lacp min-links <NUMBER>

Description: Configure minimum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp min-links <NUMBER>
```

lacp min-links <NUMBER>

Description: Configure minimum number of links

Syntax:

<number>	Range 1 to 16. Number range from=1 to=16

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# lacp min-links <NUMBER>
```

lacp min-links <NUMBER>

Description: Configure minimum number of links

Syntax:

| *<number>* | Range 1 to 16. Number range from=1 to=16 |

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# lacp min-links <NUMBER>
```

lacp port-priority

lacp port-priority <arg>

Description: Set Lacp priority

Syntax:

arg	Priority Value. Number range from=1 to=65535

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# lacp port-priority <>
```

lacp port-priority <arg>

Description: Set Lacp priority.

Syntax:

arg	Priority Value. Number range from=1 to=65535

Command Mode: fex-interface-group : Configure Fex Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
(config-fex-if-group)# lacp port-priority <>
```

lacp port-priority <NUMBER>

Description: Set Lacp priority.

Syntax:

<1-65535>	Priority Value. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# lacp port-priority <NUMBER>
```

lacp port-priority <NUMBER>

Description: Set Lacp priority.

Syntax:

<1-65535>	Priority Value. Number range from=1 to=65535

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# lacp port-priority <NUMBER>
```

lacp port-priority interface

lacp port-priority <arg> interface ethernet

Description: Set Port Priority on specific Ports

Syntax:

arg	Priority Value. Number range from=1 to=65535
ethernet	Configure Physical Interface
arg	Provide range of Interfaces

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# lacp port-priority <> interface ethernet
```

lacp port-priority <arg> interface ethernet

Description: Set Port Priority on specific ports

Syntax:

arg	Priority Value. Number range from=1 to=65535
ethernet	Configure Physical Interface
arg	Provide range of Interfaces

Command Mode: fex-interface-group : Configure Fex Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
(config-fex-if-group)# lacp port-priority <> interface ethernet
```

lacp rate

lacp rate fast|normal

Description: Set Lacp rate

Syntax:

fast	Set rate to fast
normal	Set rate to normal

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# lacp rate fast|normal
```

lacp rate fast|normal

Description: Set Lacp rate

Syntax:

fast	Set rate to fast
normal	Set rate to normal

Command Mode: fex-interface-group : Configure Fex Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
(config-fex-if-group)# lacp rate fast|normal
```

lacp rate fast|normal

Description: Set Lacp rate

Syntax:

fast	Set rate to fast
normal	Set rate to normal

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# lacp rate fast|normal
```

lacp rate fast|normal

Description: Set Lacp rate

Syntax:

fast	Set rate to fast
normal	Set rate to normal

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# lacp rate fast|normal
```

lacp rate fast normal interface

lacp rate fast|normal interface ethernet

Description: Set Port Priority on specific Ports

Syntax:

fast	Set rate to fast
normal	Set rate to normal
ethernet	Configure Physical Interface
arg	Provide range of Interfaces

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# lacp rate fast|normal interface ethernet
```

lacp rate fast|normal interface ethernet

Description: Set Port Priority on specific Ports

Syntax:

fast	Set rate to fast
normal	Set rate to normal
ethernet	Configure Physical Interface
arg	Provide range of Interfaces

Command Mode: fex-interface-group : Configure Fex Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
(config-fex-if-group)# lacp rate fast|normal interface ethernet
```

lacp suspend-individual

lacp suspend-individual

Description: Enable LACP individual Port suspension

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# lacp suspend-individual
```

lacp suspend-individual

Description: Enable LACP individual Port suspension

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp suspend-individual
```

lacp suspend-individual

Description: Enable LACP individual Port suspension

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp suspend-individual
```

lacp suspend-individual

Description: Enable LACP individual Port suspension

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# lacp suspend-individual
```

lacp symmetric-hash

lacp symmetric-hash

Description: Configure symmetric hashing policy

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# lacp symmetric-hash
```

lacp symmetric-hash

Description: Configure symmetric hashing policy

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp symmetric-hash
```

lacp symmetric-hash

Description: Configure symmetric hashing policy

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp symmetric-hash
```

lag-policy-name

lag-policy-name <lag-policy-name>

Description: Configure enhanced lag policy under vmm domain

Syntax:

lag-policy-name	Select Enhanced LagPolicy

Command Mode: vmm-domain : Configure vmm domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# vmm-domain <vmm-domain> floating-addr <A.B.C.D/LEN>
(vmm-domain)# lag-policy-name <lag-policy-name>
```

lag-policy-name <lag-policy-name>

Description: Configure enhanced lag policy under vmm domain

Syntax:

lag-policy-name	Select Enhanced LagPolicy

Command Mode: vmm-domain : Configure vmm domain

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# vmm-domain <vmm-domain> floating-addr <A.B.C.D/LEN>
(vmm-domain)# lag-policy-name <lag-policy-name>
```

lag-policy

lag-policy <lag-policy-name>

Description: Associate Enhanced Lag Policy to Trunk PortGroup

Syntax:

<lag-policy-name>	Enhanced Lag Policy Name

Command Mode: trunk-portgroup : Configure a trunk port group in the VMWare domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# trunk-portgroup <>
(config-vmware-trunk)# lag-policy <lag-policy-name>
```

lag-policy <lag-policy-name>

Description: Associate Enhanced Lag Policy to VMM Domain

Syntax:

<lag-policy-name>	Enhanced Lag Policy Name

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# lag-policy <lag-policy-name>
```

lag-policy <lag-policy-name>

Description: Associate Enhanced Lag Policy to EPG in native mode

Syntax:

<lag-policy-name>	Enhanced Lag Policy Name

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
```

```
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# lag-policy <lag-policy-name>
```

last-name

last-name <WORD>

Description: Set The last name of the locally-authenticated user.

Syntax:

WORD	last name (Max Size 32)

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# last-name <WORD>
```

lastlogin

lastlogin

Description: Show user last login time

Command Mode: exec : Exec Mode

Command Path:

```
# lastlogin
```

latency

latency mode <mode>

Description: Configure latency

Syntax:

mode	Configure Vlan Domain Member
mode	mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# latency mode <mode>
```

layer2-switched flow

layer2-switched flow monitor <WORD>

Description: Configure Netflow on a Policy Group

Syntax:

monitor	Configure Netflow on a Policy Group
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# layer2-switched flow monitor <WORD>
```

layer2-switched flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# layer2-switched flow monitor <WORD>
```

layer2-switched flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# layer2-switched flow monitor <WORD>
```

layer2-switched flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# layer2-switched flow monitor <WORD>
```

layer2-switched flow monitor <arg>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
arg	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# layer2-switched flow monitor <>
```

layer2-switched flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# layer2-switched flow monitor <WORD>
```

layer2-switched flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# layer2-switched flow monitor <WORD>
```

layer2-switched flow monitor <arg>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
arg	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# layer2-switched flow monitor <>
```

layer2-switched flow monitor <WORD>

Description: Configure Netflow on the Interface

Syntax:

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# layer2-switched flow monitor <WORD>
```

layer2-switched flow monitor <WORD>

Description: Configure Netflow on the VPC

Syntax:

monitor	Configure Netflow on the VPC
WORD	Netflow Monitor Policy Name (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# layer2-switched flow monitor <WORD>
```

lbmode

lbmode <Loadbalancing-Mode>

Description: Set Loadbalancing mode for Lag policy

Syntax:

Loadbalancing-Mode	

Command Mode: enhancedlacp : Configure Enhanced LACP mode on DVS uplink ports

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# enhancedlacp <lag-policy-name>
(config-vmware-enhancedlacp)# lbmode <Loadbalancing-Mode>
```

ldap-group-map-rule

ldap-group-map-rule <WORD>

Description: LDAP group map rule name.

Syntax:

WORD	LDAP group map rule name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-group-map-rule <WORD>
```

ldap-group-map

ldap-group-map <WORD>

Description: Add LDAP group map to LDAP Provider group

Syntax:

WORD	LDAP group map name

Command Mode: aaa group server ldap : LDAP server group name.

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa group server ldap <WORD>
(config-ldap)# ldap-group-map <WORD>
```

ldap-group-map <WORD>

Description: LDAP server group map name.

Syntax:

WORD	LDAP group map name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-group-map <WORD>
```

ldap-server attribute

ldap-server attribute <WORD>

Description: An LDAP endpoint attribute to be used as the CiscoAVPair

Syntax:

<WORD>	LDAP endpoint attribute (Max Size 63)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server attribute <WORD>
```

ldap-server basedn

ldap-server basedn <WORD>

Description: The LDAP base DN for user lookup in the LDAP directory tree

Syntax:

<WORD>	user lookup in LDAP directory tree (Max Size 512)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server basedn <WORD>
```

ldap-server filter

ldap-server filter <WORD>

Description: LDAP search filter for the LDAP endpoint

Syntax:

<WORD>	search filter for the LDAP endpoint (Max Size 63)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server filter <WORD>
```

ldap-server host

ldap-server host <A.B.C.D|A:B::C:D|WORD>

Description: LDAP server DNS name or IP address

Syntax:

A.B.C.D/A:B::C:D/WORD	Provide a hostname or IPV4/IPV6 address

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
```

ldap-server retries

ldap-server retries <NUMBER>

Description: Global LDAP server retransmit count

Syntax:

<0-5>	Global LDAP server retransmit count. Number range from=0 to=5

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server retries <NUMBER>
```

ldap-server timeout

ldap-server timeout <NUMBER>

Description: Global LDAP server timeout period in seconds

Syntax:

<1-60>	Global LDAP server timeout period in seconds. Number range from=1 to=60

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server timeout <NUMBER>
```

leaf-group

leaf-group <WORD>

Description: Configure Leaf Group

Syntax:

WORD	Leaf Group name (Max Size 64)

Command Mode: leaf-profile : Configure Leaf Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-profile <WORD>
(config-leaf-profile)# leaf-group <WORD>
```

leaf-group <WORD>

Description: Configure Leaf Group

Syntax:

WORD	Leaf Group name (Max Size 64)

Command Mode: leaf-profile : Configure Leaf Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-profile <WORD>
(config-leaf-profile)# leaf-group <WORD>
```

leaf-interface-group

leaf-interface-group <WORD>

Description: Configure Leaf Interface Group

Syntax:

WORD	Leaf Interface Group name (Max Size 64)

Command Mode: leaf-interface-profile : Create Leaf Interface Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
```

leaf-interface-group <WORD>

Description: Configure Leaf Interface Group

Syntax:

WORD	Leaf Interface Group name (Max Size 64)

Command Mode: leaf-interface-profile : Create Leaf Interface Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
```

leaf-interface-profile

leaf-interface-profile <WORD>

Description: Attach Leaf Interface Profile to the Leaf Profile

Syntax:

WORD	Leaf Interface Profile name (Max Size 64)

Command Mode: leaf-profile : Configure Leaf Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-profile <WORD>
(config-leaf-profile)# leaf-interface-profile <WORD>
```

leaf-interface-profile <WORD>

Description: Create Leaf Interface Profile

Syntax:

WORD	Leaf Interface Profile name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
```

leaf-interface-profile <WORD>

Description: Create Leaf Interface Profile

Syntax:

WORD	Leaf Interface Profile name (Max Size 64)

Command Mode: fabric-internal : Fabric Policy Configuration for internal ports

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-interface-profile <WORD>
```

leaf-interface-profile <WORD>

Description: Attach Leaf Interface Profile to the Leaf Profile

Syntax:

WORD	Leaf Interface Profile name (Max Size 64)

Command Mode: leaf-profile : Configure Leaf Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-profile <WORD>
(config-leaf-profile)# leaf-interface-profile <WORD>
```

leaf-policy-group

leaf-policy-group <WORD>

Description: Configure leaf policy group

Syntax:

WORD	Leaf policy name (Max Size 64)

Command Mode: leaf-group : Configure Leaf Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-profile <WORD>
(config-leaf-profile)# leaf-group <WORD>
(config-leaf-group)# leaf-policy-group <WORD>
```

leaf-policy-group <WORD>

Description: Configure leaf policy group

Syntax:

WORD	Leaf policy name (Max Size 64)

Command Mode: leaf-group : Configure Leaf Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-profile <WORD>
(config-leaf-profile)# leaf-group <WORD>
(config-leaf-group)# leaf-policy-group <WORD>
```

leaf-profile

leaf-profile <WORD>

Description: Configure Leaf Profile

Syntax:

WORD	Leaf Profile name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-profile <WORD>
```

leaf-profile <WORD>

Description: Configure Leaf Profile

Syntax:

WORD	Leaf Profile name (Max Size 64)

Command Mode: fabric-internal : Fabric Policy Configuration for internal ports

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-profile <WORD>
```

leaf

leaf <101-4000>

Description: Provide a Range of Nodes

Syntax:

<101-4000>	Leaf Range or Leaf Name List

Command Mode: leaf-group : Configure Leaf Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-profile <WORD>
(config-leaf-profile)# leaf-group <WORD>
(config-leaf-group)# leaf <101-4000>
```

leaf <101-4000>

Description: Provide a Range of Nodes

Syntax:

<101-4000>	Leaf Range or Leaf Name List

Command Mode: leaf-group : Configure Leaf Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-profile <WORD>
(config-leaf-profile)# leaf-group <WORD>
(config-leaf-group)# leaf <101-4000>
```

leaf <101-4000>

Description: Configure Leaf Node

Syntax:

<101-4000>	Leaf Range or Leaf Name List

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

legacy

legacy forwarding vlan <NUMBER> vlan-domain <WORD>

Description: Set the bridge domain to behave as a L2 vlan in traditional ethernet environment

Syntax:

forwarding	Forwarding keyword
vlan	Legacy Vlan Number
<1-4094>	Legacy Vlan Number. Number range from=1 to=4094
vlan-domain	Name of the vlan domain to use
WORD	Name of the vlan domain to use (Max Size 64)

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# legacy forwarding vlan <NUMBER> vlan-domain <WORD>
```

license smart deregister

license smart deregister

Description: Deregister device from Smart Licensing

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart deregister
```

license smart hostname

license smart hostname privacy <privacyVal>

Description: Device Host Name

Syntax:

privacy	Privacy
privacyVal	privacyVal

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart hostname privacy <privacyVal>
```

license smart import

license smart import certificate <certificate>

Description: Import Certificate

Syntax:

certificate	Certificate of CSSM, CSSM Satellite or Transport Gateway
<certificate>	Content of certificate

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart import certificate <certificate>
```

license smart register

license smart register idtoken <id token> force

Description: Register device for Smart Licensing

Syntax:

idtoken	Use Registration Token to register device
<id token>	Id Token used to register device
force	Override existing registration information

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart register idtoken <id token> force
```

license smart remove

license smart remove certificate <certificate>

Description: Remove certificate

Syntax:

certificate	Certificate of CSSM, CSSM Satellite or Transport Gateway
<certificate>	Content of certificate

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart remove certificate <certificate>
```

license smart renew auth

license smart renew auth

Description: Renew authorization of Smart Licenses in use

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart renew auth
```

license smart renew id

license smart renew id

Description: Renew registration with Smart Licensing

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart renew id
```

license smart reservation cancel

license smart reservation cancel

Description: Cancel a smart license reservation request

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart reservation cancel
```

license smart reservation enable

license smart reservation enable

Description: Enable Permanent License Reservation

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart reservation enable
```

license smart reservation install

license smart reservation install <key>

Description: Install a smart license authorization code

Syntax:

<key>	The authorization key from the CSSM

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart reservation install <key>
```

license smart reservation request

license smart reservation request universal

Description: Request a license reservation

Syntax:

universal	Request a universal license reservation

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart reservation request universal
```

license smart reservation return

license smart reservation return

Description: Return permanent license

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart reservation return
```

license smart reservation return auth

license smart reservation return_auth <authorization code>

Description: Return permanent license install code

Syntax:

<authorization code>	The authorization code

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart reservation return_auth <authorization code>
```

license smart transport-mode proxy

license smart transport-mode proxy ip-address <ip address> port <port number>

Description: HTTP/HTTPS Proxy

Syntax:

ip-address	IP address of third-party proxy server(Apache)
<ip address>	IP address
port	Port number of third-party proxy server (Apache)
<port number>	Port number

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart transport-mode proxy ip-address <ip address> port <port number>
```

license smart transport-mode satellite

license smart transport-mode satellite url <url>

Description: Transport Gateway/Smart Software Manager Satellite

Syntax:

url	URL of CSSM Satellite or Transport Gateway
<url>	http(s)://<ip-address/hostname>:<port>/Transportgateway/services/DeviceRequestHandler

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart transport-mode satellite url <url>
```

license smart transport-mode smart-licensing

license smart transport-mode smart-licensing

Description: Direct Connect to Cisco Smart Software Manager(CSSM)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# license smart transport-mode smart-licensing
```

life-time end

life-time end <end_time>

Description: Set end time

Syntax:

end_time	End time (in YYYY-MM-DDTHH:MM:SS format) or 'infinite'

Command Mode: key : Configure CKN as hex string of max 64 characters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric keychain <WORD>
(config-macsec-keychain)# key <WORD>
(config-macsec-keychain-key)# life-time end <end_time>
```

life-time start

life-time start <start_time> [end <end_time>]

Description: Set start time

Syntax:

start_time	Start time (in YYYY-MM-DDTHH:MM:SS format) or 'now'
end_time	(Optional) End time (in YYYY-MM-DDTHH:MM:SS format) or 'infinite'

Command Mode: key : Configure CKN as hex string of max 64 characters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric keychain <WORD>
(config-macsec-keychain)# key <WORD>
(config-macsec-keychain-key)# life-time start <start_time> [end <end_time>]
```

link-failover-policy

link-failover-policy <WORD>

Description: Configure Fast Link Failover policy

Syntax:

WORD	Provide a Fast Link Failover policy name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# link-failover-policy <WORD>
```

link-failover-policy <arg>

Description: Add Fast Link Failover policy

Syntax:

arg	

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# link-failover-policy <>
```

link

link debounce time <NUMBER>

Description: Configure link

Syntax:

debounce	Configure link debounce timer
time	Link debounce time
<time>	Timer value (in milliseconds). Number range from=0 to=5000

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# link debounce time <NUMBER>
```

link debounce time <NUMBER>

Description: Configure link

Syntax:

debounce	Configure link debounce timer
time	Link debounce time
<time>	Timer value (in milliseconds). Number range from=0 to=5000

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# link debounce time <NUMBER>
```

link debounce time <NUMBER>

Description: Configure link

Syntax:

debounce	Configure link debounce timer
time	Link debounce time
<time>	Timer value (in milliseconds). Number range from=0 to=5000

Command Mode: template spine-interface-policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-interface-policy-group <WORD>
(config-spine-if-pol-grp)# link debounce time <NUMBER>
```

link debounce time <NUMBER>

Description: Configure link

Syntax:

debounce	Configure link debounce timer
time	Link debounce time
<time>	Timer value (in milliseconds). Number range from=0 to=5000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# link debounce time <NUMBER>
```

link debounce time <NUMBER>

Description: Configure link

Syntax:

debounce	Configure link debounce timer
time	Link debounce time
<time>	Timer value (in milliseconds). Number range from=0 to=5000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# link debounce time <NUMBER>
```

link debounce time <NUMBER>

Description: Configure link

Syntax:

debounce	Configure link debounce timer
time	Link debounce time
<time>	Timer value (in milliseconds). Number range from=0 to=5000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# link debounce time <NUMBER>
```

link debounce time <NUMBER>

Description: Configure link

Syntax:

debounce	Configure link debounce timer
time	Link debounce time
<time>	Timer value (in milliseconds). Number range from=0 to=5000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# link debounce time <NUMBER>
```

link debounce time <NUMBER>

Description: Configure link

Syntax:

debounce	Configure link debounce timer
time	Link debounce time
<time>	Timer value (in milliseconds). Number range from=0 to=5000

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
```

```
(config-vpc-if)# link debounce time <NUMBER>
```

lldp

lldp receive|transmit|both|default

Description: Configure Interface LLDP parameters on DVS uplink ports

Syntax:

receive	Enable LLDP reception
transmit	Enable LLDP transmission
both	Enable LLDP in both directions
default	Remove LLDP override policy

Command Mode: configure-dvs : Configure a VMWare Domain as DVS type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-dvs
(config-vmware-dvs)# lldp receive|transmit|both|default
```

lldp receive|transmit|both|default

Description: Configure Interface LLDP parameters on AVS/AVE uplink ports

Syntax:

receive	Enable LLDP reception
transmit	Enable LLDP transmission
both	Enable LLDP in both directions
default	Remove LLDP override policy

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# lldp receive|transmit|both|default
```

lldp receive|transmit|both|default

Description: Configure Interface LLDP parameters on AVS/AVE uplink ports

Syntax:

receive	Enable LLDP reception
transmit	Enable LLDP transmission
both	Enable LLDP in both directions
default	Remove LLDP override policy

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# lldp receive|transmit|both|default
```

lldp receive|transmit

Description: Configure Interface LLDP parameters

Syntax:

receive	Enable LLDP reception on interface
transmit	Enable LLDP transmission on interface

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# lldp receive|transmit
```

lldp receive|transmit

Description: Configure Interface LLDP parameters

Syntax:

receive	Enable LLDP reception on interface
transmit	Enable LLDP transmission on interface

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# lldp receive|transmit
```

lldp receive|transmit

Description: Configure Interface LLDP parameters

Syntax:

receive	Enable LLDP reception on interface
transmit	Enable LLDP transmission on interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# lldp receive|transmit
```

lldp receive|transmit

Description: Configure Interface LLDP parameters

Syntax:

receive	Enable LLDP reception on interface
transmit	Enable LLDP transmission on interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lldp receive|transmit
```

lldp receive|transmit

Description: Configure Interface LLDP parameters

Syntax:

receive	Enable LLDP reception on interface
transmit	Enable LLDP transmission on interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# lldp receive|transmit
```

lldp receive|transmit

Description: Configure Interface LLDP parameters

Syntax:

receive	Enable LLDP reception on interface
transmit	Enable LLDP transmission on interface

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lldp receive|transmit
```

lldp receive|transmit

Description: Configure Interface LLDP parameters

Syntax:

receive	Enable LLDP reception on interface
transmit	Enable LLDP transmission on interface

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# lldp receive|transmit
```

lldp holdtime

lldp holdtime <NUMBER>

Description: Specify the hold time to be sent in LLDP packets

Syntax:

<10-255>	Holdtime in sec. Number range from=10 to=255

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# lldp holdtime <NUMBER>
```

lldp reinit

lldp reinit <NUMBER>

Description: Specify the delay for LLDP initialization on an interface

Syntax:

<1-10>	Reinit Delay in sec. Number range from=1 to=10

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# lldp reinit <NUMBER>
```

lldp timer

lldp timer <NUMBER>

Description: Specify the rate at which LLDP packets are sent

Syntax:

<5-254>	Rate of packets in sec. Number range from=5 to=254

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# lldp timer <NUMBER>
```

load-balance

load-balance <WORD>

Description: Configure load balance hash fields

Syntax:

WORD	Hash Fields

Command Mode: lacp symmetric-hash : Configure symmetric hashing policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# lacp symmetric-hash
(config-po-ch-sym-hash)# load-balance <WORD>
```

load-balance <WORD>

Description: Configure load balance hash fields

Syntax:

WORD	Hash Fields

Command Mode: lacp symmetric-hash : Configure symmetric hashing policy

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp symmetric-hash
(config-po-ch-sym-hash)# load-balance <WORD>
```

load-balance <WORD>

Description: Configure load balance hash fields

Syntax:

WORD	Hash Fields

Command Mode: lacp symmetric-hash : Configure symmetric hashing policy

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# lacp symmetric-hash
```

load-balance

```
(config-po-ch-sym-hash)# load-balance <WORD>
```

local-as

local-as <NUMBER> no-prepend|replace-as|dual-as

Description: Local Autonomous System Configuration for a BGP Peer

Syntax:

<1-4294967295>	The local autonomous system number. Number range from=1 to=4294967295
no-prepend	Do not prepend local-as to updates from ebgp peers
replace-as	Replace real AS with local AS in the EBGP updates
dual-as	Accept either real AS or local AS from the ebgp peer

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# local-as <NUMBER> no-prepend|replace-as|dual-as
```

local-as <NUMBER> no-prepend|replace-as|dual-as

Description: Local Autonomous System Configuration for a BGP Peer

Syntax:

<1-4294967295>	The local autonomous system number. Number range from=1 to=4294967295
no-prepend	Do not prepend local-as to updates from ebgp peers
replace-as	Replace real AS with local AS in the EBGP updates
dual-as	Accept either real AS or local AS from the ebgp peer

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
```

```
(config-leaf-bgp-vrf-neighbor)# local-as <NUMBER> no-prepend|replace-as|dual-as
```

locality

locality <WORD>

Description: Set The city or town of the organization.

Syntax:

<WORD>	city or town (Max Size 64)

Command Mode: csr : A csr mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# csr
(config-csr)# locality <WORD>
```

logfile

logfile [severity <severity>] [format <format>]

Description: Enable the logging to logfile

Syntax:

severity	(Optional) The severity level for the logs
format	(Optional) The format for the syslog messages

Command Mode: logging : Logging server group configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# logging server-group <WORD>
(config-logging)# logfile [severity <severity>] [format <format>]
```

logging

logging server-group <WORD>

Description: Logging server group configuration mode

Syntax:

server-group	Logging Server-Group configuration
WORD	Logging server-group name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# logging server-group <WORD>
```

logging audit

logging audit

Description: Enable audit and session logs to the policy

Command Mode: callhome : Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# logging audit
```

logging audit

Description: Enable audit and session logs to the policy

Command Mode: smartcallhome : Smart Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# logging audit
```

logging audit

Description: Enable audit logs to the policy

Command Mode: syslog : Syslog common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# syslog common
(config-syslog)# logging audit
```

logging description

logging description <WORD>

Description: Add description for syslog common

Syntax:

WORD	Description (Max Size 128) surrounded by single quotes

Command Mode: syslog : Syslog common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# syslog common
(config-syslog)# logging description <WORD>
```

logging event

logging event

Description: Enable event logs to the policy

Command Mode: callhome : Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# logging event
```

logging event

Description: Enable event logs to the policy

Command Mode: smartcallhome : Smart Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# logging event
```

logging event

Description: Enable event logs to the policy

Command Mode: syslog : Syslog common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# syslog common
(config-syslog)# logging event
```

logging fault

logging fault

Description: Enable fault logs to the policy

Command Mode: callhome : Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# logging fault
```

logging fault

Description: Enable fault logs to the policy

Command Mode: smartcallhome : Smart Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# logging fault
```

logging fault

Description: Enable fault logs to the policy

Command Mode: syslog : Syslog common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# syslog common
(config-syslog)# logging fault
```

logging server-group

logging server-group <WORD>

Description: Logging server group configuration

Syntax:

WORD	Logging server-group name (Max Size 64)

Command Mode: syslog : Syslog common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# syslog common
(config-syslog)# logging server-group <WORD>
```

logging session

logging session

Description: Enable session logs to the policy

Command Mode: syslog : Syslog common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# syslog common
(config-syslog)# logging session
```

logging severity

logging severity info|notice|emergency|alert|critical|error|debug|warning

Description: Configure minimum severity level for logs generated

Syntax:

info	Info
notice	Notice
emergency	Emergency
alert	Alert
critical	Critical
error	Error
debug	Debug
warning	Warning

Command Mode: callhome : Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# logging severity info|notice|emergency|alert|critical|error|debug|warning
```

logging severity info|notice|emergency|alert|critical|error|debug|warning

Description: Configure minimum severity level for logs generated

Syntax:

info	Info
notice	Notice
emergency	Emergency
alert	Alert
critical	Critical
error	Error
debug	Debug
warning	Warning

Command Mode: smartcallhome : Smart Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# logging severity
info|notice|emergency|alert|critical|error|debug|warning
```

logging severity emergencies|debugging|critical|errors|warnings|information|alerts|notifications

Description: Configure minimum severity level for logs generated

Syntax:

emergencies	Emergencies
debugging	Debugging
critical	Critical
errors	Errors
warnings	Warnings
information	Information
alerts	Alerts
notifications	Notifications

Command Mode: syslog : Syslog common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# syslog common
(config-syslog)# logging severity
emergencies|debugging|critical|errors|warnings|information|alerts|notifications
```

logit

logit severity <severity> dest-grp <WORD> server <Remote Dest Name> <Syslog message>

Description: Syslog send message command

Syntax:

severity	The severity level for the logs
severity	severity
dest-grp	Remote destination group
WORD	Logging server-group name (Max Size 64)
server	Remote destination name
Remote Dest Name	The hostname or ipaddress
Syslog message	Message sent to syslog server

Command Mode: exec : Exec Mode

Command Path:

```
# logit severity <severity> dest-grp <WORD> server <Remote Dest Name> <Syslog message>
```

logit severity dest-grp server node

logit severity <severity> dest-grp <WORD> server <Remote Dest Name> <Syslog message> node <Source node>

Description: Source node

Syntax:

severity	The severity level for the logs
severity	severity
dest-grp	Remote destination group
WORD	Logging server-group name (Max Size 64)
server	Remote destination name
Remote Dest Name	The hostname or ipaddress
Syslog message	Message sent to syslog server
Source node	leaf or spine node. Number range from=0 to=9223372036854775807

Command Mode: exec : Exec Mode

Command Path:

```
# logit severity <severity> dest-grp <WORD> server <Remote Dest Name> <Syslog message> node
 <Source node>
```

lsp-fast-flood

lsp-fast-flood

Description: Enables the ISIS LSP fast flood

Command Mode: isis : Intermediate System to Intermediate System (IS-IS)

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# isis fabric
(config-pod-isis)# lsp-fast-flood
```

lsp-fast-flood

Description: Enables the ISIS LSP fast flood

Command Mode: template isis-fabric : InterSystem-InterSystem Protocol (IS-IS)

Command Path:

```
# configure [['terminal', 't']]
(config)# template isis-fabric <WORD>
(config-template-isis-fabric)# lsp-fast-flood
```

lsp-gen-interval

lsp-gen-interval level-1 <NUMBER> <50-120000> <50-120000>

Description: Set the ISIS LSP generation maximal wait interval

Syntax:

level-1	Level 1
<50-120000>	LSP generation maximum wait interval. Number range from=50 to=120000
<50-120000> <50-120000>	Initial and secondary wait intervals (both values are required)

Command Mode: isis : Intermediate System to Intermediate System (IS-IS)

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# isis fabric
(config-pod-isis)# lsp-gen-interval level-1 <NUMBER> <50-120000> <50-120000>
```

lsp-gen-interval level-1 <NUMBER> <50-120000> <50-120000>

Description: Set the ISIS LSP generation maximal wait interval

Syntax:

level-1	Level 1
<50-120000>	LSP generation maximum wait interval. Number range from=50 to=120000
<50-120000> <50-120000>	Initial and secondary wait intervals (both values are required)

Command Mode: template isis-fabric : InterSystem-InterSystem Protocol (IS-IS)

Command Path:

```
# configure [['terminal', 't']]
(config)# template isis-fabric <WORD>
(config-template-isis-fabric)# lsp-gen-interval level-1 <NUMBER> <50-120000> <50-120000>
```

lsp-mtu

lsp-mtu <NUMBER>

Description: Set the configuration of link-state packet (LSP) maximum transmission units (MTU) value

Syntax:

<256-4352>	The configuration of link-state packet (LSP) maximum transmission units (MTU).. Number range from=256 to=4352

Command Mode: isis : Intermediate System to Intermediate System (IS-IS)

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# isis fabric
(config-pod-isis)# lsp-mtu <NUMBER>
```

lsp-mtu <NUMBER>

Description: Set the configuration of link-state packet (LSP) maximum transmission units (MTU) value

Syntax:

<256-4352>	The configuration of link-state packet (LSP) maximum transmission units (MTU).. Number range from=256 to=4352

Command Mode: template isis-fabric : InterSystem-InterSystem Protocol (IS-IS)

Command Path:

```
# configure [['terminal', 't']]
(config)# template isis-fabric <WORD>
(config-template-isis-fabric)# lsp-mtu <NUMBER>
```

M Commands

mac-address

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Add a custom MAC address to the bridgedomain

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# mac-address
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address <WORD>

Description: Configure Anycast MAC Address for L4-L7 Graph Connector

Syntax:

| *WORD* | Enter MAC address for anycast (Max Size None) |

Command Mode: subnet-ip : Configure Subnet IP for a L4-l7 Graph Connector.

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode
 <Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]
(config-service)# connector <WORD> [cluster-interface <WORD>]
(config-connector)# subnet-ip <WORD> [subnet-ctrl <ctrl>]
(config-subnet-ip)# mac-address <WORD>
```

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Manually set interface MAC address

Syntax:

| *E.E.E* | MAC address (Option 1) |

EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure mac Address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address <WORD>

Description: Virtual MAC address

Syntax:

| *WORD* | MAC address(FORMAT:xxxx.xxxx.xxxx) |

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# mac-address <WORD>
```

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure mac Address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address <WORD>

Description: Virtual MAC address

Syntax:

WORD	MAC address(FORMAT:xxxx.xxxx.xxxx)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# mac-address <WORD>
```

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Manually set interface MAC address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# mac-address
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Manually set interface MAC address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure mac Address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address <WORD>

Description: Virtual MAC address

Syntax:

WORD	MAC address(FORMAT:xxxx.xxxx.xxxx)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# mac-address <WORD>
```

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure mac Address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address <WORD>

Description: Virtual MAC address

Syntax:

WORD	MAC address(FORMAT:xxxx.xxxx.xxxx)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
```

```
(config-if-hsrp)# mac-address <WORD>
```

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Manually set interface MAC address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# mac-address
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-changes

mac-changes accept

Description: Enable/disable MAC changes on trunk

Syntax:

accept	enable

Command Mode: trunk-portgroup : Configure a trunk port group in the VMWare domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# trunk-portgroup <>
(config-vmware-trunk)# mac-changes accept
```

mac-learning

mac-learning \<arg>

Description: enable/disable mac-learning on the qinq-tunnel

Syntax:

arg	

Command Mode: dot1q-tunnel : Tunnel configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dot1q-tunnel <WORD>
(config-tenant-tunnel)#mac-learning <>
```

managed-config-check

managed-config-check

Description: Enable managed address configuration check in router advertisement guard policy

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# managed-config-check
```

managed-config-flag

managed-config-flag

Description: Set managed address configuration flag in router advertisement guard policy

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# managed-config-flag
```

managed-uplink-prof

managed-uplink-prof <externalId>

Description: Managed Uplink Profile

Syntax:

externalId	Managed Uplink Prof

Command Mode: integrations-mgr : Integrations Manager

Command Path:

```
# configure [['terminal', 't']]
(config)# integrations-group <WORD>
(config-integrations-group)# integrations-mgr <WORD> <type>
(config-integrations-mgr)# managed-uplink-prof <externalId>
```

management-epg

management-epg <WORD>

Description: Set the TACACS+ accounting mgmt epg

Syntax:

WORD	MgmtEndpoint

Command Mode: remote-dest : TACACS Accounting remote destination's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacslog-group <WORD>
(config-tacacslog-group)# remote-dest <A.B.C.D|A:B::C:D|WORD> port <port>
(config-remote-dest)# management-epg <WORD>
```

master

master [stratum <NUMBER>]

Description: Master Mode for NTP Server

Syntax:

<1-14>	(Optional) Time in seconds. Number range from=1 to=14

Command Mode: ntp : Configure the default ntp policy

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# ntp
(config-ntp)# master [stratum <NUMBER>]
```

master [stratum <NUMBER>]

Description: Master Mode for NTP Server

Syntax:

<1-14>	(Optional) Time in seconds. Number range from=1 to=14

Command Mode: template ntp-fabric : Network Time Protocol (NTP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template ntp-fabric <WORD>
(config-template-ntp-fabric)# master [stratum <NUMBER>]
```

match-precedence

match-precedence <integer-value>

Description: Configure User Precedence

Syntax:

integer-value	Configure User Precedence

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# match-precedence <integer-value>
```

match

match <WORD>

Description: Set match protocol

Syntax:

WORD	Policer Mode

Command Mode: policy-protocol : Create policy protocol

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-if <WORD>
(config-pmap-copp-if)# policy-protocol <WORD>
(config-pmap-copp-if)# match <WORD>
```

match dscp|dot1p <WORD> <WORD> [set-class <WORD>] [set-dscp <WORD>] [set-cos <WORD>]

Description: Add a rule to match DSCP or DOT1P, queue the traffic and optionally mutate it

Syntax:

dscp	Match entry for DSCP
dot1p	Match entry for DOT1P
WORD	From of DSCP or DOT1P range
WORD	To of DSCP or DOT1P range
WORD	(Optional) Set the QOS class for the traffic
WORD	(Optional) DSCP rewrite
WORD	(Optional) Dot1P rewrite

Command Mode: policy-map type qos : QOS policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type qos <WORD>
(config-tenant-pmap-qos)# match dscp|dot1p <WORD> <WORD> [set-class <WORD>] [set-dscp <WORD>]
 [set-cos <WORD>]
```

match <arg>

Description: Configure match

Syntax:

arg	

Command Mode: flow record : Configure Netflow Record

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow record <WORD>
(config-tn-flow-record)# match <>
```

match <arg>

Description: Configure match

Syntax:

arg	

Command Mode: flow record : Configure Netflow Record

Command Path:

```
# configure [['terminal', 't']]
(config)# flow record <WORD>
(config-flow-record)# match <>
```

match arp

match arp

Description: Match the ARP traffic

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match arp
```

match bridge-domain

match bridge-domain <arg> [tenant <tenant>]

Description: Match subnets of a bridge-domain

Syntax:

arg	
tenant	(Optional) Tenant name

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
```

match bridge-domain <arg> [tenant <tenant>]

Description: Match subnets of a bridge-domain

Syntax:

arg	
tenant	(Optional) Tenant name

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
```

match dscp

match dscp <0-64>

Description: Match DSCP traffic

Syntax:

<0-64>	DSCP Value

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match dscp <0-64>
```

match icmp

match icmp

Description: Match the ICMP traffic

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match icmp
```

match ip

match ip

Description: Match the IP traffic

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match ip
```

match ip <A.B.C.D/LEN> [shared]

Description: Add a subnet that identify hosts being part of the epg

Syntax:

A.B.C.D/LEN	IP prefix and network mask length
shared	(Optional) Add the shared scope to the existing scope for the subnet

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# match ip <A.B.C.D/LEN> [shared]
```

match ip multicast group

match ip multicast group <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast group <A.B.C.D/LEN>
```

match ip multicast group rp

match ip multicast group <A.B.C.D/LEN> rp <A.B.C.D/LEN>

Description: Rendezvous point prefix

Syntax:

A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast group <A.B.C.D/LEN> rp <A.B.C.D/LEN>
```

match ip multicast group rp source

match ip multicast group <A.B.C.D/LEN> rp <A.B.C.D/LEN> source <A.B.C.D/LEN>

Description: source prefix

Syntax:

A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast group <A.B.C.D/LEN> rp <A.B.C.D/LEN> source
<A.B.C.D/LEN>
```

match ip multicast group source

match ip multicast group <A.B.C.D/LEN> source <A.B.C.D/LEN>

Description: source prefix

Syntax:

A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast group <A.B.C.D/LEN> source <A.B.C.D/LEN>
```

match ip multicast group source rp

match ip multicast group <A.B.C.D/LEN> source <A.B.C.D/LEN> rp <A.B.C.D/LEN>

Description: Rendezvous point prefix

Syntax:

A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast group <A.B.C.D/LEN> source <A.B.C.D/LEN> rp
<A.B.C.D/LEN>
```

match ip multicast rp

match ip multicast rp <A.B.C.D/LEN>

Description: Rendezvous point prefix

Syntax:

A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast rp <A.B.C.D/LEN>
```

match ip multicast rp group

match ip multicast rp <A.B.C.D/LEN> group <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast rp <A.B.C.D/LEN> group <A.B.C.D/LEN>
```

match ip multicast rp group source

match ip multicast rp <A.B.C.D/LEN> group <A.B.C.D/LEN> source <A.B.C.D/LEN>

Description: source prefix

Syntax:

A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast rp <A.B.C.D/LEN> group <A.B.C.D/LEN> source
<A.B.C.D/LEN>
```

match ip multicast rp source

match ip multicast rp <A.B.C.D/LEN> source <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast rp <A.B.C.D/LEN> source <A.B.C.D/LEN>
```

match ip multicast rp source group

match ip multicast rp <A.B.C.D/LEN> source <A.B.C.D/LEN> group <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast rp <A.B.C.D/LEN> source <A.B.C.D/LEN> group
<A.B.C.D/LEN>
```

match ip multicast source

match ip multicast source <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast source <A.B.C.D/LEN>
```

match ip multicast source group

match ip multicast source <A.B.C.D/LEN> group <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast source <A.B.C.D/LEN> group <A.B.C.D/LEN>
```

match ip multicast source group rp

match ip multicast source <A.B.C.D/LEN> group <A.B.C.D/LEN> rp <A.B.C.D/LEN>

Description: Rendezvous point prefix

Syntax:

A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast source <A.B.C.D/LEN> group <A.B.C.D/LEN> rp
<A.B.C.D/LEN>
```

match ip multicast source rp

match ip multicast source <A.B.C.D/LEN> rp <A.B.C.D/LEN>

Description: Rendezvous point prefix

Syntax:

A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast source <A.B.C.D/LEN> rp <A.B.C.D/LEN>
```

match ip multicast source rp group

match ip multicast source <A.B.C.D/LEN> rp <A.B.C.D/LEN> group <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast source <A.B.C.D/LEN> rp <A.B.C.D/LEN> group
<A.B.C.D/LEN>
```

match ipv6

match ipv6 X:X:X:X::X/<0-128>

Description: Add a subnet that identify hosts being part of the epg

Syntax:

X:X:X:X::X/<0-128>	IPv6 prefix and network mask length

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# match ipv6 X:X:X:X::X/<0-128>
```

match ipv6 multicast group

match ipv6 multicast group <A:B::C:D/LEN>

Description: Multicast Group prefix

Syntax:

A:B::C:D/LEN	IPv6 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast group <A:B::C:D/LEN>
```

match ipv6 multicast group rp

match ipv6 multicast group <A:B::C:D/LEN> rp <A:B::C:D/LEN>

Description: Rendezvous point prefix

Syntax:

A:B::C:D/LEN	IPv6 group prefix and network mask length
A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast group <A:B::C:D/LEN> rp <A:B::C:D/LEN>
```

match ipv6 multicast group rp source

match ipv6 multicast group <A:B::C:D/LEN> rp <A:B::C:D/LEN> source <A:B::C:D/LEN>

Description: source prefix

Syntax:

A:B::C:D/LEN	IPv6 group prefix and network mask length
A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length
A:B::C:D/LEN	IPv6 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast group <A:B::C:D/LEN> rp <A:B::C:D/LEN> source
<A:B::C:D/LEN>
```

match ipv6 multicast group source

match ipv6 multicast group <A:B::C:D/LEN> source <A:B::C:D/LEN>

Description: source prefix

Syntax:

A:B::C:D/LEN	IPv6 group prefix and network mask length
A:B::C:D/LEN	IPv6 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast group <A:B::C:D/LEN> source <A:B::C:D/LEN>
```

match ipv6 multicast group source rp

match ipv6 multicast group <A:B::C:D/LEN> source <A:B::C:D/LEN> rp <A:B::C:D/LEN>

Description: Rendezvous point prefix

Syntax:

A:B::C:D/LEN	IPv6 group prefix and network mask length
A:B::C:D/LEN	IPv6 source prefix and network mask length
A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast group <A:B::C:D/LEN> source <A:B::C:D/LEN> rp
<A:B::C:D/LEN>
```

match ipv6 multicast rp

match ipv6 multicast rp <A:B::C:D/LEN>

Description: Rendezvous point prefix

Syntax:

A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast rp <A:B::C:D/LEN>
```

match ipv6 multicast rp group

match ipv6 multicast rp <A:B::C:D/LEN> group <A:B::C:D/LEN>

Description: Multicast Group prefix

Syntax:

A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length
A:B::C:D/LEN	IPv6 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast rp <A:B::C:D/LEN> group <A:B::C:D/LEN>
```

match ipv6 multicast rp group source

match ipv6 multicast rp <A:B::C:D/LEN> group <A:B::C:D/LEN> source <A:B::C:D/LEN>

Description: source prefix

Syntax:

A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length
A:B::C:D/LEN	IPv6 group prefix and network mask length
A:B::C:D/LEN	IPv6 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast rp <A:B::C:D/LEN> group <A:B::C:D/LEN> source
<A:B::C:D/LEN>
```

match ipv6 multicast rp source

match ipv6 multicast rp <A:B::C:D/LEN> source <A:B::C:D/LEN>

Description: Multicast Group prefix

Syntax:

A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length
A:B::C:D/LEN	IPv6 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast rp <A:B::C:D/LEN> source <A:B::C:D/LEN>
```

match ipv6 multicast rp source group

match ipv6 multicast rp <A:B::C:D/LEN> source <A:B::C:D/LEN> group <A:B::C:D/LEN>

Description: Multicast Group prefix

Syntax:

A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length
A:B::C:D/LEN	IPv6 source prefix and network mask length
A:B::C:D/LEN	IPv6 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast rp <A:B::C:D/LEN> source <A:B::C:D/LEN> group
<A:B::C:D/LEN>
```

match ipv6 multicast source

match ipv6 multicast source <A:B::C:D/LEN>

Description: Multicast Group prefix

Syntax:

A:B::C:D/LEN	IPv6 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast source <A:B::C:D/LEN>
```

match ipv6 multicast source group

match ipv6 multicast source <A:B::C:D/LEN> group <A:B::C:D/LEN>

Description: Multicast Group prefix

Syntax:

A:B::C:D/LEN	IPv6 source prefix and network mask length
A:B::C:D/LEN	IPv6 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast source <A:B::C:D/LEN> group <A:B::C:D/LEN>
```

match ipv6 multicast source group rp

match ipv6 multicast source <A:B::C:D/LEN> group <A:B::C:D/LEN> rp <A:B::C:D/LEN>

Description: Rendezvous point prefix

Syntax:

A:B::C:D/LEN	IPv6 source prefix and network mask length
A:B::C:D/LEN	IPv6 group prefix and network mask length
A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast source <A:B::C:D/LEN> group <A:B::C:D/LEN> rp
<A:B::C:D/LEN>
```

match ipv6 multicast source rp

match ipv6 multicast source <A:B::C:D/LEN> rp <A:B::C:D/LEN>

Description: Rendezvous point prefix

Syntax:

A:B::C:D/LEN	IPv6 source prefix and network mask length
A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast source <A:B::C:D/LEN> rp <A:B::C:D/LEN>
```

match ipv6 multicast source rp group

match ipv6 multicast source <A:B::C:D/LEN> rp <A:B::C:D/LEN> group <A:B::C:D/LEN>

Description: Multicast Group prefix

Syntax:

A:B::C:D/LEN	IPv6 source prefix and network mask length
A:B::C:D/LEN	IPv6 Rendezvous point prefix and network mask length
A:B::C:D/LEN	IPv6 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ipv6 multicast source <A:B::C:D/LEN> rp <A:B::C:D/LEN> group
<A:B::C:D/LEN>
```

match prefix-list

match prefix-list <WORD> [deny]

Description: Match entries of a prefix-list

Syntax:

WORD	Name of prefix-list (Max Size 63)
deny	(Optional) Reject routes on match

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
```

match prefix-list <WORD> [deny]

Description: Match entries of a prefix-list

Syntax:

WORD	Name of prefix-list (Max Size 63)
deny	(Optional) Reject routes on match

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
```

match raw

match raw <WORD> [tcpRules <tcpRules>] [arpOpc <arpOpc>] [applyToFrag <applyToFrag>] [dToPort <NUMBER>] [prot <NUMBER>] [icmpv4T <icmpv4T>] [stateful <stateful>] [icmpv6T <icmpv6T>] [sToPort <NUMBER>] [etherT <etherT>] [sFromPort <NUMBER>] [dFromPort <NUMBER>] [matchDscp <0-64>]

Description: Specify a raw vzEntry

Syntax:

WORD	Entry Name (Max Size 64)
tcpRules	(Optional) TCP Flags as comma separated values like val1,val2,..valN
arpOpc	(Optional) ARP Opcodes
applyToFrag	(Optional) Apply to Fragment
<0-65535>	(Optional) L4 Destination Port. Number range from=0 to=65535
<0-255>	(Optional) IP Protocol. Number range from=0 to=255
icmpv4T	(Optional) ICMP Type
stateful	(Optional) Stateful flag
icmpv6T	(Optional) ICMPv6 Type
<0-65535>	(Optional) L4 Source Port. Number range from=0 to=65535
etherT	(Optional) Ethernet Type
<0-65535>	(Optional) L4 Source Port. Number range from=0 to=65535
<0-65535>	(Optional) L4 Destination Port. Number range from=0 to=65535
<0-64>	(Optional) DSCP Value

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match raw <WORD> [tcpRules <tcpRules>] [arpOpc <arpOpc>] [applyToFrag
 <applyToFrag>] [dToPort <NUMBER>] [prot <NUMBER>] [icmpv4T <icmpv4T>] [stateful <stateful>]
 [icmpv6T <icmpv6T>] [sToPort <NUMBER>] [etherT <etherT>] [sFromPort <NUMBER>] [dFromPort
<NUMBER>] [matchDscp <0-64>]
```

match route group

match route group <arg> [order <order>] [deny]

Description: Route group

Syntax:

arg	
order	(Optional) Relative order for the entry. Number range from=0 to=9
deny	(Optional) Reject routes on match

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
```

match route group <arg> [order <order>] [deny]

Description: Route group

Syntax:

arg	
order	(Optional) Relative order for the entry. Number range from=0 to=9
deny	(Optional) Reject routes on match

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
```

match tcp

match tcp [src <from>-[<to>] contained in <0-65535>] [dest <from>-[<to>] contained in <0-65535>]

Description: Match TCP traffic

Syntax:

<from>-[<to>] contained in <0-65535>	(Optional) TCP Source port Range
<from>-[<to>] contained in <0-65535>	(Optional) TCP Destination port Range

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match tcp [src <from>-[<to>] contained in <0-65535>] [dest <from>-[<to>]
 contained in <0-65535>]
```

match udp

match udp [src <from>-[<to>] contained in <0-65535>] [dest <from>-[<to>] contained in <0-65535>]

Description: Match UDP traffic

Syntax:

<from>-[<to>] contained in <0-65535>	(Optional) UDP Source port Range
<from>-[<to>] contained in <0-65535>	(Optional) UDP Destination port Range

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match udp [src <from>-[<to>] contained in <0-65535>] [dest <from>-[<to>]
 contained in <0-65535>]
```

max-lsa

max-lsa <NUMBER> <NUMBER> reject|restart|log

Description: Feature to limit the number of non-self-originated LSAs

Syntax:

<1-4294967295>	Set maximum number of non self-generated LSAs. Number range from=1 to=4294967295
<1-100>	Threshold value (%) at which to generate a warning message. Number range from=1 to=100
reject	Reject LSAs beyond the limit
restart	Restart the neighbor
log	log a warning

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# max-lsa <NUMBER> <NUMBER> reject|restart|log
```

max-lsa <NUMBER> <NUMBER> reject|restart|log

Description: Feature to limit the number of non-self-originated LSAs

Syntax:

<1-4294967295>	Set maximum number of non self-generated LSAs. Number range from=1 to=4294967295
<1-100>	Threshold value (%) at which to generate a warning message. Number range from=1 to=100
reject	Reject LSAs beyond the limit
restart	Restart the neighbor
log	log a warning

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
```

```
(config-vrf-policy)# max-lsa <NUMBER> <NUMBER> reject|restart|log
```

max-validity-period

max-validity-period <NUMBER>

Description: Set The maximum validity period for a webtoken

Syntax:

<4-24>	Set The maximum validity period for a webtoken. Number range from=4 to=24

Command Mode: crypto webtoken : The cryptographic data used for generating and verifying web tokens.

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto webtoken
(config-webtoken)# max-validity-period <NUMBER>
```

max

max <4000-30000>

Description: Set max power wattage for interface

Syntax:

<4000-30000>	Max power consumption in milliwatts

Command Mode: switchport power-over-ethernet : Power Over Ethernet configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport power-over-ethernet <WORD>
(config-power-over-ethernet)# max <4000-30000>
```

max concurrent

max concurrent nodes <NUMBER>

Description: Set the window maximum concurrent node limit

Syntax:

nodes	Maximum number of tasks that can be processed concurrently.
<0-65535>	Enter maximum number of concurrent nodes. 0 for unlimited. Number range from=0 to=65535

Command Mode: absolute : Absolute window configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# absolute window <WORD>
(config-scheduler-absolute)# max concurrent nodes <NUMBER>
```

max concurrent nodes <NUMBER>

Description: Set the window maximum concurrent node limit

Syntax:

nodes	Maximum number of tasks that can be processed concurrently.
<0-65535>	Enter maximum number of concurrent nodes. 0 for unlimited. Number range from=0 to=65535

Command Mode: recurring : Recurring window configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# recurring window <WORD>
(config-scheduler-recurring)# max concurrent nodes <NUMBER>
```

max running

max running time <TIME>

Description: Set the window maximum running time

Syntax:

time	Maximum running time
TIME	Enter the maximum running time in dd:hh:mm:ss. 0 for unlimited

Command Mode: absolute : Absolute window configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# absolute window <WORD>
(config-scheduler-absolute)# max running time <TIME>
```

max running time <TIME>

Description: Set the window maximum running time

Syntax:

time	Maximum running time in milliseconds
TIME	Enter the maximum running time in dd:hh:mm:ss. 0 for unlimited

Command Mode: recurring : Recurring window configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# recurring window <WORD>
(config-scheduler-recurring)# max running time <TIME>
```

maxas-limit

maxas-limit <NUMBER>

Description: Configure BGP Maximum AS limit

Syntax:

<0-2000>	BGP Maximum AS limit. Number range from=0 to=2000

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# maxas-limit <NUMBER>
```

maxas-limit <NUMBER>

Description: Configure BGP Maximum AS limit

Syntax:

<0-2000>	BGP Maximum AS limit. Number range from=0 to=2000

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# maxas-limit <NUMBER>
```

maximum-hop-limit

maximum-hop-limit <NUMBER>

Description: Config maximum hop limit in router advertisement guard policy

Syntax:

<hop-limit>	Specify hop limit. Number range from=1 to=255

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# maximum-hop-limit <NUMBER>
```

maximum-paths

maximum-paths <NUMBER>

Description: Set the maximum ECMP for the OSPF protocol

Syntax:

<1-64>	Maximum paths. Number range from=1 to=64

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# maximum-paths <NUMBER>
```

maximum-paths <arg> <arg>

Description: Configure multipath for BGP paths

Syntax:

arg	
arg	

Command Mode: template bgp address-family : Configure Router BGP Address Family Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp address-family <WORD> tenant <WORD>
(config-bgp-af)# maximum-paths <> <>
```

maximum-paths <NUMBER>

Description: Set EIGRP Maximum Path Limit

Syntax:

<1-16>	Maximum Path Limit. Number range from=1 to=16

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp vrf-policy <WORD> tenant <WORD>
```

```
(config-template-eigrp-vrf-pol)# maximum-paths <NUMBER>
```

maximum-paths <NUMBER>

Description: Set EIGRP Maximum Path Limit

Syntax:

<1-16>	Maximum Path Limit. Number range from=1 to=16

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# maximum-paths <NUMBER>
```

maximum-paths <NUMBER>

Description: Set the maximum ECMP for the OSPF protocol

Syntax:

<1-64>	Maximum paths. Number range from=1 to=64

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# maximum-paths <NUMBER>
```

maximum-paths <arg> <arg>

Description: Configure multipath for BGP paths

Syntax:

arg	
arg	

Command Mode: template bgp address-family : Configure Router BGP Address Family Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp address-family <WORD> tenant <WORD>
```

```
(config-bgp-af)# maximum-paths <> <>
```

maximum-paths <NUMBER>

Description: Set EIGRP Maximum Path Limit

Syntax:

<1-16>	Maximum Path Limit. Number range from=1 to=16

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# maximum-paths <NUMBER>
```

maximum-paths <NUMBER>

Description: Set EIGRP Maximum Path Limit

Syntax:

<1-16>	Maximum Path Limit. Number range from=1 to=16

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# maximum-paths <NUMBER>
```

maximum-prefix

maximum-prefix <NUMBER> [action <action>] [threshold <NUMBER>] [restart-time <NUMBER>]

Description: Maximum number of prefixes from this neighbor

Syntax:

<1-300000>	Max. prefix limit. Number range from=1 to=300000
<action>	(Optional) Action to be performed when the maximum prefix limit is reached
<1-100>	(Optional) The threshold % of the maximum number of prefixes before a warning is issued. Number range from=1 to=100
<1-65535>	(Optional) The period of time in minutes before restarting the peer when the prefix limit is reached. Number range from=1 to=65535

Command Mode: address-family : Configure an address-family for peer

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# address-family ipv4|ipv6|l2vpn unicast|multicast|evpn
(config-leaf-bgp-vrf-neighbor-af)# maximum-prefix <NUMBER> [action <action>] [threshold
<NUMBER>] [restart-time <NUMBER>]
```

maximum-prefix <NUMBER> [action <action>] [threshold <NUMBER>] [restart-time <NUMBER>]

Description: Maximum number of prefixes from this neighbor

Syntax:

<1-300000>	Max. prefix limit. Number range from=1 to=300000
<action>	(Optional) Action to be performed when the maximum prefix limit is reached
<1-100>	(Optional) The threshold % of the maximum number of prefixes before a warning is issued. Number range from=1 to=100
<1-65535>	(Optional) The period of time in minutes before restarting the peer when the prefix limit is reached. Number range from=1 to=65535

Command Mode: address-family : Configure an address-family for peer

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# address-family ipv4|ipv6|l2vpn unicast|multicast|evpn
(config-leaf-bgp-vrf-neighbor-af)# maximum-prefix <NUMBER> [action <action>] [threshold
<NUMBER>] [restart-time <NUMBER>]
```

maximum-router-preference

maximum-router-preference high|low|medium

Description: Config maximum router preference in router advertisement guard policy

Syntax:

high	Configure router preference as high
low	Configure router preference as low
medium	Configure router preference as medium

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# maximum-router-preference high|low|medium
```

maxthreshold

maxthreshold <maxThresholdValue>

Description: Set maximum threshold for WRED

Syntax:

| *maxThresholdValue* | Set maximum threshold for WRED. Number range from=0 to=100 |

Command Mode: algo : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# algo wred|tail-drop
(config-qos-algo)# maxthreshold <maxThresholdValue>
```

mcp

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# mcp enable
```

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# mcp enable
```

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# mcp enable
```

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# mcp enable
```

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# mcp enable
```

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# mcp enable
```

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# mcp enable
```

mcp action

mcp action port-disable

Description: Configure MCP Loop Protection Action

Syntax:

port-disable	Disable the port when MCP detects loop

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp action port-disable
```

mcp control pdu-per-vlan

mcp control pdu-per-vlan

Description: Configure MCP State Control To Pdu-per-vlan

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp control pdu-per-vlan
```

mcp description

mcp description <description>

Description: Update description for MCP policy

Syntax:

<description>	

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp description <description>
```

mcp enable

mcp enable key <WORD>

Description: Enable/Disable MCP Protocol

Syntax:

key	Configure MCP key
WORD	MCP key

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp enable key <WORD>
```

mcp factor

mcp factor <NUMBER>

Description: Configure MCP Loop Detection Factor

Syntax:

<1-255>	MCP Loop Detection Multipication Factor. Number range from=1 to=255

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp factor <NUMBER>
```

mcp init-delay

mcp init-delay <NUMBER>

Description: Configure MCP Loop Detection Init Delay Time

Syntax:

<0-1800>	MCP Loop Detection Init Delay Time. Number range from=0 to=1800

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp init-delay <NUMBER>
```

mcp transmit-frequency

mcp transmit-frequency <NUMBER> <NUMBER>

Description: Configure MCP Advertisement Transmit Frequency

Syntax:

<0-300>	MCP Advertisement Tx Frequency. Number range from=0 to=300
<0-999>	MCP Advertisement Tx Frequency Milliseconds. Number range from=0 to=999

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp transmit-frequency <NUMBER> <NUMBER>
```

member

member device <WORD> device-interface <WORD>

Description: Configure Cluster Interface Member

Syntax:

device	Cluster Device
WORD	Cluster Device name (Max Size 64)
device-interface	Cluster Device Interface
WORD	Cluster Device Interface (Max Size 256)

Command Mode: cluster-interface : Configure L4-L7 Cluster Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
(config-cluster)# cluster-interface <WORD> [vlan <NUMBER>]
(config-cluster-interface)# member device <WORD> device-interface <WORD>
```

message-level

message-level info|notice|emergency|alert|critical|error|debug|warning

Description: Configure the urgency of the message

Syntax:

info	Info
notice	Notice
emergency	Emergency
alert	Alert
critical	Critical
error	Error
debug	Debug
warning	Warning

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# message-level
info|notice|emergency|alert|critical|error|debug|warning
```

message-level info|notice|emergency|alert|critical|error|debug|warning

Description: Configure the urgency of the message

Syntax:

info	Info
notice	Notice
emergency	Emergency
alert	Alert
critical	Critical
error	Error
debug	Debug

warning	Warning

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# message-level
info|notice|emergency|alert|critical|error|debug|warning
```

message-size

message-size <NUMBER>

Description: Configure the size of the message

Syntax:

<size>	The size of the messages. Number range from=0 to=5000000

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# message-size <NUMBER>
```

message-size <NUMBER>

Description: Configure the size of the message

Syntax:

<size>	The size of the messages. Number range from=0 to=5000000

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# message-size <NUMBER>
```

metric

metric version 64bit

Description: Set EIGRP Metric Style

Syntax:

version	Metric Style
64bit	wide metric

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# metric version 64bit
```

metric version 64bit

Description: Set EIGRP Metric Style

Syntax:

version	Metric Style
64bit	wide metric

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# metric version 64bit
```

metric version 64bit

Description: Set EIGRP Metric Style

Syntax:

version	Metric Style
64bit	wide metric

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# metric version 64bit
```

metric version 64bit

Description: Set EIGRP Metric Style

Syntax:

version	Metric Style
64bit	wide metric

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# metric version 64bit
```

mgmt-cdp

mgmt-cdp <WORD>

Description: Configure CDP policy for management interfaces on spines and leaves

Syntax:

WORD	Configure CDP policy for management interfaces on spines and leaves

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mgmt-cdp <WORD>
```

mgmt-cdp <arg>

Description: Add mgmt CDP policy to policy group

Syntax:

arg	

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# mgmt-cdp <>
```

mgmt-cdp <arg>

Description: Add mgmt CDP policy to policy group

Syntax:

arg	

Command Mode: template spine-policy-group : Configure Spine Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-policy-group <WORD>
(config-spine-policy-group)# mgmt-cdp <>
```

mgmt-connectivity-pref

mgmt-connectivity-pref inband|ooband

Description: Set Mgmt Connectivity Preference

Syntax:

inband	Set to inband
ooband	Set to outband

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mgmt-connectivity-pref inband|ooband
```

mgmt-epg

mgmt-epg in-band|out-of-band <WORD>

Description: Select remote path management EPG

Syntax:

in-band	In-Band EPG
out-of-band	Out-of-Band EPG
WORD	Management EPG name

Command Mode: remote : Remote path configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# remote path <WORD>
(config-remote)# mgmt-epg in-band|out-of-band <WORD>
```

mgmt-lldp

mgmt-lldp <WORD>

Description: Configure LLDP policy for management interfaces on spines and leaves

Syntax:

WORD	Configure LLDP policy for management interfaces on spines and leaves

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mgmt-lldp <WORD>
```

mgmt-lldp <arg>

Description: Add mgmt LLDP policy to policy group

Syntax:

arg	

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# mgmt-lldp <>
```

mgmt-lldp <arg>

Description: Add mgmt LLDP policy to policy group

Syntax:

arg	

Command Mode: template spine-policy-group : Configure Spine Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-policy-group <WORD>
(config-spine-policy-group)# mgmt-lldp <>
```

microsoft-domain

microsoft-domain <WORD> [delimiter <WORD>]

Description: Create a VMM Microsoft Domain

Syntax:

WORD	VMM Microsoft Domain name
WORD	(Optional) Custom Delimiter

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# microsoft-domain <WORD> [delimiter <WORD>]
```

microsoft-domain member <WORD> [encap <WORD>] [primary-encap <WORD>] [deploy <WORD>] [push <WORD>] [delimiter <WORD>]

Description: Associate EPG to a Microsoft Domain

Syntax:

member	Bind the EPG to a Microsoft domain
WORD	Microsoft Domain Name
WORD	(Optional) Enforce encap value. Secondary encap when EPG is isolated (For example vlan-10 or auto)
WORD	(Optional) Primary encap when EPG is isolated (For example vlan-11 or auto)
WORD	(Optional) Deployment mode
WORD	(Optional) Push mode
WORD	(Optional) Custom Delimiter

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# microsoft-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [deploy <WORD>] [push <WORD>] [delimiter <WORD>]
```

microsoft

microsoft static-ip-pool <name> gateway <gwAddress>

Description: Configure static IP pool

Syntax:

static-ip-pool	Configure the static IP pool
name	enter the name of the static IP pool
gateway	Configure gateway address on interface
gwAddress	gwAddress

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# microsoft static-ip-pool <name> gateway <gwAddress>
```

millisecond

millisecond

Description: Include timestamp in Syslog Msg

Command Mode: logging : Logging server group configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# logging server-group <WORD>
(config-logging)# millisecond
```

min-rx

min-rx <NUMBER>

Description: Configure BFD MIN-RX value in milliseconds

Syntax:

<interval>	BFD interval. Number range from=50 to=999

Command Mode: template bfd : BFD group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd ip|ipv6 <WORD>
(config-bfd)# min-rx <NUMBER>
```

min-rx <NUMBER>

Description: Configure required Minimum Rx Interval in milliseconds

Syntax:

<interval>	Minimum Rx Interval. Number range from=50 to=999

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# min-rx <NUMBER>
```

min-rx <NUMBER>

Description: Configure required Minimum Rx Interval in milliseconds

Syntax:

<interval>	Minimum Rx Interval. Number range from=50 to=999

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# min-rx <NUMBER>
```

min-tx

min-tx <NUMBER>

Description: Configure BFD MIN-TX value in milliseconds

Syntax:

<interval>	BFD interval. Number range from=50 to=999

Command Mode: template bfd : BFD group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd ip|ipv6 <WORD>
(config-bfd)# min-tx <NUMBER>
```

min-tx <NUMBER>

Description: Configure required Minimum Tx Interval in milliseconds

Syntax:

<interval>	Minimum Tx Interval. Number range from=50 to=999

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# min-tx <NUMBER>
```

min-tx <NUMBER>

Description: Configure required Minimum Tx Interval in milliseconds

Syntax:

<interval>	Minimum Tx Interval. Number range from=50 to=999

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# min-tx <NUMBER>
```

min

min buffer <0-3>

Description: Set the minimum number of buffer of MTU size to be reserved

Syntax:

buffer	Number of minim buffers to reserve
<0-3>	Number of minim buffers to reserve

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# min buffer <0-3>
```

minimum-hop-limit

minimum-hop-limit <NUMBER>

Description: Config minimum hop limit in router advertisement guard policy

Syntax:

<hop-limit>	Specify hop limit. Number range from=1 to=255

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# minimum-hop-limit <NUMBER>
```

minthreshold

minthreshold <minThresholdValue>

Description: Setting minimum threshold for WRED

Syntax:

minThresholdValue	Setting minimum threshold for WRED. Number range from=0 to=100

Command Mode: algo : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# algo wred|tail-drop
(config-qos-algo)# minthreshold <minThresholdValue>
```

mode-type

mode-type <mode-type>

Description: Set mode type for fast link failover policy

Syntax:

mode-type	Mode Type

Command Mode: link-failover-policy : Configure Fast Link Failover policy

Command Path:

```
# configure [['terminal', 't']]
(config)# link-failover-policy <WORD>
(config-link-failover-policy)# mode-type <mode-type>
```

mode

mode active|passive

Description: Set Lag policy mode to be active/passive

Syntax:

active	Set Enhanced Lacp Mode to ACTIVE
passive	Set Enhanced Lacp mode to PASSIVE

Command Mode: enhancedlacp : Configure Enhanced LACP mode on DVS uplink ports

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# enhancedlacp <lag-policy-name>
(config-vmware-enhancedlacp)# mode active|passive
```

mode <power mode>

Description: Set mode

Syntax:

power mode	Power Mode

Command Mode: switchport power-over-ethernet : Power Over Ethernet configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport power-over-ethernet <WORD>
(config-power-over-ethernet)# mode <power mode>
```

mode atomic|best-effort

Description: Snapshot import mode atomic|best-effort

Syntax:

atomic	Atomic mode
best-effort	Best Effort mode

Command Mode: snapshot import : Configuration import setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot import <WORD>
(config-import)# mode atomic|best-effort
```

mode None|Dom

Description: Configure Node Control Mode

Syntax:

None	Disable Dom (Digital Optical Monitoring)
Dom	Enable Dom (Digital Optical Monitoring

Command Mode: node-control : Create a Node Control Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# node-control policy <WORD>
(config-node)# mode None|Dom
```

modulus

modulus <modulus>

Description: Set the length of the encryption keys

Syntax:

<modulus>	<modulus>

Command Mode: crypto keyring : A keyring mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# modulus <modulus>
```

monitor

monitor virtual session <WORD>

Description: Configure a monitor session

Syntax:

virtual	virtual
session	session
WORD	session name (Max Size 64)

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# monitor virtual session <WORD>
```

monitor virtual session <WORD>

Description: Configure a monitor session

Syntax:

virtual	virtual
session	session
WORD	session name (Max Size 64)

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# monitor virtual session <WORD>
```

monitor access filter-group

monitor access filter-group <WORD>

Description: Configue filter groups

Syntax:

WORD	Filter group name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access filter-group <WORD>
```

monitor access session

monitor access session <session_name>

Description: Configue monitor session for access interfaces

Syntax:

session_name	session name (Max Size 59)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
```

monitor fabric

monitor fabric session <session_name>

Description: Configue monitor session for fabric interfaces

Syntax:

session	session
session_name	session name (Max Size 59)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
```

monitor tenant

monitor tenant <tenant_name> session <WORD>

Description: Configue monitor session for tenant EPGs

Syntax:

tenant_name	tenant name (Max Size 63)
session	session
WORD	session name (Max Size 59)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
```

monitor virtual

monitor virtual session <WORD>

Description: Configure monitor session for virtual switches

Syntax:

session	session
WORD	Session name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
```

monitoring-password

monitoring-password

Description: Password for the user to be used for server monitoring

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# monitoring-password
```

monitoring-password

Description: Password for the user to be used for server monitoring

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# monitoring-password
```

monitoring-password

Description: Password for the user to be used for server monitoring

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# monitoring-password
```

monitoring-password

Description: Password for the user to be used for server monitoring

Command Mode: tacacs-server host : TACACS+ server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# monitoring-password
```

monitoring-user

monitoring-user <username>

Description: Username for the user to be used for server monitoring

Syntax:

username	Username for the user to be used for server monitoring

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# monitoring-user <username>
```

monitoring-user <username>

Description: Username for the user to be used for server monitoring

Syntax:

username	Username for the user to be used for server monitoring

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# monitoring-user <username>
```

monitoring-user <username>

Description: Username for the user to be used for server monitoring

Syntax:

username	Username for the user to be used for server monitoring

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# monitoring-user <username>
```

monitoring-user <username>

Description: Username for the user to be used for server monitoring

Syntax:

username	Username for the user to be used for server monitoring

Command Mode: tacacs-server host : TACACS+ server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# monitoring-user <username>
```

moquery

To display the properties of a managed object (MO), use the **moquery** command.

moquery{--help|--host *host-id*|--port *portname*|--dn *dn*|--klass *classname*|--filter *property*|--attrs *attributes*|--output *output*|-user *username*|--options *options*}

--help or **-h**	Specifies an APIC host.
--host or **-i**	Specifies an APIC host.
host-id	The host name or IP address of an APIC.
--port or **-p**	Specifies a port for a REST interface.
portname	The REST interface port number.
--dn or **-d**	Specifies a distinguished name (DN) for a managed object (MO).
dn	The DN of an MO.
--klass or **-c**	Specifies a class name for the query.
classname	Specifies a class. You can enter multiple classes separated by commas.
--filter or **-f**	Specifies a property on which to filter MOs.
property	The property on which to filter MOs.
--attrs or **-a**	Specifies the attributes that the query displays.
attributes	The type of attributes to display. You can choose **config** (configuration attributes) or **all**. If config is selected, only configurable attributes are displayed. Unless the **table** output format is specified, the default is **all**.
--output or **-o**	Specifies a query output format.
output	The query output format. You can choose **json**, **xml**, **block**, or **table**.
--user or **-u**	Specifies a user name.
username	The user name.
--options or **-x**	Specifies query options.
options	The query options to enable. For more information, see Usage Guidelines.

Syntax Description

Usage Guidelines

To use the **moquery** command, you must first invoke a bash shell by using the **bash** command in the APIC NX-OS style CLI. To return to the APIC CLI, use the **quit** command in the bash shell.

Using **--options** (or **-x**), you can specify query options as supported by the REST API. You can add multiple options statements to the command, using syntax such as the following:

```
-x [OPTIONS [OPTIONS ...]] [-x [OPTIONS [OPTIONS ...]]]
```

For example:

```
moquery -c firmwareCtrlrFwStatusCont -x query-target=subtree
target-subtree-class=firmwareCtrlrRunning
```

Example

The following example shows how to use the **moquery** command:

```
apic1# bash
admin@apic1:~> moquery --dn unallocencap-[uni/infra]
Total Objects shown: 1

# stp.UnAllocEncapCont
infraPKey    : uni/infra
allocSize    : 0
childAction  :
descr        :
dn           : unallocencap-[uni/infra]
lastAssigned : 8192
lcOwn        : local
modTs        : 2014-07-26T16:46:27.176+00:00
name         :
ownerKey     :
ownerTag     :
rn           : unallocencap-[uni/infra]
size         : 0
status       :

admin@apic1:~> exit
exit
apic1#
```

mtu-ignore

mtu-ignore

Description: Disable OSPF MTU mismatch detection

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# mtu-ignore
```

mtu-ignore

Description: Disable OSPF MTU mismatch detection

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# mtu-ignore
```

mtu

mtu <1500-9216>

Description: Set the MTU for this class of service

Syntax:

<1500-9216>	MTU value

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# mtu <1500-9216>
```

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# mtu <NUMBER>
```

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# mtu <NUMBER>
```

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# mtu <NUMBER>
```

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# mtu <NUMBER>
```

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# mtu <NUMBER>
```

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# mtu <NUMBER>
```

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# mtu <NUMBER>
```

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# mtu <NUMBER>
```

mtu <arg>

Description: Update MTU value in Netflow Node-policy

Syntax:

| *arg* | Configure MTU value in Netflow Node-policy. Number range from=576 to=9216 |

Command Mode: flow node-policy : Configure Netflow Node Policy Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# flow node-policy <WORD>
(config-flow-node-pol)# mtu <>
```

mtu <mtu>

Description: MTU size

Syntax:

| *mtu* | mtu value. Number range from=64 to=9216 |

Command Mode: destination tenant : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-access-dest)# mtu <mtu>
```

mtu <mtu>

Description: MTU size

Syntax:

| *mtu* | mtu value. Number range from=64 to=9216 |

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-fabric-dest)# mtu <mtu>
```

mtu <arg>

Description: MTU size

Syntax:

| *arg* | mtu value. Number range from=64 to=9216 |

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-tenant-dest)# mtu <>
```

mtu <arg>

Description: Configure MTU size

Syntax:

arg	MTU value. Number range from=64 to=9216

Command Mode: destination destip : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# destination destip <A.B.C.D>
(config-monitor-virtual-remote-dest)# mtu <>
```

multi-destination

multi-destination <WORD>

Description: Change behavior for multi destination flood

Syntax:

WORD	Unknown multicast MAC and Broadcast handling

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# multi-destination <WORD>
```

multi-site-mac-address

multi-site-mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure multi-site MAC address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# multi-site-mac-address
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

multicast-address

multicast-address <IP>

Description: Configure outgoing multicast IP address for VXLAN modes

Syntax:

IP	Multicast IP

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# multicast-address <IP>
```

multicast-address <IP>

Description: Configure outgoing multicast IP address for VXLAN modes

Syntax:

IP	Multicast IP

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# multicast-address <IP>
```

multiplier

multiplier <NUMBER>

Description: Configure BFD MULTIPLIER value

Syntax:

<interval>	BFD interval. Number range from=1 to=50

Command Mode: template bfd : BFD group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd ip|ipv6 <WORD>
(config-bfd)# multiplier <NUMBER>
```

multiplier <NUMBER>

Description: Configure detection multiplier

Syntax:

<interval>	Detection multiplier. Number range from=1 to=50

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# multiplier <NUMBER>
```

multiplier <NUMBER>

Description: Configure detection multiplier

Syntax:

<interval>	Detection multiplier. Number range from=1 to=50

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# multiplier <NUMBER>
```

N Commands

name-alias

name-alias <WORD>

Description: Add an Alias to a tenant

Syntax:

WORD	Alias Of the mo (Max Size 63)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# name-alias <WORD>
```

name-alias <WORD>

Description: Add an Alias to a access-list

Syntax:

WORD	Alias Of the mo (Max Size 63)

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# name-alias <WORD>
```

name-alias <WORD>

Description: Add an Alias to a contract

Syntax:

WORD	Alias Of the mo (Max Size 63)

Command Mode: contract : Configure binary contracts between Application EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# name-alias <WORD>
```

name-alias <WORD>

Description: Add an Alias to a subject

Syntax:

WORD	Alias Of the mo (Max Size 63)

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# name-alias <WORD>
```

name-alias <WORD>

Description: Add an Alias to vrf

Syntax:

WORD	Alias Of the mo (Max Size 63)

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# name-alias <WORD>
```

name-alias <WORD>

Description: Add an Alias to l3out

Syntax:

WORD	Alias Of the mo (Max Size 63)

Command Mode: l3out : Configuration for L3Out

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# name-alias <WORD>
```

name-alias <WORD>

Description: Add an Alias to a bridge-domain

Syntax:

WORD	Alias Of the mo (Max Size 63)

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# name-alias <WORD>
```

name-alias <WORD>

Description: Add an Alias to Application profile

Syntax:

WORD	Alias Of the mo (Max Size 63)

Command Mode: application : application configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# name-alias <WORD>
```

name-alias <WORD>

Description: Add an Alias to EPG

Syntax:

WORD	Alias (Max Size 63)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# name-alias <WORD>
```

name-alias <WORD>

Description: Add an Alias to l3out

Syntax:

WORD	Alias Of the mo (Max Size 63)

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# name-alias <WORD>
```

name-lookup

name-lookup

Description: Display OSPF router ids as DNS names

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# name-lookup
```

name-lookup

Description: Display OSPF router ids as DNS names

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# name-lookup
```

name

name <WORD>

Description: Configure the name for this key for easy identification

Syntax:

WORD	name (Max Size 64)

Command Mode: key : Configure CKN as hex string of max 64 characters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric keychain <WORD>
(config-macsec-keychain)# key <WORD>
(config-macsec-keychain-key)# name <WORD>
```

name <WORD>

Description: Redundancy name string

Syntax:

WORD	Name string (Max Size 250)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# name <WORD>
```

name <WORD>

Description: Redundancy name string

Syntax:

WORD	Name string (Max Size 250)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
```

```
(config-if-hsrp)# name <WORD>
```

name <WORD>

Description: Redundancy name string

Syntax:

WORD	Name string (Max Size 250)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# name <WORD>
```

name <WORD>

Description: Redundancy name string

Syntax:

WORD	Name string (Max Size 250)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# name <WORD>
```

negotiate

negotiate auto

Description: Configure link negotiation parameters

Syntax:

auto	Configure auto-negotiation

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# negotiate auto
```

negotiate auto

Description: Configure link negotiation parameters

Syntax:

auto	Configure auto-negotiation

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# negotiate auto
```

negotiate auto

Description: Configure link negotiation parameters

Syntax:

auto	Configure auto-negotiation

Command Mode: template spine-interface-policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-interface-policy-group <WORD>
(config-spine-if-pol-grp)# negotiate auto
```

negotiate auto

Description: Configure link negotiation parameters

Syntax:

auto	Configure auto-negotiation

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# negotiate auto
```

negotiate auto

Description: Configure link negotiation parameters

Syntax:

auto	Configure auto-negotiation

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# negotiate auto
```

negotiate auto

Description: Configure link negotiation parameters

Syntax:

auto	Configure auto-negotiation

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# negotiate auto
```

negotiate auto

Description: Configure link negotiation parameters

Syntax:

auto	Configure auto-negotiation

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# negotiate auto
```

negotiate auto

Description: Configure link negotiation parameters

Syntax:

auto	Configure auto-negotiation

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# negotiate auto
```

neighbor-discovery

neighbor-discovery

Description: Config trust neighbor discovery protocol in trust control policy

Command Mode: trust-control : Configuration for trust control policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# trust-control <WORD>
(config-tenant-fhs-trustctrl)# neighbor-discovery
```

neighbor

neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out <WORD>]

Description: Configure a BGP neighbor

Syntax:

A.B.C.D	IP address of the neighbor
A.B.C.D/LEN	IP prefix for neighbors
A:B::C:D	IPv6 address of the neighbor
A:B::C:D/LEN	IPv6 prefix for neighbors
evpn	(Optional) Make this a shared EVPN BGP session for GOLF
WORD	(Optional) Route-Map Name (API-configured L3Out Name)

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
```

neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out <WORD>]

Description: Configure a BGP neighbor

Syntax:

A.B.C.D	IP address of the neighbor
A.B.C.D/LEN	IP prefix for neighbors
A:B::C:D	IPv6 address of the neighbor
A:B::C:D/LEN	IPv6 prefix for neighbors
evpn	(Optional) Make this a shared EVPN BGP session for GOLF
WORD	(Optional) Route-Map Name (API-configured L3Out Name)

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
```

network

network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# network bcast|p2p|unspecified
```

network bcast|p2p|unspecified

Description: Set OSPF interface policy network type

Syntax:

bcast	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
p2p	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
unspecified	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# network bcast|p2p|unspecified
```

next-hop-self

next-hop-self

Description: Set our peering address as nexthop

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# next-hop-self
```

next-hop-self

Description: Set our peering address as nexthop

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# next-hop-self
```

nicprof-vlan-preserve

nicprof-vlan-preserve <nicProfVlanPrsv>

Description: NIC Profile VLAN Preserve Mode

Syntax:

<nicProfVlanPrsv>	NIC Profile VLAN Preserve Mode

Command Mode: integrations-mgr : Integrations Manager

Command Path:

```
# configure [['terminal', 't']]
(config)# integrations-group <WORD>
(config-integrations-group)# integrations-mgr <WORD> <type>
(config-integrations-mgr)# nicprof-vlan-preserve <nicProfVlanPrsv>
```

nlb static-group

nlb static-group E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Static group Configuration for EpNlb

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# nlb static-group
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

nlb static-group leaf interface ethernet ethernet vlan

nlb static-group E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE leaf <WORD> interface ethernet ethernet <slot>/<port> vlan <VLAN>

Description: Encap VLAN

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
ethernet <slot>/<port>	Ethernet Range
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# nlb static-group
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE leaf <WORD> interface ethernet
ethernet <slot>/<port> vlan <VLAN>
```

nlb static-group leaf interface port-channel vlan

nlb static-group E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE leaf <WORD> interface port-channel <WORD> [fex <NUMBER>] vlan <VLAN>

Description: Encap VLAN

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
WORD	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# nlb static-group
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE leaf <WORD> interface port-channel
 <WORD> [fex <NUMBER>] vlan <VLAN>
```

nlb static-group vpc context interface vpc vlan

nlb static-group E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>

Description: Encap VLAN

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
context	VPC Context
WORD	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
WORD	VPC Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199
VLAN	Encap VLAN

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# nlb static-group
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vpc context <WORD> <WORD> interface
 vpc <WORD> [fex <fex>] vlan <VLAN>
```

node-control

node-control policy <WORD>

Description: Create a Node Control Policy

Syntax:

policy	Create a node control policy
WORD	Node control policy name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# node-control policy <WORD>
```

npv

npv auto-load-balance disruptive

Description: Configure auto load balancing on the switch

Syntax:

auto-load-balance	Configure auto load balancing
disruptive	Configure disruptive load balancing

Command Mode: template fc-leaf-policy : Configure FC Leaf Policy(Max Size 64)

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-leaf-policy <WORD>
(config-fc-leaf-policy)# npv auto-load-balance disruptive
```

npv auto-load-balance

npv auto-load-balance disruptive

Description: Configure auto load balancing

Syntax:

disruptive	Configure disruptive load balancing

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# npv auto-load-balance disruptive
```

npv auto-load-balance disruptive

Description: Configure auto load balancing

Syntax:

disruptive	Configure disruptive load balancing

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# npv auto-load-balance disruptive
```

npv traffic-map external-interface fc-port-channel

npv traffic-map external-interface fc-port-channel <ifRange> tenant <WORD> label <WORD>

Description: FC Port Channel interface

Syntax:

<ifRange>	Port-channel name
tenant	Tenant name
WORD	Tenant hosting the pinning Profile (Max Size 63)
label	Pinning label
WORD	Pinning Profile Name (Max Size 64)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# npv traffic-map external-interface fc-port-channel <ifRange> tenant <WORD>
label <WORD>
```

npv traffic-map external-interface fc-port-channel <ifRange> tenant <WORD> label <WORD>

Description: FC Port Channel interface

Syntax:

<ifRange>	Port-channel name
tenant	Tenant name
WORD	Tenant hosting the pinning Profile (Max Size 63)
label	Pinning label
WORD	Pinning Profile Name (Max Size 64)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# npv traffic-map external-interface fc-port-channel <ifRange> tenant <WORD>
 label <WORD>
```

npv traffic-map external-interface fc

npv traffic-map external-interface fc <ifRange> tenant <WORD> label <WORD>

Description: Virtual Fiber Channel interface

Syntax:

<ifRange>	interface Range
tenant	Tenant name
WORD	Tenant hosting the pinning Profile (Max Size 63)
label	Pinning label
WORD	Pinning Profile Name (Max Size 64)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# npv traffic-map external-interface fc <ifRange> tenant <WORD> label <WORD>
```

npv traffic-map external-interface fc <ifRange> tenant <WORD> label <WORD>

Description: Virtual Fiber Channel interface

Syntax:

<ifRange>	interface Range
tenant	Tenant name
WORD	Tenant hosting the pinning Profile (Max Size 63)
label	Pinning label
WORD	Pinning Profile Name (Max Size 64)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# npv traffic-map external-interface fc <ifRange> tenant <WORD> label <WORD>
```

npv traffic-map external-interface vfc-po

npv traffic-map external-interface vfc-po <ifRange> tenant <WORD> label <WORD>

Description: VFC Port Channel interface

Syntax:

<ifRange>	Port-channel name
tenant	Tenant name
WORD	Tenant hosting the pinning Profile (Max Size 63)
label	Pinning label
WORD	Pinning Profile Name (Max Size 64)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# npv traffic-map external-interface vfc-po <ifRange> tenant <WORD> label
<WORD>
```

npv traffic-map external-interface vfc-po <ifRange> tenant <WORD> label <WORD>

Description: VFC Port Channel interface

Syntax:

<ifRange>	Port-channel name
tenant	Tenant name
WORD	Tenant hosting the pinning Profile (Max Size 63)
label	Pinning label
WORD	Pinning Profile Name (Max Size 64)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# npv traffic-map external-interface vfc-po <ifRange> tenant <WORD> label
<WORD>
```

npv traffic-map external-interface vfc

npv traffic-map external-interface vfc <ifRange> tenant <WORD> label <WORD>

Description: Virtual Fiber Channel interface

Syntax:

<ifRange>	interface Range
tenant	Tenant name
WORD	Tenant hosting the pinning Profile (Max Size 63)
label	Pinning label
WORD	Pinning Profile Name (Max Size 64)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# npv traffic-map external-interface vfc <ifRange> tenant <WORD> label <WORD>
```

npv traffic-map external-interface vfc <ifRange> tenant <WORD> label <WORD>

Description: Virtual Fiber Channel interface

Syntax:

<ifRange>	interface Range
tenant	Tenant name
WORD	Tenant hosting the pinning Profile (Max Size 63)
label	Pinning label
WORD	Pinning Profile Name (Max Size 64)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# npv traffic-map external-interface vfc <ifRange> tenant <WORD> label <WORD>
```

npv traffic-map server-interface fc

npv traffic-map server-interface fc <ifRange> label <WORD> tenant <WORD> application <WORD> epg <WORD>

Description: Fiber Channel interface

Syntax:

<ifRange>	interface Range
label	Pinning label
WORD	Pinning Label Name (Max Size 64)
tenant	Tenant name
WORD	Tenant hosting the pinning Label (Max Size 63)
application	Add an AEPg as static encap
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# npv traffic-map server-interface fc <ifRange> label <WORD> tenant <WORD>
application <WORD> epg <WORD>
```

npv traffic-map server-interface fc <ifRange> label <WORD> tenant <WORD> application <WORD> epg <WORD>

Description: Fiber Channel interface

Syntax:

<ifRange>	interface Range
label	Pinning label
WORD	Pinning Label Name (Max Size 64)
tenant	Tenant name
WORD	Tenant hosting the pinning Label (Max Size 63)
application	Add an AEPg as static encap

WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# npv traffic-map server-interface fc <ifRange> label <WORD> tenant <WORD>
application <WORD> epg <WORD>
```

npv traffic-map server-interface vfc-po

npv traffic-map server-interface vfc-po <WORD> label <WORD> tenant <WORD> application <WORD> epg <WORD>

Description: VFC Port Channel interface

Syntax:

WORD	Port-Channel Name (Max Size 64)
label	Pinning label
WORD	Pinning Label Name (Max Size 64)
tenant	Tenant name
WORD	Tenant hosting the pinning Label (Max Size 63)
application	Add an AEPg as static encap
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# npv traffic-map server-interface vfc-po <WORD> label <WORD> tenant <WORD>
application <WORD> epg <WORD>
```

npv traffic-map server-interface vfc-po <WORD> label <WORD> tenant <WORD> application <WORD> epg <WORD>

Description: VFC Port Channel interface

Syntax:

WORD	Port-Channel Name (Max Size 64)
label	Pinning label
WORD	Pinning Label Name (Max Size 64)
tenant	Tenant name
WORD	Tenant hosting the pinning Label (Max Size 63)
application	Add an AEPg as static encap

WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# npv traffic-map server-interface vfc-po <WORD> label <WORD> tenant <WORD>
application <WORD> epg <WORD>
```

npv traffic-map server-interface vfc

npv traffic-map server-interface vfc <ifRange> label <WORD> tenant <WORD> application <WORD> epg <WORD>

Description: Virtual Fiber Channel interface

Syntax:

<ifRange>	interface Range
label	Pinning label
WORD	Pinning Label Name (Max Size 64)
tenant	Tenant name
WORD	Tenant hosting the pinning Label (Max Size 63)
application	Add an AEPg as static encap
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# npv traffic-map server-interface vfc <ifRange> label <WORD> tenant <WORD>
application <WORD> epg <WORD>
```

npv traffic-map server-interface vfc <ifRange> label <WORD> tenant <WORD> application <WORD> epg <WORD>

Description: Virtual Fiber Channel interface

Syntax:

<ifRange>	interface Range
label	Pinning label
WORD	Pinning Label Name (Max Size 64)
tenant	Tenant name
WORD	Tenant hosting the pinning Label (Max Size 63)
application	Add an AEPg as static encap

WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# npv traffic-map server-interface vfc <ifRange> label <WORD> tenant <WORD>
application <WORD> epg <WORD>
```

ntp

ntp

Description: Configure the default ntp policy

Command Mode: pod : Pod configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# ntp
```

numlinks

numlinks <NUMBER>

Description: Set maximum number of uplinks

Syntax:

| *<numLinks>* | Maximum number of uplinks. Number range from=2 to=8 |

Command Mode: enhancedlacp : Configure Enhanced LACP mode on DVS uplink ports

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# enhancedlacp <lag-policy-name>
(config-vmware-enhancedlacp)# numlinks <NUMBER>
```

O Commands

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oob-mgmt

oob-mgmt epg <epgval>

Description: Creates/Modify the out of band mgmt under the tenant mgmt

Syntax:

epg	epg is keyword ,refers to out of band epg
epgval	epg name for the out of band epg created/modified under tenant mgmt

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# oob-mgmt epg <epgval>
```

oob-mgmt epg

oob-mgmt epg <WORD>

Description: Associate node to a Out of band EPG

Syntax:

WORD	Out of band End Point Group Name

Command Mode: interface mgmt0 : Out of band management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
(config-controller-if)# oob-mgmt epg <WORD>
```

oob-mgmt epg <WORD>

Description: Associate node to a Out of band EPG

Syntax:

WORD	Out of band End Point Group Name

Command Mode: interface mgmt0 : Out of band management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
(config-switch-if)# oob-mgmt epg <WORD>
```

optimize

optimize subinterface

Description: Disable sub-interface optimization

Syntax:

subinterface	subinterface

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# optimize subinterface
```

optimize subinterface

Description: Disable sub-interface optimization

Syntax:

subinterface	subinterface

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# optimize subinterface
```

option

option <WORD> id <NUMBER> [data <WORD>]

Description: Add or modify an existing DHCP option when relayed from the server to the client

Syntax:

WORD	Name of the option to add (Max Size 64)
id	ID of the option
<0-255>	ID of the option. Number range from=0 to=255
WORD	(Optional) Body of the Option TLV as hex string, surrounded by single quotes ex: 'foo*' (Max Size 256)

Command Mode: template dhcp option : Create a DHCP Option policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp option policy <WORD>
(config-tenant-template-dhcp-option)# option <WORD> id <NUMBER> [data <WORD>]
```

org-name

org-name <WORD>

Description: Set The full legal name of the organization.

Syntax:

<WORD>	legal name of organization (Max Size 64)

Command Mode: csr : A csr mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# csr
(config-csr)# org-name <WORD>
```

org-unit-name

org-unit-name <WORD>

Description: Set the department or unit name within the organization

Syntax:

<WORD>	department or unit name (Max Size 64)

Command Mode: csr : A csr mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# csr
(config-csr)# org-unit-name <WORD>
```

other-config-check

other-config-check

Description: Enable other stateful configuration check in router advertisement guard policy

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# other-config-check
```

other-config-flag

other-config-flag

Description: Set other stateful configuration flag in router advertisement guard policy

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# other-config-flag
```

oui

oui <3 BYTE HEX>

Description: WWN OUI ID configuration mode

Syntax:

3 BYTE HEX	Example: 0x2A2F2D

Command Mode: wwn : WWN OUI configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# wwn
(config-wwn)# oui <3 BYTE HEX>
```

P Commands

passive-interface

passive-interface

Description: Suppress routing updates on the interface

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# passive-interface
```

passive-interface

Description: Suppress routing updates on the interface

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# passive-interface
```

passphrase

passphrase

Description: Configure passphrase for AES encryption

Command Mode: crypto aes : AES encryption configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto aes
(config-aes)# passphrase
```

passwd-auth-enable

passwd-auth-enable

Description: Enable Password Auth for SSH communication service

Command Mode: ssh-service : SSH communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# ssh-service
(config-ssh-service)# passwd-auth-enable
```

passwd

passwd

Description: Update user's authentication tokens

Command Mode: exec : Exec Mode

Command Path:

```
# passwd
```

password

password

Description: Set The system user password.

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# password
```

password

Description: Set The new password.

Command Mode: csr : A csr mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# csr
(config-csr)# password
```

password WORD

Description: Configure a password for neighbor

Syntax:

WORD	Enter Clear-text password

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# password WORD
```

password WORD

Description: Configure a password for neighbor

Syntax:

WORD	Enter Clear-text password

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# password WORD
```

password change-count

password change-count <NUMBER>

Description: Set the number of password changes allowed within change interval

Syntax:

<0-10>	Set the number of password changes allowed within change interval. Number range from=0 to=10

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# password change-count <NUMBER>
```

password change-during-interval

password change-during-interval <change-during-interval>

Description: Set change count/interval policy selector for enforcing password change.

Syntax:

<change-during-interval>	<change-during-interval>

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# password change-during-interval <change-during-interval>
```

password change-interval

password change-interval <NUMBER>

Description: Set time interval for limiting the number of password changes (unit: Hours)

Syntax:

<0-745>	Set A time interval for limiting the number of password changes (unit: Hours). Number range from=0 to=745

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# password change-interval <NUMBER>
```

password change-password

password change-password

Description: change the current password and set a new one

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# password change-password
```

password history-count

password history-count <NUMBER>

Description: Set number of retired passwords to store in user's history.

Syntax:

<0-15>	Set number of retired passwords to store in user history.. Number range from=0 to=15

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# password history-count <NUMBER>
```

password no-change-interval

password no-change-interval <NUMBER>

Description: Set minimum period before which user cannot change password again (unit: hours)

Syntax:

<0-745>	Set minimum period before which user cannot change password again (unit: hours). Number range from=0 to=745

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# password no-change-interval <NUMBER>
```

password pwd-rules

password pwd-rules minimum-length <minimum-length> maximum-length <maximum-length> pwd-rule default|custom custom-password-class ULD|ULSp|UDSp|LDSp|ULDSp

Description: Enables the configuration of password rules

Syntax:

minimum-length	Minimum Password Length
<minimum-length>	Minimum Password Length(> = 8)
maximum-length	Maximum Password Length
<maximum-length>	Maximum Password Length(< = 64
pwd-rule	Password Rule
default	Use system default password rules
custom	Use custom password rules
custom-password-class	Custom Password Class
ULD	Uppercase-Lowercase-Digit
ULSp	Uppercae-Lowercase-Specialchar
UDSp	Uppercase-Digit-Specialchar
LDSp	Lowercase-Digit-Specialchar
ULDSp	Uppercase-Lowercase-Digit-Specialchar

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# password pwd-rules minimum-length <minimum-length> maximum-length <maximum-length>
 pwd-rule default|custom custom-password-class ULD|ULSp|UDSp|LDSp|ULDSp
```

password pwd-strength-check

password pwd-strength-check

Description: Enforces the strength of password for all users

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# password pwd-strength-check
```

path

path ftp|sftp|scp <HOST> [port <NUMBER>] [remote-directory <PATH>]

Description: Configure remote path properties

Syntax:

ftp	FTP
sftp	Secure FTP
scp	Secure copy
HOST	Remote host name or IP address
<0-65535>	(Optional) Remote port. Number range from=0 to=65535
PATH	(Optional) Remote directory: path/to/some/dir

Command Mode: remote : Remote path configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# remote path <WORD>
(config-remote)# path ftp|sftp|scp <HOST> [port <NUMBER>] [remote-directory <PATH>]
```

pause

pause no-drop cos <NUMBER> [fabric]

Description: Configure class based flow control characteristics

Syntax:

no-drop	Configure class based flow control characterstics
cos	Configure class of service
<interval>	Configure class of service. Number range from=0 to=7
fabric	(Optional) Set scope to Fabric, default is Tor

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# pause no-drop cos <NUMBER> [fabric]
```

pecycles

pecycles <3000-10000>

Description: Set peCycles for ssd flash config

Syntax:

<3000-10000>	PeCycles

Command Mode: flash-config : Configure SSD Flash Config policy

Command Path:

```
# configure [['terminal', 't']]
(config)# flash-config <WORD>
(config-flash-config)# pecycles <3000-10000>
```

peer-dead-interval

peer-dead-interval <NUMBER>

Description: Configure Peer dead Interval

Syntax:

<5-600>	Peer dead Interval value. Number range from=5 to=600

Command Mode: vpc domain explicit : Pair two leaf nodes explicitly

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc domain explicit <NUMBER> leaf <101-4000> <101-4000>
(config-vpc)# peer-dead-interval <NUMBER>
```

performance

performance

Description: Nginx Requested Response Time Policy Group

Command Mode: comm-policy : Configure any communication policy, ssh/telnet/shellinabox/http/https

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# performance
```

periodic-inventory notification

periodic-inventory notification schedule <schedName>

Description: Configure periodic notifications Parameters

Syntax:

schedule	Configure periodic notification scheduler
<schedName>	scheduler name

Command Mode: callhome : Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# periodic-inventory notification schedule <schedName>
```

periodic-inventory notification schedule <schedName>

Description: Configure periodic notifications Parameters

Syntax:

schedule	Configure periodic notification scheduler
<schedName>	scheduler name

Command Mode: smartcallhome : Smart Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# periodic-inventory notification schedule <schedName>
```

permit

permit [src-ip <A.B.C.D/LEN>] [src-ipv6 <A:B::C:D/LEN>] [dst-ip <A.B.C.D/LEN >] [dst-ipv6 <A:B::C:D/LEN >] [proto <proto>] [src-port <from>-[<to>] contained in <0-65535>] [dst-port <from>-[<to>] contained in <0-65535>]

Description: Create leaf acl policy

Syntax:

A.B.C.D/LEN	(Optional) IP prefix network/length, e.g., 35.0.0.0/8
A:B::C:D/LEN	(Optional) IPv6 prefix network/length, e.g., 2001::/64
A.B.C.D/LEN	(Optional) IP prefix network/length, e.g., 35.0.0.0/8
A:B::C:D/LEN	(Optional) IPv6 prefix network/length, e.g., 2001::/64
proto	(Optional) Protocol
<from>-[<to>] contained in <0-65535>	(Optional) Source port Range
<from>-[<to>] contained in <0-65535>	(Optional) Destination port Range

Command Mode: template control-plane-policing-prefilter-leaf : Create leaf ACL policy to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# template control-plane-policing-prefilter-leaf <WORD>
(config-control-plane-policing-prefilter-leaf)# permit [src-ip <A.B.C.D/LEN>] [src-ipv6
<A:B::C:D/LEN>] [dst-ip <A.B.C.D/LEN >] [dst-ipv6 <A:B::C:D/LEN >] [proto <proto>] [src-port
 <from>-[<to>] contained in <0-65535>] [dst-port <from>-[<to>] contained in <0-65535>]
```

permit [src-ip <A.B.C.D/LEN>] [src-ipv6 <A:B::C:D/LEN>] [dst-ip <A.B.C.D/LEN >] [dst-ipv6 <A:B::C:D/LEN >] [proto <proto>] [src-port <from>-[<to>] contained in <0-65535>] [dst-port <from>-[<to>] contained in <0-65535>]

Description: Create spine acl policy

Syntax:

A.B.C.D/LEN	(Optional) IP prefix network/length, e.g., 35.0.0.0/8
A:B::C:D/LEN	(Optional) IPv6 prefix network/length, e.g., 2001::/64
A.B.C.D/LEN	(Optional) IP prefix network/length, e.g., 35.0.0.0/8
A:B::C:D/LEN	(Optional) IPv6 prefix network/length, e.g., 2001::/64
proto	(Optional) Protocol

<from>-[<to>] contained in <0-65535>	(Optional) Source port Range
<from>-[<to>] contained in <0-65535>	(Optional) Destination port Range

Command Mode: template control-plane-policing-prefilter-spine : Create spine ACL policy to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# template control-plane-policing-prefilter-spine <WORD>
(config-control-plane-policing-prefilter-spine)# permit [src-ip <A.B.C.D/LEN>] [src-ipv6
<A:B::C:D/LEN>] [dst-ip <A.B.C.D/LEN >] [dst-ipv6 <A:B::C:D/LEN >] [proto <proto>] [src-port
 <from>-[<to>] contained in <0-65535>] [dst-port <from>-[<to>] contained in <0-65535>]
```

phone-contact

phone-contact <WORD>

Description: The contact phone number

Syntax:

WORD	Phone number in international format(such as +1-800-123-4567) (Max Size 16)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# phone-contact <WORD>
```

phone-contact <WORD>

Description: The contact phone number

Syntax:

WORD	Phone number in international format(such as +1-800-123-4567) (Max Size 16)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# phone-contact <WORD>
```

phone

phone <WORD>

Description: Set The phone number of the locally-authenticated user.

Syntax:

WORD	phone number (Max Size 16)

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# phone <WORD>
```

pod-profile

pod-profile <WORD>

Description: POD Profile

Syntax:

WORD	Pod Profile Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# pod-profile <WORD>
```

pod

pod <NUMBER>

Description: Pod configuration mode

Syntax:

<1-1>	Enter Pod ID. Number range from=1 to=1

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
```

pod <NUMBER>

Description: Pod Profile

Syntax:

<ID>	Pod ID. Number range from=1 to=255

Command Mode: fabric-external : Intrasite/Intersite Connectivity Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# pod <NUMBER>
```

pod <1-255>

Description: Add pods to zone

Syntax:

<1-255>	Range of Pods

Command Mode: zone : Create zone policy

Command Path:

```
# configure [['terminal', 't']]
(config)# zones
(config-zones)# zone <WORD>
(config-zone)# pod <1-255>
```

pods

pods <1-255>

Description: Set of PODs

Syntax:

<1-255>	Range of Pods

Command Mode: pod-profile : POD Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# pod-profile <WORD>
(config-pod-profile)# pods <1-255>
```

policeact

policeact <arg>

Description: Policing Action

Syntax:

arg	Policing Action

Command Mode: switchport power-over-ethernet : Power Over Ethernet configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport power-over-ethernet <WORD>
(config-power-over-ethernet)# policeact <>
```

policy-group

policy-group <WORD>

Description: Associate an Interface Policy Group to this Interface Group

Syntax:

WORD	Interface Policy Group Name (Max Size 64)

Command Mode: leaf-interface-group : Configure Leaf Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# policy-group <WORD>
```

policy-group <WORD>

Description: Configure Policy Group on the Fex

Syntax:

WORD	Interface Policy Group Name (Max Size 64)

Command Mode: fex-interface-group : Configure Fex Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
(config-fex-if-group)# policy-group <WORD>
```

policy-group <WORD> [force]

Description: Configure Leaf Interface Policy Group

Syntax:

WORD	Interface Policy Group Name (Max Size 64)
force	(Optional) Delete Per Port Configuration and apply the existing policy-group config

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# policy-group <WORD> [force]
```

policy-group <WORD> [force]

Description: Configure Leaf Interface Policy Group

Syntax:

WORD	Interface Policy Group Name (Max Size 64)
force	(Optional) Delete Per Port Configuration and apply the existing policy-group config

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# policy-group <WORD> [force]
```

policy-map type control-plane-if

policy-map type control-plane-if <WORD>

Description: Create interface ControlPlane policy to police/reclassify the traffic

Syntax:

| WORD | Name of the policy-map to add (Max Size 64) |

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-if <WORD>
```

policy-map type control-plane-leaf

policy-map type control-plane-leaf <WORD>

Description: Create leaf aggregate ControlPlane policy to police/reclassify the traffic

Syntax:

WORD	Name of the policy-map to add (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-leaf <WORD>
```

policy-map type control-plane-spine

policy-map type control-plane-spine <WORD>

Description: Create spine aggregate ControlPlane policy to police/reclassify the traffic

Syntax:

WORD	Name of the policy-map to add (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-spine <WORD>
```

policy-map type data-plane

policy-map type data-plane <WORD>

Description: Create a policymap of DataPlane type to police/reclassify the traffic

Syntax:

WORD	Name of the policy-map to add (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
```

policy-map type data-plane <WORD>

Description: data-plane policy type

Syntax:

type	Policy Type
WORD	Name of the policy-map to add (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
```

policy-map type port-authentication

policy-map type port-authentication <WORD>

Description: Create node level port authentication policy

Syntax:

| WORD | Port authentication Policy Group Name (Max Size 64) |

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type port-authentication <WORD>
```

policy-map type qos

policy-map type qos <WORD>

Description: QOS policy type

Syntax:

type	Policy Type
WORD	Name of the policy-map to add (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type qos <WORD>
```

policy-protocol

policy-protocol <WORD>

Description: Create policy protocol

Syntax:

WORD	Name of the policy-map to add (Max Size 64)

Command Mode: policy-map type control-plane-if : Create interface ControlPlane policy to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-if <WORD>
(config-pmap-copp-if)# policy-protocol <WORD>
```

port-authentication

port-authentication <WORD>

Description: Add port authentication policy

Syntax:

WORD	Port authentication Policy Group Name (Max Size 64)

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# port-authentication <WORD>
```

port-authentication fail-auth-epg

port-authentication fail-auth-epg tenant <arg> application <arg> epg <arg>

Description: Set default EPg name if authentication fails

Syntax:

tenant	Tenant hosting the EPg
arg	
application	Application Name
arg	
epg	Deploy EPg if authentication fails
arg	

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# port-authentication fail-auth-epg tenant <> application <> epg <>
```

port-authentication fail-auth-epg tenant <arg> application <arg> epg <arg>

Description: Set default EPg name if authentication fails

Syntax:

tenant	Tenant hosting the EPg
arg	
application	Application Name
arg	
epg	Deploy EPg if authentication fails
arg	

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# port-authentication fail-auth-epg tenant <> application <> epg <>
```

port-authentication fail-auth-vlan

port-authentication fail-auth-vlan <vlan-id>

Description: Set default vlan encap if authentication fails

Syntax:

<vlan-id>	Configure Vlan ID

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# port-authentication fail-auth-vlan <vlan-id>
```

port-authentication fail-auth-vlan <vlan-id>

Description: Set default vlan encap if authentication fails

Syntax:

<vlan-id>	Configure Vlan ID

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# port-authentication fail-auth-vlan <vlan-id>
```

port-authentication radius-provider-group

port-authentication radius-provider-group <arg>

Description: Set radius provider group

Syntax:

arg	

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# port-authentication radius-provider-group <>
```

port-authentication radius-provider-group <arg>

Description: Set radius provider group

Syntax:

arg	

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# port-authentication radius-provider-group <>
```

port-direction

port-direction uplink|downlink

Description: Configure an interface as up/downlink

Syntax:

uplink	port is uplink
downlink	port is downlink

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# port-direction uplink|downlink
```

port-direction uplink|downlink

Description: Configure an interface as up/downlink

Syntax:

uplink	port is uplink
downlink	port is downlink

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# port-direction uplink|downlink
```

port

port <NUMBER>

Description: LDAP server port for authentication

Syntax:

<1-65535>	Port number. Number range from=1 to=65535

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# port <NUMBER>
```

port <NUMBER>

Description: RADIUS server port for authentication

Syntax:

<1-65535>	RADIUS server port for authentication. Number range from=1 to=65535

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# port <NUMBER>
```

port <NUMBER>

Description: RSA server port for authentication

Syntax:

<1-65535>	RSA server port for authentication. Number range from=1 to=65535

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# port <NUMBER>
```

port <NUMBER>

Description: TACACS server port for authentication

Syntax:

<1-65535>	RADIUS server port for authentication. Number range from=1 to=65535

Command Mode: tacacs-server host : TACACS+ server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# port <NUMBER>
```

port <NUMBER>

Description: Set the port used for SSH communication service.

Syntax:

<0-65535>	Set the port used for SSH communication service.. Number range from=0 to=65535

Command Mode: ssh-service : SSH communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# ssh-service
(config-ssh-service)# port <NUMBER>
```

port <NUMBER>

Description: Set the port used for TELNET communication service.

Syntax:

<0-65535>	Set the port used for TELNET communication service.. Number range from=0 to=65535

Command Mode: telnet : TELNET communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# telnet
(config-telnet)# port <NUMBER>
```

port <NUMBER>

Description: Set the port used for HTTP communication service.

Syntax:

| *<1-65535>* | Set the port used for HTTP communication service.. Number range from=1 to=65535 |

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# port <NUMBER>
```

port <NUMBER>

Description: Set the port used for HTTPS communication service

Syntax:

| *<1-65535>* | Set the port used for HTTPS communication service. Number range from=1 to=65535 |

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# port <NUMBER>
```

port <arg>

Description: Port Number for TWAMP Server

Syntax:

| *arg* | Configure Port Number for TWAMP Server. Number range from=1 to=65535 |

Command Mode: template twamp server-policy : Configure twamp server policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template twamp server-policy <WORD>
(config-twamp-server-policy)# port <>
```

port <from> <to> type fc

Description: Configure Port Conversion

Syntax:

from	From port number. Number range from=1 to=128
to	To port number. Number range from=1 to=128
type	Select port type
fc	Fiber Channel

Command Mode: slot : Specify Slot Number

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# slot <card>
(config-leaf-slot)# port <from> <to> type fc
```

port <from> <to> type fc

Description: Configure Port Conversion

Syntax:

from	From port number. Number range from=1 to=128
to	To port number. Number range from=1 to=128
type	Select port type
fc	Fiber Channel

Command Mode: slot : Specify Slot Number

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# slot <card>
(config-leaf-slot)# port <from> <to> type fc
```

porttrack delay

porttrack delay <1-300>

Description: Set Port Tracking Delay

Syntax:

<1-300>	Delay value

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# porttrack delay <1-300>
```

porttrack minlinks

porttrack minlinks <0-48>

Description: Set Port Tracking minimum links left up before trigger

Syntax:

<0-48>	Minlinks Value

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# porttrack minlinks <0-48>
```

porttrack state

porttrack state on

Description: Set Port Tracking State

Syntax:

on	To enable port tracking state

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# porttrack state on
```

power-over-ethernet

power-over-ethernet <WORD>

Description: Add power over ethernet policy

Syntax:

WORD	Power Over Ethernet Node Policy Name (Max Size 64)

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# power-over-ethernet <WORD>
```

power-over-ethernet consumption

power-over-ethernet consumption <4000-30000>

Description: Set node level power wattage for interface consumption

Syntax:

<4000-30000>	Interface power consumption in milliwatts

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# power-over-ethernet consumption <4000-30000>
```

power-over-ethernet consumption <4000-30000>

Description: Set node level power wattage for interface consumption

Syntax:

<4000-30000>	Interface power consumption in milliwatts

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# power-over-ethernet consumption <4000-30000>
```

power-over-ethernet pwrctrl

power-over-ethernet pwrctrl <power control>

Description: Enable or Disable PoE for node

Syntax:

power control	Power Control

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# power-over-ethernet pwrctrl <power control>
```

power-over-ethernet pwrctrl <power control>

Description: Enable or Disable PoE for node

Syntax:

power control	Power Control

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# power-over-ethernet pwrctrl <power control>
```

power

power redundancy-policy <WORD>

Description: Create a power supply redundancy policy

Syntax:

redundancy-policy	Create a power supply redundancy policy
WORD	Power supply redundancy policy name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# power redundancy-policy <WORD>
```

preempt

preempt

Description: Overthrow lower priority Active routers

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# preempt
```

preempt

Description: Overthrow lower priority Active routers

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# preempt
```

preempt

Description: Overthrow lower priority Active routers

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# preempt
```

preempt

Description: Overthrow lower priority Active routers

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp group-policy <WORD> tenant <WORD>
```

```
(config-template-hsrp-group-pol)# preempt
```

preempt

Description: Overthrow lower priority Active routers

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# preempt
```

preempt

Description: Overthrow lower priority Active routers

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# preempt
```

preempt delay

preempt delay minimum|reload|sync <NUMBER>

Description: Wait before preempting

Syntax:

minimum	Delay at least this long
reload	Delay after reload
sync	Wait for IP redundancy clients
<0-3600>	Delay in seconds. Number range from=0 to=3600

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# preempt delay minimum|reload|sync <NUMBER>
```

preempt delay minimum|reload|sync <NUMBER>

Description: Wait before preempting

Syntax:

minimum	Delay at least this long
reload	Delay after reload
sync	Wait for IP redundancy clients
<0-3600>	Delay in seconds. Number range from=0 to=3600

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# preempt delay minimum|reload|sync <NUMBER>
```

preempt delay minimum|reload|sync <NUMBER>

Description: Wait before preempting

Syntax:

minimum	Delay at least this long
reload	Delay after reload
sync	Wait for IP redundancy clients
<0-3600>	Delay in seconds. Number range from=0 to=3600

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# preempt delay minimum|reload|sync <NUMBER>
```

preempt delay minimum|reload|sync <NUMBER>

Description: Wait before preempting

Syntax:

minimum	Delay at least this long
reload	Delay after reload
sync	Wait for IP redundancy clients
<0-3600>	Delay in seconds. Number range from=0 to=3600

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# preempt delay minimum|reload|sync <NUMBER>
```

preempt delay minimum|reload|sync <NUMBER>

Description: Wait before preempting

Syntax:

minimum	Delay at least this long
reload	Delay after reload
sync	Wait for IP redundancy clients
<0-3600>	Delay in seconds. Number range from=0 to=3600

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# preempt delay minimum|reload|sync <NUMBER>
```

preempt delay minimum|reload|sync <NUMBER>

Description: Wait before preempting

Syntax:

minimum	Delay at least this long
reload	Delay after reload
sync	Wait for IP redundancy clients
<0-3600>	Delay in seconds. Number range from=0 to=3600

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# preempt delay minimum|reload|sync <NUMBER>
```

prefix-suppression

prefix-suppression

Description: Suppress prefixes

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# prefix-suppression
```

prefix-suppression

Description: Suppress prefixes

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# prefix-suppression
```

presharedkey

presharedkey

Description: Set PreSharedKey

Command Mode: key-policy : Configuration for Key Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# keychain-policy <WORD>
(config-tenant-keychainpolicy)# key-policy <NUMBER>
(config-tenant-keychainpolicy-keypolicy)# presharedkey
```

preview

preview

Description: Rollback preview mode

Command Mode: snapshot rollback : Configuration rollback setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot rollback <WORD>
(config-rollback)# preview
```

priority-flow-control

priority-flow-control mode <arg>

Description: Configure Pfc Policy

Syntax:

mode	Pfc policy mode
arg	

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# priority-flow-control mode <>
```

priority-flow-control mode <arg>

Description: Configure Pfc Policy

Syntax:

mode	Pfc policy mode
arg	

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# priority-flow-control mode <>
```

priority-flow-control mode <arg>

Description: Configure Interface pfc policy

Syntax:

mode	Pfc policy mode
arg	

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# priority-flow-control mode <>
```

priority-flow-control mode <arg>

Description: Configure Interface pfc policy

Syntax:

mode	Pfc policy mode
arg	

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# priority-flow-control mode <>
```

priority-flow-control mode <arg>

Description: Configure Interface pfc policy

Syntax:

mode	Pfc policy mode
arg	

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# priority-flow-control mode <>
```

priority-flow-control mode <arg>

Description: Configure Interface pfc policy

Syntax:

mode	Pfc policy mode
arg	

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# priority-flow-control mode <>
```

priority-flow-control mode <arg>

Description: Configure Interface pfc policy

Syntax:

mode	Pfc policy mode
arg	

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# priority-flow-control mode <>
```

priority

priority <high|low>

Description: Set port priority

Syntax:

<high|low>	Port priority high or low

Command Mode: switchport power-over-ethernet : Power Over Ethernet configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport power-over-ethernet <WORD>
(config-power-over-ethernet)# priority <high|low>
```

priority <NUMBER>

Description: Router priority

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# priority <NUMBER>
```

priority <NUMBER>

Description: Priority level

Syntax:

<0-255>	Priority value. Number range from=0 to=255

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# priority <NUMBER>
```

priority <NUMBER>

Description: Priority level

Syntax:

<0-255>	Priority value. Number range from=0 to=255

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# priority <NUMBER>
```

priority <NUMBER>

Description: Priority level

Syntax:

<0-255>	Priority value. Number range from=0 to=255

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# priority <NUMBER>
```

priority <NUMBER>

Description: Router priority

Syntax:

<0-255>	OSPF priority. Number range from=0 to=255

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# priority <NUMBER>
```

priority <NUMBER>

Description: Priority level

Syntax:

<0-255>	Priority value. Number range from=0 to=255

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# priority <NUMBER>
```

priority <NUMBER>

Description: Priority level

Syntax:

<0-255>	Priority value. Number range from=0 to=255

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# priority <NUMBER>
```

priority <NUMBER>

Description: Priority level

Syntax:

<0-255>	Priority value. Number range from=0 to=255

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# priority <NUMBER>
```

priv-type

priv-type <privType>

Description: Set the AAA domain role to set privilege bitmask of a user domain

Syntax:

<privType>	<privType>

Command Mode: role : Create the AAA domain role to set privilege bitmask of a user domain

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# domain <WORD>
(config-domain)# role <WORD>
(config-role)# priv-type <privType>
```

priv-type <privType>

Description: Set the AAA domain role to set privilege bitmask of a group map rule

Syntax:

<privType>	<privType>

Command Mode: role : Create the AAA domain role to set privilege bitmask of a user domain

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-group-map-rule <WORD>
(config-ldap-group-map-rule)# domain <WORD>
(config-domain)# role <WORD>
(config-role)# priv-type <privType>
```

priv

priv <privileges>

Description: Set privileges (comma separated values)

Syntax:

<privileges>	Privileges as comma separated values like val1,val2,..valN

Command Mode: rbac role : Create AAA role, attributes and privileges for user authorization

Command Path:

```
# configure [['terminal', 't']]
(config)# rbac role <WORD>
(config-role)# priv <privileges>
```

private-as-control

private-as-control remove-exclusive|remove-exclusive-all|remove-exclusive-all-replace-as

Description: Private AS Control

Syntax:

remove-exclusive	Remove private AS
remove-exclusive-all	Remove all private AS
remove-exclusive-all-replace-as	Replace private AS with local AS

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# private-as-control
remove-exclusive|remove-exclusive-all|remove-exclusive-all-replace-as
```

private-as-control remove-exclusive|remove-exclusive-all|remove-exclusive-all-replace-as

Description: Private AS Control

Syntax:

remove-exclusive	Remove private AS
remove-exclusive-all	Remove all private AS
remove-exclusive-all-replace-as	Replace private AS with local AS

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# private-as-control
remove-exclusive|remove-exclusive-all|remove-exclusive-all-replace-as
```

probability

probability <probabilityValue>

Description: Set WRED Probability

Syntax:

probabilityValue	Set WRED Probability. Number range from=0 to=100

Command Mode: algo : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# algo wred|tail-drop
(config-qos-algo)# probability <probabilityValue>
```

profile-type

profile-type <arg>

Description: Leaf aggregate policy for Control Plane Policing

Syntax:

arg	Aggregate Profile

Command Mode: policy-map type control-plane-leaf : Create leaf aggregate ControlPlane policy to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-leaf <WORD>
(config-pmap-copp-leaf)# profile-type <>
```

profile-type <arg>

Description: Spine aggregate policy for Control Plane Policing

Syntax:

arg	Aggregate Profile

Command Mode: policy-map type control-plane-spine : Create spine aggregate ControlPlane policy to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-spine <WORD>
(config-pmap-copp-spine)# profile-type <>
```

profile-type <profile-type>

Description: Set profile type for scale profile

Syntax:

profile-type	Profile Type

Command Mode: scale-profile : Configure Forwarding Scale Profile policy

Command Path:

```
# configure [['terminal', 't']]
(config)# scale-profile <WORD>
(config-scale-profile)# profile-type <profile-type>
```

protect-vm-group

protect-vm-group <vm-group>

Description: Protect Cluster VM Group

Syntax:

<vm-group>	VM Group

Command Mode: vcenter : Configure a vCenter in the VMware domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
(config-vmware-vc)# protect-vm-group <vm-group>
```

protocol

protocol <protocol>

Description: RADIUS server protocol for authentication

Syntax:

<protocol>	<protocol>

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# protocol <protocol>
```

protocol <protocol>

Description: RSA server protocol for authentication

Syntax:

<protocol>	<protocol>

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# protocol <protocol>
```

protocol <WORD>

Description: Set the TACACS+ authentication protocol

Syntax:

WORD	TACACS+ authentication protocol

Command Mode: tacacs-server host : TACACS+ server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# protocol <WORD>
```

protocol <WORD>

Description: Set the TACACS+ accounting protocol

Syntax:

WORD	TACACS+ accounting protocol

Command Mode: remote-dest : TACACS Accounting remote destination's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacslog-group <WORD>
(config-tacacslog-group)# remote-dest <A.B.C.D|A:B::C:D|WORD> port <port>
(config-remote-dest)# protocol <WORD>
```

provider

provider epg-label <WORD> [complement]

Description: Add a provider EPG label

Syntax:

epg-label	EPG label
WORD	EPG label name (Max Size 64)
complement	(Optional) Set isComplement property of the label to True

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# provider epg-label <WORD> [complement]
```

proxy-arp

proxy-arp enable

Description: Enable Proxy ARP

Syntax:

| enable | Enable Proxy ARP |

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# proxy-arp enable
```

psk-string

psk-string WORD

Description: Configure pre shared key string

Syntax:

WORD	pre shared key in clear text of 32/64 hex characters

Command Mode: key : Configure CKN as hex string of max 64 characters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric keychain <WORD>
(config-macsec-keychain)# key <WORD>
(config-macsec-keychain-key)# psk-string WORD
```

pskindex

pskindex <WORD>

Description: Configure the Pre Shared Key Index

Syntax:

WORD	Psk Index (Max Size 256)

Command Mode: template cloudsec : Configure cloudsec Policies

Command Path:

```
# configure [['terminal', 't']]
(config)# template cloudsec <WORD>
(config-cloudsec)# pskindex <WORD>
```

pskstring

pskstring <WORD>

Description: Add Psk String for Cloudsec Policy

Syntax:

WORD	PSK string (Max Size 64)

Command Mode: pskindex : Configure the Pre Shared Key Index

Command Path:

```
# configure [['terminal', 't']]
(config)# template cloudsec <WORD>
(config-cloudsec)# pskindex <WORD>
(config-pskindex)# pskstring <WORD>
```

ptp

ptp

Description: Configure PTP protocol State

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# ptp
```

public-address-pool

public-address-pool <pub_pool> <connection-type>

Description: Configure Public IP Address Pool for Normalized mode

Syntax:

pub_pool	pub_pool
connection-type	bridge-domain/l3-external

Command Mode: l4l7 resource-pool : Configure L4-L7 Service Resource Pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# public-address-pool <pub_pool> <connection-type>
```

pwd-lifetime

pwd-lifetime <NUMBER>

Description: Set The lifetime of the user password (0 = No password expiration)

Syntax:

<0-3650>	lifetime of locally-authenticated user password. Number range from=0 to=3650

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# pwd-lifetime <NUMBER>
```

pwrctrl

pwrctrl <pwrCtrl>

Description: Update power control value in PoE Node-policy

Syntax:

pwrCtrl	Power Control

Command Mode: template power-over-ethernet node-policy : Configure Power Over Ethernet Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template power-over-ethernet node-policy <WORD>
(config-poe-node-pol)# pwrctrl <pwrCtrl>
```

Q Commands

qinq-static-endpoint

qinq-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure Silent Host behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
outer-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
inner-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i
A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# qinq-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan
<NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

qinq-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure silent Host behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)

EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
outer-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
inner-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i
A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# qinq-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan
<NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

qinq-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure Silent Host behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
outer-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
inner-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i
A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# qinq-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan
<NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

qinq-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure silent Host behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
outer-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
inner-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i
A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# qinq-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan
<NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

qinq-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure silent Host behind a EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
outer-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
inner-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i
A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# qinq-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan
<NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

qos

qos dscp-map <WORD>

Description: Set DSCP Class translation values

Syntax:

dscp-map	DSCP map
WORD	DSCP Translation Policy name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# qos dscp-map <WORD>
```

qos parameters

qos parameters <WORD>

Description: Configure the global QOS policies

Syntax:

WORD	Qos Level

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
```

qos preserve

qos preserve cos

Description: Preserve incoming qos value in the frame

Syntax:

cos	IEEE 802.1P class of service.

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# qos preserve cos
```

query-profile

query-profile

Description: Configure Query profile Parameters

Command Mode: callhome : Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# query-profile
```

query-profile

Description: Configure Query profile Parameters

Command Mode: smartcallhome : Smart Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# query-profile
```

query

query <WORD> type dn|class <dn/classname>

Description: Configure Query profile Parameters

Syntax:

WORD	Query name (Max Size 16)
type	type
dn	Dn
class	Class
<dn/classname>	The class or DN name

Command Mode: query-profile : Configure Query profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
```

query <WORD> type dn|class <dn/classname>

Description: Configure Query profile Parameters

Syntax:

WORD	Query name (Max Size 16)
type	type
dn	Dn
class	Class
<dn/classname>	The class or DN name

Command Mode: query-profile : Configure Query profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
```

queue control

queue control dynamic

Description: Set the queueing control method

Syntax:

dynamic	Dynamic allocation of queue resources

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# queue control dynamic
```

queue limit

queue limit <1500-9216>

Description: Set the limit for the policing queue

Syntax:

<1500-9216>	Queue limit size

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# queue limit <1500-9216>
```

quota

quota <WORD> max <0-4294967295> [exceed-action <WORD>] [scope <WORD>] [tenant <WORD>] [bridge-domain <WORD>] [application <WORD>] [epg <WORD>]

Description: Quota Settings

Syntax:

WORD	Name of class to place under quota (Max Size None)
max	Maximum value above which exceed action is taken
<0-4294967295>	Maximum value above which exceed action is taken
WORD	(Optional) Exceed Action to be taken when max is exceeded
WORD	(Optional) Subtree where the quota is calculated (Max Size None)
WORD	(Optional) Tenant for the quota (Max Size 63)
WORD	(Optional) Name of the bridge-domain (Max Size 64)
WORD	(Optional) Application name (Max Size 64)
WORD	(Optional) Application EPG name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# quota <WORD> max <0-4294967295> [exceed-action <WORD>] [scope <WORD>] [tenant
<WORD>] [bridge-domain <WORD>] [application <WORD>] [epg <WORD>]
```

R Commands

radius-provider-group

radius-provider-group <arg>

Description: Set radius provider group

Syntax:

arg	

Command Mode: policy-map type port-authentication : Create node level port authentication policy

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type port-authentication <WORD>
(config-pmap-port-authentication)# radius-provider-group <>
```

radius-server host

radius-server host <A.B.C.D|A:B::C:D|WORD>

Description: RADIUS server's DNS name or its IP address

Syntax:

A.B.C.D/A:B::C:D/WORD	Provide a hostname or IPV4/IPV6 address

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
```

radius-server retries

radius-server retries <NUMBER>

Description: Global RADIUS server retransmit count

Syntax:

<0-5>	Global RADIUS server retransmit count. Number range from=0 to=5

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server retries <NUMBER>
```

radius-server timeout

radius-server timeout <NUMBER>

Description: Global RADIUS server timeout period in seconds

Syntax:

<1-60>	Global RADIUS server timeout period in seconds. Number range from=1 to=60

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server timeout <NUMBER>
```

rate

rate <arg>

Description: Set rate and burst-rate (Byte Per Second)

Syntax:

| *arg* | . Number range from=10 to=4398046510080 |

Command Mode: policy-protocol : Create policy protocol

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-if <WORD>
(config-pmap-copp-if)# policy-protocol <WORD>
(config-pmap-copp-if)# rate <>
```

rbac role

rbac role <WORD>

Description: Create AAA role, attributes and privileges for user authorization

Syntax:

WORD	Provide AAA Security domain role name (Max Size 32)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# rbac role <WORD>
```

rbac rule

rbac rule <DN> <WORD>

Description: Create RBAC rule, security domain users can read subtree starting at specific object

Syntax:

DN	Provide RBAC Rule ObjectDN string
WORD	Provide RBAC Rule domain name (Max Size None)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# rbac rule <DN> <WORD>
```

rbac security-domain

rbac security-domain <WORD>

Description: Create AAA security domain for processing authentication requests.

Syntax:

| *WORD* | Provide AAA Security domain name (Max Size 32) |

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# rbac security-domain <WORD>
```

readerr

readerr <500-2000>

Description: Set readErr for ssd flash config

Syntax:

| *<500-2000>* | readErr |

Command Mode: flash-config : Configure SSD Flash Config policy

Command Path:

```
# configure [['terminal', 't']]
(config)# flash-config <WORD>
(config-flash-config)# readerr <500-2000>
```

realm

realm <realm>

Description: Specify server realm

Syntax:

<realm>	<realm>

Command Mode: aaa authentication login console : Configure console methods

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login console
(config-console)# realm <realm>
```

realm <realm>

Description: Specify server realm

Syntax:

<realm>	<realm>

Command Mode: aaa authentication login default : Configure default methods

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login default
(config-default)# realm <realm>
```

realm <realm>

Description: Specify server realm

Syntax:

<realm>	<realm>

Command Mode: aaa authentication login domain : Configure domain methods

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa authentication login domain <WORD>
(config-domain)# realm <realm>
```

record

record <WORD>

Description: Assign Netflow Record to the Monitor

Syntax:

WORD	Monitor Name (Max Size 64)

Command Mode: flow monitor : Configure Netflow Monitor

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow monitor <WORD>
(config-tn-flow-monitor)# record <WORD>
```

record <WORD>

Description: Assign Netflow Record to the Monitor

Syntax:

WORD	Monitor Name (Max Size 64)

Command Mode: flow monitor : Configure Netflow Monitor

Command Path:

```
# configure [['terminal', 't']]
(config)# flow monitor <WORD>
(config-flow-monitor)# record <WORD>
```

recurring

recurring window <WORD>

Description: Recurring window configuration mode

Syntax:

window	Configure a schedule window
WORD	Window name (Max size 31)

Command Mode: scheduler : Scheduler configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# recurring window <WORD>
```

redir-dest

redir-dest <A.B.C.D|A:B::C:D> <XX:XX:XX:XX:XX:XX>

Description: Set ip and mac for service redirect destination

Syntax:

A.B.C.D/A:B::C:D	IP address of the device
XX:XX:XX:XX:XX:XX	virtual mac address

Command Mode: svcredir-pol : Configure L4L7 service redirection policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
(svcredir-pol)# redir-dest <A.B.C.D|A:B::C:D> <XX:XX:XX:XX:XX:XX>
```

redirect-health-group

redirect-health-group <WORD>

Description: Configure Redirect Health Group

Syntax:

WORD	Redirect HealthGroup name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# redirect-health-group <WORD>
```

redirect

redirect

Description: Enable the state of the HTTP redirect state

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# redirect
```

redistrib-metric

redistrib-metric <NUMBER>

Description: Set the configuration of ISIS metric for redistributed routes

Syntax:

<1-63>	The configuration of ISIS metric for redistributed routes. Number range from=1 to=63

Command Mode: isis : Intermediate System to Intermediate System (IS-IS)

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# isis fabric
(config-pod-isis)# redistrib-metric <NUMBER>
```

redistrib-metric <NUMBER>

Description: Set the configuration of ISIS metric for redistributed routes

Syntax:

<1-63>	The configuration of ISIS metric for redistributed routes. Number range from=1 to=63

Command Mode: template isis-fabric : InterSystem-InterSystem Protocol (IS-IS)

Command Path:

```
# configure [['terminal', 't']]
(config)# template isis-fabric <WORD>
(config-template-isis-fabric)# redistrib-metric <NUMBER>
```

redistribute

redistribute ospf|eigrp|static route-map <WORD>

Description: Redistribute route map

Syntax:

ospf	Redistribute OSPF
eigrp	Redistribute EIGRP
static	Redistribute Static Routes
route-map	Route map to redistribute to
WORD	Route Map Name (Max Size 63)

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# redistribute ospf|eigrp|static route-map <WORD>
```

redistribute ospf|eigrp|static route-map <WORD>

Description: Redistribute route map

Syntax:

ospf	Redistribute OSPF
eigrp	Redistribute EIGRP
static	Redistribute Static Routes
route-map	Route map to redistribute to
WORD	Route Map Name (Max Size 63)

Command Mode: vrf : Virtual Router Context

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# redistribute ospf|eigrp|static route-map <WORD>
```

redundancy-mode

redundancy-mode combined|ps-redundant|redundant

Description: Configure power supply redundancy mode

Syntax:

combined	Combined mode to use output of all available PS
ps-redundant	PS redundant mode (N+1) to enable power output redundancy
redundant	Redundant mode (N+N) for a single PS to power the system

Command Mode: power : Create a power supply redundancy policy

Command Path:

```
# configure [['terminal', 't']]
(config)# power redundancy-policy <WORD>
(config-power)# redundancy-mode combined|ps-redundant|redundant
```

region

region <WORD>

Description: STP MST region configuration mode

Syntax:

WORD	MST region name

Command Mode: spanning-tree : STP MST configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spanning-tree mst configuration
(config-stp)# region <WORD>
```

reload controller

reload controller <NUMBER>

Description: Reload controller

Syntax:

<1-64>	Controller id. Number range from=1 to=64

Command Mode: exec : Exec Mode

Command Path:

```
# reload controller <NUMBER>
```

reload switch

reload switch <NUMBER>

Description: Reload switch

Syntax:

<101-4000>	Switch id. Number range from=101 to=4000

Command Mode: exec : Exec Mode

Command Path:

```
# reload switch <NUMBER>
```

remote-as

remote-as <NUMBER>

Description: Specify Autonomous System Number of the neighbor

Syntax:

<1-4294967295>	The Remote autonomous system number. Number range from=1 to=4294967295

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# remote-as <NUMBER>
```

remote-as <NUMBER>

Description: Specify Autonomous System Number of the neighbor

Syntax:

<1-4294967295>	The Remote autonomous system number. Number range from=1 to=4294967295

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# remote-as <NUMBER>
```

remote-dest

remote-dest <A.B.C.D|A:B::C:D|WORD> port <port>

Description: TACACS Accounting remote destination's DNS name or its IP address

Syntax:

A.B.C.D/A:B::C:D/WORD	TACACS+ server's DNS name or its IP address
port	port number for the remote destination
port	Tacacs server port for accounting logs. Number range from=1 to=65535

Command Mode: tacacslog-group : configure tacacs group

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacslog-group <WORD>
(config-tacacslog-group)# remote-dest <A.B.C.D|A:B::C:D|WORD> port <port>
```

remote

remote path <WORD>

Description: Remote path configuration mode

Syntax:

path	Configure remote path
WORD	Remote path configuration name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# remote path <WORD>
```

remote path <WORD>

Description: Set the remote path configuration will get downloaded from

Syntax:

path	Assign remote path
WORD	Remote path name

Command Mode: snapshot download : Configuration snapshot download setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot download <WORD>
(config-download)# remote path <WORD>
```

remote path <WORD>

Description: Set the remote path configuration will get exported to

Syntax:

path	Configure remote path
WORD	Remote path name

Command Mode: snapshot export : Configuration export setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot export <WORD>
```

```
(config-export)# remote path <WORD>
```

remote path <WORD>

Description: Set the remote path configuration will get imported from

Syntax:

path	Assign remote path
WORD	Remote path name

Command Mode: snapshot import : Configuration import setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot import <WORD>
(config-import)# remote path <WORD>
```

remote path <WORD>

Description: Set the remote path configuration will get uploaded to

Syntax:

path	Assign remote path
WORD	Remote path name

Command Mode: snapshot upload : Configuration snapshot upload setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot upload <WORD>
(config-upload)# remote path <WORD>
```

replace-controller replace

replace-controller replace <NUMBER> <standby-serial>

Description: Replace active controller with standby

Syntax:

<1-64>	Controller ID. Number range from=1 to=64
<standby-serial>	Backup serial number

Command Mode: exec : Exec Mode

Command Path:

```
# replace-controller replace <NUMBER> <standby-serial>
```

replace-controller reset

replace-controller reset <NUMBER>

Description: Reset failover status of controller

Syntax:

<1-64>	Controller ID. Number range from=1 to=64

Command Mode: exec : Exec Mode

Command Path:

```
# replace-controller reset <NUMBER>
```

request-status-count

request-status-count <NUMBER>

Description: Set the maximum count of HTTP requests to track.

Syntax:

<count>	Set the maximum count of HTTP requests to track.. Number range from=0 to=1024

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# request-status-count <NUMBER>
```

request-status-count <NUMBER>

Description: Set the maximum count of HTTPS requests to track

Syntax:

<count>	Set the maximum count of HTTPS requests to track.. Number range from=0 to=1024

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# request-status-count <NUMBER>
```

reset-to-factory

reset-to-factory

Description: Reset role to factory default privileges

Command Mode: rbac role : Create AAA role, attributes and privileges for user authorization

Command Path:

```
# configure [['terminal', 't']]
(config)# rbac role <WORD>
(config-role)# reset-to-factory
```

response-incl

response-incl <respincl>

Description: Configure response subtree which needs to be included

Syntax:

<respincl>	The response subtree to be included

Command Mode: query : Configure Query profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# response-incl <respincl>
```

response-incl <respincl>

Description: Configure response subtree which needs to be included

Syntax:

<respincl>	The response subtree to be included

Command Mode: query : Configure Query profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# response-incl <respincl>
```

response-subtree

response-subtree full|children|no

Description: Configure response-subtree

Syntax:

full	Full
children	Children
no	No

Command Mode: query : Configure Query profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# response-subtree full|children|no
```

response-subtree full|children|no

Description: Configure response-subtree

Syntax:

full	Full
children	Children
no	No

Command Mode: query : Configure Query profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# response-subtree full|children|no
```

retransmit-interval

retransmit-interval <NUMBER>

Description: Set the interval between LSA retransmissions

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# retransmit-interval <NUMBER>
```

retransmit-interval <NUMBER>

Description: Set the interval between LSA retransmissions

Syntax:

<1-65535>	Interval in seconds. Number range from=1 to=65535

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# retransmit-interval <NUMBER>
```

retries

retries <NUMBER>

Description: LDAP server retries for authentication

Syntax:

<0-5>	LDAP server retries for authentication. Number range from=0 to=5

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# retries <NUMBER>
```

retries <0-5>

Description: RADIUS server retries for authentication

Syntax:

<0-5>	RADIUS server retries for authentication

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# retries <0-5>
```

retries <0-5>

Description: RSA server retries for authentication

Syntax:

<0-5>	RSA server retries for authentication

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# retries <0-5>
```

retries <NUMBER>

Description: TACACS server retries for authentication

Syntax:

<0-5>	TACACS server retries for authentication. Number range from=0 to=5

Command Mode: tacacs-server host : TACACS+ server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# retries <NUMBER>
```

reverse-port

reverse-port

Description: Decide if the ports should be reverted on filters of type both

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# reverse-port
```

revision

revision <NUMBER>

Description: Set the MST region revision number

Syntax:

<0-65535>	MST region revision number. Number range from=0 to=65535

Command Mode: region : STP MST region configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spanning-tree mst configuration
(config-stp)# region <WORD>
(config-stp-region)# revision <NUMBER>
```

rfc-compliant

rfc-compliant true|false

Description: Configure the rfc compliance

Syntax:

true	Enable rfc compliance
false	Disable rfc compliance

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# rfc-compliant true|false
```

rfc-compliant true|false

Description: Configure the rfc compliance

Syntax:

true	Enable rfc compliance
false	Disable rfc compliance

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# rfc-compliant true|false
```

rhev-domain

rhev-domain <WORD> [delimiter <WORD>]

Description: Create a VMM Redhat Domain

Syntax:

WORD	VMM Redhat Domain name
WORD	(Optional) Custom Delimiter

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# rhev-domain <WORD> [delimiter <WORD>]
```

rhev-domain member <WORD> [encap <WORD>] [primary-encap <WORD>] [deploy <WORD>] [push <WORD>] [delimiter <WORD>]

Description: Associate EPG to a Redhat Domain

Syntax:

member	Bind the EPG to a Redhat domain
WORD	Redhat Domain Name
WORD	(Optional) Enforce encap value. Secondary encap when EPG is isolated (For example vlan-10 or auto)
WORD	(Optional) Primary encap when EPG is isolated (For example vlan-11 or auto)
WORD	(Optional) Deployment mode
WORD	(Optional) Push mode
WORD	(Optional) Custom Delimiter

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# rhev-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
[deploy <WORD>] [push <WORD>] [delimiter <WORD>]
```

rhev

rhev <arg> datacenter <WORD>

Description: Configure an RHEV controller in the Redhat domain

Syntax:

arg	
datacenter	Datacenter Name
WORD	Datacenter Name

Command Mode: rhev-domain : Create a VMM Redhat Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# rhev-domain <WORD> [delimiter <WORD>]
(config-redhat)# rhev <> datacenter <WORD>
```

role

role <WORD>

Description: Create the AAA domain role to set privilege bitmask of a user domain

Syntax:

WORD	User role

Command Mode: domain : Create the AAA domain to which the user belongs.

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# domain <WORD>
(config-domain)# role <WORD>
```

role <WORD>

Description: Create the AAA domain role to set privilege bitmask of a user domain

Syntax:

WORD	User role

Command Mode: domain : Create the AAA domain to which the Group DN belongs.

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-group-map-rule <WORD>
(config-ldap-group-map-rule)# domain <WORD>
(config-domain)# role <WORD>
```

rotrigger snapshot export

rotrigger snapshot export <WORD>

Description: Read-only Trigger command for snapshot export

Syntax:

WORD	Snapshot export configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# rotrigger snapshot export <WORD>
```

route-control

route-control import|export

Description: Configure Route Control

Syntax:

import	Import Control
export	Export Control

Command Mode: l3out : Configuration for L3Out

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# route-control import|export
```

route-map

route-map <WORD> deny|permit <Sequence to insert to/delete from existing route-map entry>

Description: Configure route-map

Syntax:

WORD	Route-map name
deny	deny
permit	permit
Sequence to insert to/delete from existing route-map entry	Sequence to insert to/delete from existing route-map entry. Number range from=0 to=65535

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
```

route-map <WORD>

Description: Create route-map or enter route-map command mode

Syntax:

WORD	Route-map name (Max Size 64)

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
```

route-map <WORD> in|out

Description: Apply route-map to neighbor

Syntax:

WORD	Route Map Name (Max Size 63)
in	Apply policy to incoming routes

out	Apply policy to outgoing routes

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# route-map <WORD> in|out
```

route-map <WORD>

Description: Create route-map or enter route-map command mode

Syntax:

WORD	Route-map name (Max Size 64)

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
```

route-map <WORD> in|out

Description: Apply route-map to neighbor

Syntax:

WORD	Route Map Name (Max Size 63)
in	Apply policy to incoming routes
out	Apply policy to outgoing routes

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# route-map <WORD> in|out
```

route-map interpod-import

Description: Import subnet from IPN

Syntax:

interpod-import	Import subnet from IPN

Command Mode: fabric-external : Intrasite/Intersite Connectivity Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# route-map interpod-import
```

route-profile

route-profile <WORD>

Description: Configure route-profile

Syntax:

WORD	Route profile name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# route-profile <WORD>
```

route-profile <WORD>

Description: Configure route-profile for bridge-domain

Syntax:

WORD	Route profile name

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# route-profile <WORD>
```

route-reflector

route-reflector spine <LIST> [description <TEXT>]

Description: Configure BGP route-reflectors

Syntax:

spine	Configure Spines as route-reflectors
LIST	Route-reflector spine node name or ID list. Ex. spine1 or 103,105
TEXT	(Optional) Description

Command Mode: bgp-fabric : Border Gateway Protocol (BGP)

Command Path:

```
# configure [['terminal', 't']]
(config)# bgp-fabric
(config-bgp-fabric)# route-reflector spine <LIST> [description <TEXT>]
```

route-reflector spine <LIST> [description <TEXT>]

Description: Configure BGP route-reflectors

Syntax:

spine	Configure Spines as route-reflectors
LIST	Route-reflector spine node name or ID list. Ex. spine1 or 103,105
TEXT	(Optional) Description

Command Mode: bgp : Border Gateway Protocol (BGP)

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# bgp fabric
(config-pod-bgp)# route-reflector spine <LIST> [description <TEXT>]
```

route-target

route-target <WORD> <WORD>

Description: Route-Target

Syntax:

WORD	Route-Target mode
WORD	Route-Target Extended Community in format <AS(4bytes)>:<NN(2bytes)> (Max Size None)

Command Mode: address-family : Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# address-family ipv4|ipv6 unicast
(config-leaf-vrf-af)# route-target <WORD> <WORD>
```

route-target <WORD> <WORD>

Description: Route-Target

Syntax:

WORD	Route-Target mode
WORD	Route-Target Extended Community in format <AS(4bytes)>:<NN(2bytes)> (Max Size None)

Command Mode: address-family : Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# address-family ipv4|ipv6 unicast
(config-leaf-vrf-af)# route-target <WORD> <WORD>
```

route-target extended <value>

Description: Global EVPN Route Target

Syntax:

extended	Route-Target as extended community
value	Community value in aa:nn format

Command Mode: fabric-external : Intrasite/Intersite Connectivity Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# route-target extended <value>
```

router-advertisement-guard-admin-status

router-advertisement-guard-admin-status enabled|disabled

Description: Config router advertisement administrative status in first hop security bridge domain policy

Syntax:

enabled	Enable router advertisement guard
disabled	Disable router advertisement guard

Command Mode: security-policy : Configuration for security policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard-admin-status enabled|disabled
```

router-advertisement-guard

router-advertisement-guard

Description: Configuration for router advertisement guard policy

Command Mode: security-policy : Configuration for security policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
```

router-advertisement

router-advertisement

Description: Config trust router advertisement in trust control policy

Command Mode: trust-control : Configuration for trust control policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# trust-control <WORD>
(config-tenant-fhs-trustctrl)# router-advertisement
```

router-id

router-id <A.B.C.D|A:B::C:D>

Description: Set router-id for peer l4l7 device

Syntax:

A.B.C.D/A:B::C:D	IP address for the l4l7 peer

Command Mode: rtr-cfg : Configure L4-L7 router configuration parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# rtr-cfg <WORD>
(rtr-cfg)# router-id <A.B.C.D|A:B::C:D>
```

router-id <A.B.C.D>

Description: Configure Router ID

Syntax:

A.B.C.D	Router ID Value

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# router-id <A.B.C.D>
```

router-id <A.B.C.D>

Description: Configure Router ID

Syntax:

A.B.C.D	Router ID Value

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# router-id <A.B.C.D>
```

router bgp

router bgp <fabric-ASN>

Description: Border Gateway Protocol (BGP)

Syntax:

<fabric-ASN>	Autonomous System Number

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
```

router bgp <fabric-ASN>

Description: Border Gateway Protocol (BGP)

Syntax:

<fabric-ASN>	Autonomous System Number

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
```

router eigrp

router eigrp default

Description: Enhanced Interior Gateway Routing Protocol (EIGRP)

Syntax:

default	EIGRP process tag

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
```

router eigrp default

Description: Enhanced Interior Gateway Routing Protocol (EIGRP)

Syntax:

default	EIGRP process tag

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
```

router ospf

router ospf default|multipod-internal

Description: Open Shortest Path First (OSPF and OSPF Version3)

Syntax:

default	Process tag for default ospf and ospfv3
multipod-internal	Process tag for multipod-internal ospf (used for forwarding traffic from local leaf across pod to remote leaf in remote pod

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
```

router ospf default|multipod-internal

Description: Open Shortest Path First (OSPF and OSPF Version3)

Syntax:

default	Process tag for default ospf and ospfv3
multipod-internal	Process tag for multipod-internal ospf (used for forwarding traffic from local leaf across pod to remote leaf in remote pod

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
```

rsa-server host

rsa-server host <A.B.C.D|A:B::C:D|WORD>

Description: RSA server's DNS name or its IP address

Syntax:

A.B.C.D/A:B::C:D/WORD	Provide a hostname or IPV4/IPV6 address

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
```

rsa-server retries

rsa-server retries <NUMBER>

Description: Global RSA server retransmit count

Syntax:

<0-5>	Global RSA server retransmit count. Number range from=0 to=5

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server retries <NUMBER>
```

rsa-server timeout

rsa-server timeout <NUMBER>

Description: Global RSA server timeout period in seconds

Syntax:

<1-60>	Global RSA server timeout period in seconds. Number range from=1 to=60

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server timeout <NUMBER>
```

Input

rsptime

rsptime <NUMBER>

Description: Set the requested response time

Syntax:

| *<40-85000>* | Set the requested response time. Number range from=40 to=85000 |

Command Mode: performance : Nginx Requested Response Time Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# performance
(config-performance)# rsptime <NUMBER>
```

rtr-cfg

rtr-cfg <WORD>

Description: Configure router configuration association for a L4-L7 service.

Syntax:

WORD	router configuration name (Max Size 64)

Command Mode: service : Configure L4-L7 Service

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode
 <Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]
(config-service)# rtr-cfg <WORD>
```

rtr-cfg <WORD>

Description: Configure L4-L7 router configuration parameters

Syntax:

WORD	router configuration name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# rtr-cfg <WORD>
```

run-mode

run-mode pause-never|pause-on-failure

Description: Set run-mode

Syntax:

pause-never	Do not pause on failure
pause-on-failure	Pause upgrade if upgrade of current set of nodes fail

Command Mode: switch-group : Create switch firmware upgrade policy

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# run-mode pause-never|pause-on-failure
```

S Commands

sak-expiry-time

sak-expiry-time x in <0-0> or <60-2592000>

Description: Configure the Security Association Key Expiry Time (in sec)

Syntax:

x in <0-0> or <60-2592000>	SAK Expiry Time, default 0=disabled

Command Mode: template macsec access|fabric security-policy : Configure MAC security policy parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric security-policy <WORD>
(config-macsec-param)# sak-expiry-time x in <0-0> or <60-2592000>
```

sakexpirytime

sakexpirytime <NUMBER>

Description: Configure the Security Association Key Expiry Time (in minutes)

Syntax:

<5-1440>	SAK Expiry Time. Number range from=5 to=1440

Command Mode: template cloudsec : Configure cloudsec Policies

Command Path:

```
# configure [['terminal', 't']]
(config)# template cloudsec <WORD>
(config-cloudsec)# sakexpirytime <NUMBER>
```

sampling-rate

sampling-rate <samplingRate>

Description: Configure Sampling Rate

Syntax:

samplingRate	Configure Sampling Rate. Number range from=0 to=1000

Command Mode: flow exporter : Configure NetFlow Exporter Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-dvs
(config-vmware-dvs)# flow exporter <WORD>
(config-vmware-dvs-flow-exporter)# sampling-rate <samplingRate>
```

sampling-rate <samplingRate>

Description: Configure Sampling Rate

Syntax:

samplingRate	Configure Sampling Rate. Number range from=0 to=1000

Command Mode: flow exporter : Configure NetFlow Exporter Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# flow exporter <WORD>
(config-None)# sampling-rate <samplingRate>
```

sampling-rate <samplingRate>

Description: Configure Sampling Rate

Syntax:

samplingRate	Configure Sampling Rate. Number range from=0 to=1000

Command Mode: flow exporter : Configure NetFlow Exporter Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
```

```
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# flow exporter <WORD>
(config-None)# sampling-rate <samplingRate>
```

scale-profile

scale-profile <WORD>

Description: Configure Forwarding Scale Profile policy

Syntax:

WORD	Provide a Forwarding Scale Profile policy name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scale-profile <WORD>
```

scale-profile <arg>

Description: Add Forwarding Scale Profile policy

Syntax:

arg	

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# scale-profile <>
```

schedule

schedule <WORD>

Description: Assign a scheduler

Syntax:

WORD	scheduler name (Max Size 64)

Command Mode: switch-group : Create switch firmware upgrade policy

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# schedule <WORD>
```

schedule <WORD>

Description: Schedule snapshot export

Syntax:

WORD	Scheduler name

Command Mode: snapshot export : Configuration export setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot export <WORD>
(config-export)# schedule <WORD>
```

scheduler

scheduler pause

Description: Pause maintenance policy scheduler

Syntax:

pause	Pause maintenance policy scheduler

Command Mode: switch-group : Create switch firmware upgrade policy

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# scheduler pause
```

scheduler fabric|controller schedule <WORD>

Description: Scheduler configuration mode

Syntax:

fabric	Fabric schedules
controller	Controller schedules
schedule	Configure a schedule
WORD	Schedule name (Max size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
```

scheduling

scheduling <WORD>

Description: Set the scheduling algorithm

Syntax:

WORD	Algorithm to choose

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# scheduling <WORD>
```

scope

scope <WORD>

Description: Specify the scope for the contract

Syntax:

WORD	Contract Scope

Command Mode: contract : Configure binary contracts between Application EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# scope <WORD>
```

scope <WORD>

Description: Configure Useg EPG scope

Syntax:

WORD	Configure Useg scope

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# scope <WORD>
```

scope combinable

Description: Set route-profile scope

Syntax:

combinable	combinable

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
```

```
(config-leaf-vrf-template-route-profile)# scope combinable
```

scope global

Description: Set scope

Syntax:

global	Route-map will be available for use on all nodes in this tenant and vrf

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# scope global
```

scope combinable

Description: Set route-profile scope

Syntax:

combinable	combinable

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# scope combinable
```

scope global

Description: Set scope

Syntax:

global	Route-map will be available for use on all nodes in this tenant and vrf

Command Mode: route-map : Create route-map or enter route-map command mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
```

```
(config-leaf-vrf-route-map)# scope global
```

scvmm

scvmm <arg> cloud <WORD> [name <name>]

Description: Configure an SCVMM in the Microsoft domain

Syntax:

arg	
cloud	Cloud name
WORD	Cloud Name (Max Size 512)
name	(Optional) SCVMM Controller Name

Command Mode: microsoft-domain : Create a VMM Microsoft Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# microsoft-domain <WORD> [delimiter <WORD>]
(config-microsoft)# scvmm <> cloud <WORD> [name <name>]
```

sdwan-sla

sdwan-sla <WORD>

Description: Associate a Contract Subject to a SDWan SLA policy

Syntax:

WORD	SDWan SLA Policy Name

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# sdwan-sla <WORD>
```

sdwan-vpn

sdwan-vpn <WORD>

Description: Associate a Context to a SDWan VPN

Syntax:

WORD	SDWan VPN Name

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# sdwan-vpn <WORD>
```

second-file

second-file <FILENAME>

Description: Second snapshot file name

Syntax:

FILENAME	Second snapshot file name

Command Mode: snapshot rollback : Configuration rollback setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot rollback <WORD>
(config-rollback)# second-file <FILENAME>
```

security-domain

security-domain <WORD>

Description: Add security domain

Syntax:

WORD	Security-domain name

Command Mode: vlan-domain : Configure vlan domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vlan-domain <name> [dynamic] [type <domain-type>]
(config-vlan)# security-domain <WORD>
```

security-domain <WORD>

Description: Add a security domain to this VMware domain

Syntax:

WORD	Security domain name (Max Size 64)

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# security-domain <WORD>
```

security-mode

security-mode <arg>

Description: Configure whether all traffic or only encrypted traffic can flow through

Syntax:

arg	

Command Mode: template macsec access|fabric security-policy : Configure MAC security policy parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric security-policy <WORD>
(config-macsec-param)# security-mode <>
```

security-policy

security-policy <WORD>

Description: Configuration for security policy

Syntax:

WORD	security policy name (Max Size 64)

Command Mode: first-hop-security : Configuration for first hop security

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
```

security

security domain <WORD>

Description: Add a security domain to the tenant

Syntax:

domain	Domain
WORD	Security domain name (Max Size None)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# security domain <WORD>
```

security allow-promiscuous

security allow-promiscuous <WORD>

Description: Enable/Disable promiscuous mode

Syntax:

WORD	Enable/Disable promiscuous mode

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# security allow-promiscuous <WORD>
```

security forged-transmits

security forged-transmits <WORD>

Description: Accept/Reject Forced Transmits

Syntax:

WORD	Accept/Reject Forged Transmits

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# security forged-transmits <WORD>
```

security mac-changes

security mac-changes <WORD>

Description: Accept/Reject Mac Changes

Syntax:

WORD	Accept/Reject Mac Changes

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# security mac-changes <WORD>
```

send-community

send-community [extended]

Description: Send Community attribute to this neighbor

Syntax:

extended	(Optional) Send Extended Community attribute

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# send-community [extended]
```

send-community [extended]

Description: Send Community attribute to this neighbor

Syntax:

extended	(Optional) Send Extended Community attribute

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# send-community [extended]
```

server-group

server-group <WORD>

Description: server group configuration mode

Syntax:

WORD	Logging server-group name (Max Size 64)

Command Mode: tacacslog-monitoring : TacacsLog common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacslog-monitoring common tacacslog-src <WORD>
(config-tacacslog-monitoring)# server-group <WORD>
```

server-mode

server-mode

Description: Server Mode for NTP Server

Command Mode: ntp : Configure the default ntp policy

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# ntp
(config-ntp)# server-mode
```

server-mode

Description: Server Mode for NTP Server

Command Mode: template ntp-fabric : Network Time Protocol (NTP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template ntp-fabric <WORD>
(config-template-ntp-fabric)# server-mode
```

server-monitoring

server-monitoring <server-monitoring>

Description: Enable or disable the server monitoring using test user

Syntax:

<server-monitoring>	<server-monitoring>

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# server-monitoring <server-monitoring>
```

server-monitoring <server-monitoring>

Description: Enable or disable the server monitoring using test user

Syntax:

<server-monitoring>	<server-monitoring>

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# server-monitoring <server-monitoring>
```

server-monitoring <server-monitoring>

Description: Enable or disable the server monitoring using test user

Syntax:

<server-monitoring>	<server-monitoring>

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# server-monitoring <server-monitoring>
```

server-monitoring <server-monitoring>

Description: Enable or disable the server monitoring using test user

Syntax:

<server-monitoring>	<server-monitoring>

Command Mode: tacacs-server host : TACACS+ server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# server-monitoring <server-monitoring>
```

server

server <A.B.C.D|A:B::C:D|WORD> priority <NUMBER>

Description: Add LDAP server to LDAP group

Syntax:

A.B.C.D/A:B::C:D/WORD	LDAP server name or IP address
priority	priority of server within group
<0-16>	Priority of server within group. Number range from=0 to=16

Command Mode: aaa group server ldap : LDAP server group name.

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa group server ldap <WORD>
(config-ldap)# server <A.B.C.D|A:B::C:D|WORD> priority <NUMBER>
```

server <A.B.C.D|A:B::C:D|WORD> priority <NUMBER>

Description: Add RADIUS server to RADIUS group

Syntax:

A.B.C.D/A:B::C:D/WORD	RADIUS server name or IP address
priority	priority of server within group
<0-16>	Priority of server within group. Number range from=0 to=16

Command Mode: aaa group server radius : RADIUS server group name.

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa group server radius <WORD>
(config-radius)# server <A.B.C.D|A:B::C:D|WORD> priority <NUMBER>
```

server <A.B.C.D|A:B::C:D|WORD> priority <NUMBER>

Description: Add RSA server to RSA group

Syntax:

A.B.C.D/A:B::C:D/WORD	RSA server name or IP address
priority	priority of server within group
<0-16>	Priority of server within group. Number range from=0 to=16

Command Mode: aaa group server rsa : RSA server group name.

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa group server rsa <WORD>
(config-rsa)# server <A.B.C.D|A:B::C:D|WORD> priority <NUMBER>
```

server <A.B.C.D|A:B::C:D|WORD> priority <NUMBER>

Description: Add TACACS PLUS server to TACACS PLUS group

Syntax:

A.B.C.D/A:B::C:D/WORD	TACACS PLUS server name or IP address
priority	priority of server within group
<0-16>	Priority of server within group. Number range from=0 to=16

Command Mode: aaa group server tacacsplus : TACACS+ server group name.

Command Path:

```
# configure [['terminal', 't']]
(config)# aaa group server tacacsplus <WORD>
(config-tacacsplus)# server <A.B.C.D|A:B::C:D|WORD> priority <NUMBER>
```

server <WORD> [prefer] [key <arg>] [use-epg <arg>] [use-vrf <arg>]

Description: Configure ntp servers for the active ntp policy

Syntax:

WORD	Server name/IP for the active ntp policy (Max Size 64)
prefer	(Optional) Preferred server for the active ntp policy
arg	(Optional) Reference key id for authentication. Number range from=1 to=65535
arg	(Optional) Configure management EPG
arg	(Optional) Configure management vrf

Command Mode: ntp : Configure the default ntp policy

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# ntp
(config-ntp)# server <WORD> [prefer] [key <>] [use-epg <>] [use-vrf <>]
```

server <WORD> [prefer] [key <arg>] [use-epg <arg>] [use-vrf <arg>]

Description: Configure ntp servers for the active ntp policy

Syntax:

WORD	Server name/IP for the active ntp policy (Max Size 64)
prefer	(Optional) Preferred server for the active ntp policy
arg	(Optional) Reference key id for authentication. Number range from=1 to=65535
arg	(Optional) Configure management EPG
arg	(Optional) Configure management vrf

Command Mode: template ntp-fabric : Network Time Protocol (NTP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template ntp-fabric <WORD>
(config-template-ntp-fabric)# server <WORD> [prefer] [key <>] [use-epg <>] [use-vrf <>]
```

server <host/ipaddr> [facility <facility>] [severity <severity>] [mgmtepg <mgmtepg>] [port <port>] [format <format>]

Description: Add a destination server

Syntax:

<host/ipaddr>	The hostname or ipaddress
facility	(Optional) The forwarding facility level for logs generated
severity	(Optional) The severity level for logs generated
mgmtepg	(Optional) MgmtEndpoint
port	(Optional) Service port of the remote destination. Number range from=1 to=65535
format	(Optional) The format for the syslog messages

Command Mode: logging : Logging server group configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# logging server-group <WORD>
(config-logging)# server <host/ipaddr> [facility <facility>] [severity <severity>] [mgmtepg
 <mgmtepg>] [port <port>] [format <format>]
```

service-function-profile

service-function-profile <funcprof>

Description: Add Function Profile

Syntax:

funcprof	funcprof

Command Mode: function-profile : Configure function profile container

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# function-profile <WORD>
(config-function-profile)# service-function-profile <funcprof>
```

service-policy

service-policy type data-plane|control-plane-if <arg> <WORD>

Description: QOS service policy

Syntax:

type	Type of the Qos Policy
data-plane	QOS policy for Data Plane Policing
control-plane-if	QOS policy for Control Plane Policing
arg	
WORD	Qos Policy Name (Max Size 64)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# service-policy type data-plane|control-plane-if <> <WORD>
```

service-policy <WORD>

Description: Specify the QOS service policy

Syntax:

WORD	Service policy to apply (Max Size 64)

Command Mode: external-l2 : L2 external EPG creation/configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l2 epg <WORD>
(config-tenant-l2ext-epg)# service-policy <WORD>
```

service-policy type data-plane input|output <WORD>

Description: QOS service policy

Syntax:

type	Type of the Qos Policy
data-plane	QOS policy for Data Plane Policing

input	Ingress Direction
output	Egress Direction
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# service-policy type data-plane input|output <WORD>
```

service-policy type control-plane-if

service-policy type control-plane-if <arg> <WORD>

Description: QOS policy for Control Plane Policing

Syntax:

arg	
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# service-policy type control-plane-if <> <WORD>
```

service-policy type control-plane-if <arg> <WORD>

Description: QOS policy for Control Plane Policing

Syntax:

arg	
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# service-policy type control-plane-if <> <WORD>
```

service-policy type control-plane-if <arg> <WORD>

Description: QOS policy for Control Plane Policing

Syntax:

arg	
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# service-policy type control-plane-if <> <WORD>
```

service-policy type control-plane-if <arg> <WORD>

Description: QOS policy for Control Plane Policing

Syntax:

arg	
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# service-policy type control-plane-if <> <WORD>
```

service-policy type data-plane

service-policy type data-plane <WORD>

Description: Data plane Policy

Syntax:

WORD	Data plane Service Policy (Max Size 64)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# service-policy type data-plane <WORD>
```

service-policy type data-plane input|output <WORD>

Description: QOS policy for Data Plane Policing

Syntax:

input	Ingress Direction
output	Egress Direction
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# service-policy type data-plane input|output <WORD>
```

service-policy type data-plane <arg> <WORD>

Description: QOS policy for Data Plane Policing

Syntax:

arg	
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# service-policy type data-plane <> <WORD>
```

service-policy type data-plane <arg> <WORD>

Description: QOS policy for Data Plane Policing

Syntax:

arg	
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# service-policy type data-plane <> <WORD>
```

service-policy type data-plane input|output <WORD>

Description: QOS policy for Data Plane Policing

Syntax:

input	Ingress Direction
output	Egress Direction
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# service-policy type data-plane input|output <WORD>
```

service-policy type data-plane <arg> <WORD>

Description: QOS policy for Data Plane Policing

Syntax:

arg	
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# service-policy type data-plane <> <WORD>
```

service-policy type data-plane <arg> <WORD>

Description: QOS policy for Data Plane Policing

Syntax:

arg	
WORD	Qos Policy Name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# service-policy type data-plane <> <WORD>
```

service-policy type qos

service-policy type qos <WORD>

Description: Qos Policy

Syntax:

WORD	Qos Service Policy (Max Size 64)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# service-policy type qos <WORD>
```

service-policy type qos <WORD>

Description: QOS service policy

Syntax:

WORD	Custom Qos Policy for L3Out (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# service-policy type qos <WORD>
```

service-policy type qos <WORD>

Description: QOS service policy

Syntax:

WORD	Custom Qos Policy for L3Out (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# service-policy type qos <WORD>
```

service-policy type qos <WORD>

Description: QOS service policy

Syntax:

WORD	Custom Qos Policy for L3Out (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# service-policy type qos <WORD>
```

service-policy type qos <WORD>

Description: QOS service policy

Syntax:

WORD	Custom Qos Policy for L3Out (Max Size 64)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# service-policy type qos <WORD>
```

service-policy type qos <WORD>

Description: QOS service policy

Syntax:

WORD	Custom Qos Policy for L3Out (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# service-policy type qos <WORD>
```

service-policy type qos <WORD>

Description: QOS service policy

Syntax:

WORD	Custom Qos Policy for L3Out (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# service-policy type qos <WORD>
```

service

service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode <Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]

Description: Configure L4-L7 Service

Syntax:

WORD	Service node name (Max Size 64)
WORD	(Optional) Tenant name (Max Size 63)
WORD	(Optional) Device cluster name (Max Size 64)
Available Modes	(Optional) Configure service node mode
Service Redirection	(Optional) Configure service redirection
Service Type	(Optional) Configure service node type

Command Mode: l4l7 graph : Configure L4-L7 Service Graph

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode
 <Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]
```

session-record-flags

session-record-flags <sessionRecordFlags>

Description: Enable/Disable refresh in the session records, Comma separated values

Syntax:

<sessionRecordFlags>	Session record flags as comma separated values like val1,val2,..valN

Command Mode: crypto webtoken : The cryptographic data used for generating and verifying web tokens.

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto webtoken
(config-webtoken)# session-record-flags <sessionRecordFlags>
```

set

set <propType> <propVal>

Description: Customize leaf aggregate policy values for Control Plane Policing

Syntax:

propType	propType
propVal	propVal. Number range from=0 to=9223372036854775807

Command Mode: policy-map type control-plane-leaf : Create leaf aggregate ControlPlane policy to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-leaf <WORD>
(config-pmap-copp-leaf)# set <propType> <propVal>
```

set <propType> <propVal>

Description: Customize spine aggregate policy values for Control Plane Policing

Syntax:

propType	propType
propVal	propVal. Number range from=0 to=9223372036854775807

Command Mode: policy-map type control-plane-spine : Create spine aggregate ControlPlane policy to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-spine <WORD>
(config-pmap-copp-spine)# set <propType> <propVal>
```

set qos-class <WORD>

Description: QOS level for the epg

Syntax:

qos-class	QOS level for the epg
WORD	Qos Level

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# set qos-class <WORD>
```

set qos-class <WORD>

Description: QOS level for the application

Syntax:

qos-class	QOS level for the application
WORD	Qos Level

Command Mode: application : application configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# set qos-class <WORD>
```

set qos-class <WORD>

Description: QOS level for the tunnel

Syntax:

qos-class	QOS level for the tunnel
WORD	Qos Level

Command Mode: dot1q-tunnel : Tunnel configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dot1q-tunnel <WORD>
(config-tenant-tunnel)#set qos-class <WORD>
```

set qos-class <contractQosLevel>

Description: Specify the QOS level for the epg

Syntax:

qos-class	class of QOS to specify
<contractQosLevel>	{unspecified|level1|level2|level3}

Command Mode: inband-mgmt : Enter Inside In-band management mode to modify inband properties or create new inband

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inband-mgmt epg <WORD>
(config-inb-epg)# set qos-class <contractQosLevel>
```

set qos-class <WORD>

Description: QOS level for the epg

Syntax:

qos-class	QOS level for the epg
WORD	Qos Level

Command Mode: external-l2 : L2 external EPG creation/configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l2 epg <WORD>
(config-tenant-l2ext-epg)# set qos-class <WORD>
```

set qos-class <WORD>

Description: QOS level for the epg

Syntax:

qos-class	class of QOS to specify
WORD	Qos Level

Command Mode: oob-mgmt : Creates/Modify the out of band mgmt under the tenant mgmt

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# oob-mgmt epg <epgval>
(config-oob-epg)# set qos-class <WORD>
```

set qos-class unspecified|level1|level2|level3|level4|level5|level6

Description: QOS level for interface

Syntax:

qos-class	QOS level for interface

unspecified	Set qos level - unspecified
level1	Set qos level - level1
level2	Set qos level - level2
level3	Set qos level - level3
level4	Set qos level - level4
level5	Set qos level - level5
level6	Set qos level - level6

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# set qos-class unspecified|level1|level2|level3|level4|level5|level6
```

set qos-class unspecified|level1|level2|level3|level4|level5|level6

Description: QOS level for interface

Syntax:

qos-class	QOS level for interface
unspecified	Set qos level - unspecified
level1	Set qos level - level1
level2	Set qos level - level2
level3	Set qos level - level3
level4	Set qos level - level4
level5	Set qos level - level5
level6	Set qos level - level6

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# set qos-class unspecified|level1|level2|level3|level4|level5|level6
```

set qos-class unspecified|level1|level2|level3|level4|level5|level6

Description: QOS level for interface

Syntax:

qos-class	QOS level for interface
unspecified	Set qos level - unspecified
level1	Set qos level - level1
level2	Set qos level - level2
level3	Set qos level - level3
level4	Set qos level - level4
level5	Set qos level - level5
level6	Set qos level - level6

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# set qos-class unspecified|level1|level2|level3|level4|level5|level6
```

set qos-class unspecified|level1|level2|level3|level4|level5|level6

Description: QOS level for interface

Syntax:

qos-class	QOS level for interface
unspecified	Set qos level - unspecified
level1	Set qos level - level1
level2	Set qos level - level2
level3	Set qos level - level3
level4	Set qos level - level4
level5	Set qos level - level5
level6	Set qos level - level6

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# set qos-class
unspecified|level1|level2|level3|level4|level5|level6
```

set qos-class unspecified|level1|level2|level3|level4|level5|level6

Description: QOS level for interface

Syntax:

qos-class	QOS level for interface
unspecified	Set qos level - unspecified
level1	Set qos level - level1
level2	Set qos level - level2
level3	Set qos level - level3
level4	Set qos level - level4
level5	Set qos level - level5
level6	Set qos level - level6

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# set qos-class unspecified|level1|level2|level3|level4|level5|level6
```

set qos-class unspecified|level1|level2|level3|level4|level5|level6

Description: QOS level for interface

Syntax:

qos-class	QOS level for interface
unspecified	Set qos level - unspecified
level1	Set qos level - level1
level2	Set qos level - level2
level3	Set qos level - level3
level4	Set qos level - level4

| level5 | Set qos level - level5 |
| level6 | Set qos level - level6 |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# set qos-class unspecified|level1|level2|level3|level4|level5|level6
```

set qos-class unspecified|level1|level2|level3|level4|level5|level6

Description: QOS level for interface

Syntax:

qos-class	QOS level for interface
unspecified	Set qos level - unspecified
level1	Set qos level - level1
level2	Set qos level - level2
level3	Set qos level - level3
level4	Set qos level - level4
level5	Set qos level - level5
level6	Set qos level - level6

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# set qos-class unspecified|level1|level2|level3|level4|level5|level6
```

set qos-class unspecified|level1|level2|level3|level4|level5|level6

Description: QOS level for interface

Syntax:

qos-class	QOS level for interface
unspecified	Set qos level - unspecified
level1	Set qos level - level1

level2	Set qos level - level2
level3	Set qos level - level3
level4	Set qos level - level4
level5	Set qos level - level5
level6	Set qos level - level6

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# set qos-class
unspecified|level1|level2|level3|level4|level5|level6
```

set addcommunity

set addcommunity regular|extended <value>

Description: Set BGP additional-community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set addcommunity regular|extended <value>
```

set addcommunity regular|extended <value>

Description: Set BGP additional-community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set addcommunity regular|extended <value>
```

set addcommunity regular|extended <value>

Description: Set BGP additional-community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set addcommunity regular|extended <value>
```

set addcommunity regular|extended <value>

Description: Set BGP additional-community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set addcommunity regular|extended <value>
```

set addcommunity regular|extended <value>

Description: Set BGP additional-community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set addcommunity regular|extended <value>
```

set addcommunity regular|extended <value>

Description: Set BGP additional-community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set addcommunity regular|extended <value>
```

set addcommunity regular|extended <value>

Description: Set BGP additional-community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set addcommunity regular|extended <value>
```

set addcommunity regular|extended <value>

Description: Set BGP additional-community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set addcommunity regular|extended <value>
```

set addcommunity regular|extended <value>

Description: Set BGP additional-community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set addcommunity regular|extended <value>
```

set addcommunity regular|extended <value>

Description: Set BGP additional-community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set addcommunity regular|extended <value>
```

set as-path prepend-last-as

set as-path prepend-last-as <NUMBER>

Description: Prepend last AS to the as-path

Syntax:

<1-10>	Number of last-AS prepends. Number range from=1 to=10

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set as-path prepend-last-as <NUMBER>
```

set as-path prepend-last-as <NUMBER>

Description: Prepend last AS to the as-path

Syntax:

<1-10>	Number of last-AS prepends. Number range from=1 to=10

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set as-path prepend-last-as <NUMBER>
```

set as-path prepend-last-as <NUMBER>

Description: Prepend last AS to the as-path

Syntax:

<1-10>	Number of last-AS prepends. Number range from=1 to=10

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set as-path prepend-last-as <NUMBER>
```

set as-path prepend-last-as <NUMBER>

Description: Prepend last AS to the as-path

Syntax:

<1-10>	Number of last-AS prepends. Number range from=1 to=10

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set as-path prepend-last-as <NUMBER>
```

set as-path prepend-last-as <NUMBER>

Description: Prepend last AS to the as-path

Syntax:

<1-10>	Number of last-AS prepends. Number range from=1 to=10

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set as-path prepend-last-as <NUMBER>
```

set as-path prepend-last-as <NUMBER>

Description: Prepend last AS to the as-path

Syntax:

<1-10>	Number of last-AS prepends. Number range from=1 to=10

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set as-path prepend-last-as <NUMBER>
```

set as-path prepend-last-as <NUMBER>

Description: Prepend last AS to the as-path

Syntax:

<1-10>	Number of last-AS prepends. Number range from=1 to=10

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set as-path prepend-last-as <NUMBER>
```

set as-path prepend-last-as <NUMBER>

Description: Prepend last AS to the as-path

Syntax:

<1-10>	Number of last-AS prepends. Number range from=1 to=10

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set as-path prepend-last-as <NUMBER>
```

set as-path prepend-last-as <NUMBER>

Description: Prepend last AS to the as-path

Syntax:

<1-10>	Number of last-AS prepends. Number range from=1 to=10

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set as-path prepend-last-as <NUMBER>
```

set as-path prepend-last-as <NUMBER>

Description: Prepend last AS to the as-path

Syntax:

<1-10>	Number of last-AS prepends. Number range from=1 to=10

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set as-path prepend-last-as <NUMBER>
```

set as-path prepend

set as-path prepend <1-4294967295>

Description: Prepend to the AS-Path

Syntax:

<1-4294967295>	Prepend to the AS-Path

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set as-path prepend <1-4294967295>
```

set as-path prepend <1-4294967295>

Description: Prepend to the AS-Path

Syntax:

<1-4294967295>	Prepend to the AS-Path

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set as-path prepend <1-4294967295>
```

set as-path prepend <1-4294967295>

Description: Prepend to the AS-Path

Syntax:

<1-4294967295>	Prepend to the AS-Path

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set as-path prepend <1-4294967295>
```

set as-path prepend <1-4294967295>

Description: Prepend to the AS-Path

Syntax:

<1-4294967295>	Prepend to the AS-Path

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set as-path prepend <1-4294967295>
```

set as-path prepend <1-4294967295>

Description: Prepend to the AS-Path

Syntax:

<1-4294967295>	Prepend to the AS-Path

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set as-path prepend <1-4294967295>
```

set as-path prepend <1-4294967295>

Description: Prepend to the AS-Path

Syntax:

<1-4294967295>	Prepend to the AS-Path

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set as-path prepend <1-4294967295>
```

set as-path prepend <1-4294967295>

Description: Prepend to the AS-Path

Syntax:

<1-4294967295>	Prepend to the AS-Path

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set as-path prepend <1-4294967295>
```

set as-path prepend <1-4294967295>

Description: Prepend to the AS-Path

Syntax:

<1-4294967295>	Prepend to the AS-Path

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set as-path prepend <1-4294967295>
```

set as-path prepend <1-4294967295>

Description: Prepend to the AS-Path

Syntax:

<1-4294967295>	Prepend to the AS-Path

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set as-path prepend <1-4294967295>
```

set as-path prepend <1-4294967295>

Description: Prepend to the AS-Path

Syntax:

<1-4294967295>	Prepend to the AS-Path

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set as-path prepend <1-4294967295>
```

set burst

set burst <0-549755813760> UNIT

Description: Burst Rate

Syntax:

<0-549755813760>	Burst Rate
UNIT	Burst Rate Unit

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set burst <0-549755813760> UNIT
```

set burst <0-549755813760> UNIT

Description: Burst Rate

Syntax:

<0-549755813760>	Burst Rate
UNIT	Burst Rate Unit

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set burst <0-549755813760> UNIT
```

set cir

set cir <0-4398046510080> UNIT

Description: Committed Rate

Syntax:

<0-4398046510080>	Committed Rate
UNIT	Committed Rate Unit

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set cir <0-4398046510080> UNIT
```

set cir <0-4398046510080> UNIT

Description: Committed Rate

Syntax:

<0-4398046510080>	Committed Rate
UNIT	Committed Rate Unit

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set cir <0-4398046510080> UNIT
```

set community

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format
additive	Add to existing community
replace	Replace existing community
none	Do not change community

Command Mode: route-profile : Configure route-profile

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# route-profile <WORD>
(config-tenant-vrf-route-profile)# set community regular|extended <value>
additive|replace|none
```

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format
additive	Add to existing community
replace	Replace existing community
none	Do not change community

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set community regular|extended <value>
additive|replace|none
```

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format
additive	Add to existing community
replace	Replace existing community
none	Do not change community

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set community regular|extended <value>
additive|replace|none
```

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format
additive	Add to existing community
replace	Replace existing community
none	Do not change community

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set community regular|extended <value>
additive|replace|none
```

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format
additive	Add to existing community
replace	Replace existing community
none	Do not change community

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set community regular|extended <value>
additive|replace|none
```

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format
additive	Add to existing community
replace	Replace existing community

none	Do not change community

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set community regular|extended <value>
additive|replace|none
```

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format
additive	Add to existing community
replace	Replace existing community
none	Do not change community

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set community regular|extended <value>
additive|replace|none
```

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format
additive	Add to existing community

replace	Replace existing community
none	Do not change community

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set community regular|extended <value>
additive|replace|none
```

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format
additive	Add to existing community
replace	Replace existing community
none	Do not change community

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set community regular|extended <value>
additive|replace|none
```

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community

value	Community value in aa:nn format
additive	Add to existing community
replace	Replace existing community
none	Do not change community

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set community regular|extended <value>
additive|replace|none
```

set community regular|extended <value> additive|replace|none

Description: Set BGP community attribute

Syntax:

regular	BGP regular community
extended	BGP extended community
value	Community value in aa:nn format
additive	Add to existing community
replace	Replace existing community
none	Do not change community

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set community regular|extended <value>
additive|replace|none
```

set conform-cos-transmit

set conform-cos-transmit <0-6>

Description: Conform Policer Mark Cos

Syntax:

<0-6>	Conform Policer Mark Cos

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set conform-cos-transmit <0-6>
```

set conform-cos-transmit <0-6>

Description: Conform Policer Mark Cos

Syntax:

<0-6>	Conform Policer Mark Cos

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set conform-cos-transmit <0-6>
```

set conform-dscp-transmit

set conform-dscp-transmit <0-63>

Description: Conform Policer Mark DSCP

Syntax:

<0-63>	Conform Policer Mark DSCP

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set conform-dscp-transmit <0-63>
```

set conform-dscp-transmit <0-63>

Description: Conform Policer Mark DSCP

Syntax:

<0-63>	Conform Policer Mark DSCP

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set conform-dscp-transmit <0-63>
```

set conform

set conform <WORD>

Description: Conform Policer Action

Syntax:

WORD	Conform Policer Action

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set conform <WORD>
```

set conform <WORD>

Description: Conform Policer Action

Syntax:

WORD	Conform Policer Action

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set conform <WORD>
```

set dampening

set dampening \<NUMBER\> \<NUMBER\> \<NUMBER\> \<NUMBER\>

Description: Route Flap dampening

Syntax:

\<1-60\>	Decay half life. Number range from=1 to=60
\<1-20000\>	Value to start reusing a route. Number range from=1 to=20000
\<1-20000\>	Value to start suppressing a route. Number range from=1 to=20000
\<1-255\>	Maximum suppress time for stable route. Number range from=1 to=255

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>
```

set dampening \<NUMBER\> \<NUMBER\> \<NUMBER\> \<NUMBER\>

Description: Route Flap dampening

Syntax:

\<1-60\>	Decay half life. Number range from=1 to=60
\<1-20000\>	Value to start reusing a route. Number range from=1 to=20000
\<1-20000\>	Value to start suppressing a route. Number range from=1 to=20000
\<1-255\>	Maximum suppress time for stable route. Number range from=1 to=255

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>
```

set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>

Description: Route Flap dampening

Syntax:

<1-60>	Decay half life. Number range from=1 to=60
<1-20000>	Value to start reusing a route. Number range from=1 to=20000
<1-20000>	Value to start suppressing a route. Number range from=1 to=20000
<1-255>	Maximum suppress time for stable route. Number range from=1 to=255

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>
```

set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>

Description: Route Flap dampening

Syntax:

<1-60>	Decay half life. Number range from=1 to=60
<1-20000>	Value to start reusing a route. Number range from=1 to=20000
<1-20000>	Value to start suppressing a route. Number range from=1 to=20000
<1-255>	Maximum suppress time for stable route. Number range from=1 to=255

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>
```

set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>

Description: Route Flap dampening

Syntax:

<1-60>	Decay half life. Number range from=1 to=60

<1-20000>	Value to start reusing a route. Number range from=1 to=20000
<1-20000>	Value to start suppressing a route. Number range from=1 to=20000
<1-255>	Maximum suppress time for stable route. Number range from=1 to=255

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>
```

set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>

Description: Route Flap dampening

Syntax:

<1-60>	Decay half life. Number range from=1 to=60
<1-20000>	Value to start reusing a route. Number range from=1 to=20000
<1-20000>	Value to start suppressing a route. Number range from=1 to=20000
<1-255>	Maximum suppress time for stable route. Number range from=1 to=255

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>
```

set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>

Description: Route Flap dampening

Syntax:

<1-60>	Decay half life. Number range from=1 to=60
<1-20000>	Value to start reusing a route. Number range from=1 to=20000
<1-20000>	Value to start suppressing a route. Number range from=1 to=20000
<1-255>	Maximum suppress time for stable route. Number range from=1 to=255

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>
```

set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>

Description: Route Flap dampening

Syntax:

<1-60>	Decay half life. Number range from=1 to=60
<1-20000>	Value to start reusing a route. Number range from=1 to=20000
<1-20000>	Value to start suppressing a route. Number range from=1 to=20000
<1-255>	Maximum suppress time for stable route. Number range from=1 to=255

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>
```

set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>

Description: Route Flap dampening

Syntax:

<1-60>	Decay half life. Number range from=1 to=60
<1-20000>	Value to start reusing a route. Number range from=1 to=20000
<1-20000>	Value to start suppressing a route. Number range from=1 to=20000
<1-255>	Maximum suppress time for stable route. Number range from=1 to=255

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>
```

set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>

Description: Route Flap dampening

Syntax:

<1-60>	Decay half life. Number range from=1 to=60
<1-20000>	Value to start reusing a route. Number range from=1 to=20000
<1-20000>	Value to start suppressing a route. Number range from=1 to=20000
<1-255>	Maximum suppress time for stable route. Number range from=1 to=255

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set dampening <NUMBER> <NUMBER> <NUMBER> <NUMBER>
```

set dscp-code

set dscp-code <dscp-prop> <dscp-val>

Description: Set DSCP Class translation values

Syntax:

dscp-prop	DSCP Class Name
dscp-val	Dscp val

Command Mode: qos : Set DSCP Class translation values

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# qos dscp-map <WORD>
(config-qos-cmap)# set dscp-code <dscp-prop> <dscp-val>
```

set dscp

set dscp <WORD>

Description: Specify the DSCP level for the EPG

Syntax:

WORD	DSCP value

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# set dscp <WORD>
```

set exceed-cos-transmit

set exceed-cos-transmit <0-6>

Description: Exceed Policer Mark Cos

Syntax:

<0-6>	Exceed Policer Mark Cos

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set exceed-cos-transmit <0-6>
```

set exceed-cos-transmit <0-6>

Description: Exceed Policer Mark Cos

Syntax:

<0-6>	Exceed Policer Mark Cos

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set exceed-cos-transmit <0-6>
```

set exceed-dscp-transmit

set exceed-dscp-transmit <0-63>

Description: Exceed Policer Mark DSCP

Syntax:

<0-63>	Exceed Policer Mark DSCP

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set exceed-dscp-transmit <0-63>
```

set exceed-dscp-transmit <0-63>

Description: Exceed Policer Mark DSCP

Syntax:

<0-63>	Exceed Policer Mark DSCP

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set exceed-dscp-transmit <0-63>
```

set exceed

set exceed <WORD>

Description: Exceed Policer Action

Syntax:

WORD	Exceed Policer Action

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set exceed <WORD>
```

set exceed <WORD>

Description: Exceed Policer Action

Syntax:

WORD	Exceed Policer Action

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set exceed <WORD>
```

set excessive-burst

set excessive-burst <0-549755813760> UNIT

Description: Excessive Burst Rate

Syntax:

<0-549755813760>	Excessive Burst Rate
UNIT	Excessive Burst Rate Unit

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set excessive-burst <0-549755813760> UNIT
```

set excessive-burst <0-549755813760> UNIT

Description: Excessive Burst Rate

Syntax:

<0-549755813760>	Excessive Burst Rate
UNIT	Excessive Burst Rate Unit

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set excessive-burst <0-549755813760> UNIT
```

set local-preference

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: route-profile : Configure route-profile

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# route-profile <WORD>
(config-tenant-vrf-route-profile)# set local-preference <0-4294967295>
```

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set local-preference <0-4294967295>
```

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set local-preference <0-4294967295>
```

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set local-preference <0-4294967295>
```

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set local-preference <0-4294967295>
```

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set local-preference <0-4294967295>
```

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set local-preference <0-4294967295>
```

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set local-preference <0-4294967295>
```

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set local-preference <0-4294967295>
```

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set local-preference <0-4294967295>
```

set local-preference <0-4294967295>

Description: BGP local preference path attribute

Syntax:

<0-4294967295>	Preference value

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set local-preference <0-4294967295>
```

set mac-auth

set mac-auth <WORD>

Description: Set MAC Auth

Syntax:

WORD	MAC Auth Mode

Command Mode: switchport port-authentication : Port authentication configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
(config-port-authentication)# set mac-auth <WORD>
```

set max-reauth-request

set max-reauth-request <1-10>

Description: Set max reauth request

Syntax:

<1-10>	Max reauth request

Command Mode: switchport port-authentication : Port authentication configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
(config-port-authentication)# set max-reauth-request <1-10>
```

set max-request

set max-request <2-10>

Description: Set max request

Syntax:

<2-10>	Max request

Command Mode: switchport port-authentication : Port authentication configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
(config-port-authentication)# set max-request <2-10>
```

set metric-type

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: route-profile : Configure route-profile

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# route-profile <WORD>
(config-tenant-vrf-route-profile)# set metric-type <metric-type>
```

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set metric-type <metric-type>
```

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set metric-type <metric-type>
```

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set metric-type <metric-type>
```

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set metric-type <metric-type>
```

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set metric-type <metric-type>
```

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set metric-type <metric-type>
```

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set metric-type <metric-type>
```

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set metric-type <metric-type>
```

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set metric-type <metric-type>
```

set metric-type <metric-type>

Description: Type of metric for destination routing protocol

Syntax:

<metric-type>	<metric-type>

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set metric-type <metric-type>
```

set metric

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: route-profile : Configure route-profile

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# route-profile <WORD>
(config-tenant-vrf-route-profile)# set metric <NUMBER>
```

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set metric <NUMBER>
```

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set metric <NUMBER>
```

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set metric <NUMBER>
```

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set metric <NUMBER>
```

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set metric <NUMBER>
```

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set metric <NUMBER>
```

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set metric <NUMBER>
```

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set metric <NUMBER>
```

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set metric <NUMBER>
```

set metric <NUMBER>

Description: Set metric for destination routing protocol

Syntax:

<0-255>	Metric value. Number range from=0 to=255

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set metric <NUMBER>
```

set mode

set mode <WORD>

Description: Policer Mode

Syntax:

WORD	Policer Mode

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set mode <WORD>
```

set mode <WORD>

Description: Policer Mode

Syntax:

WORD	Policer Mode

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set mode <WORD>
```

set next-hop

set next-hop <IPv4 or IPv6 address>

Description: Set next hop for destination routing protocol

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: route-profile : Configure route-profile

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# route-profile <WORD>
(config-tenant-vrf-route-profile)# set next-hop <IPv4 or IPv6 address>
```

set next-hop <IPv4 or IPv6 address>

Description: Set next hop address

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set next-hop <IPv4 or IPv6 address>
```

set next-hop <IPv4 or IPv6 address>

Description: Set next hop address

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set next-hop <IPv4 or IPv6 address>
```

set next-hop <IPv4 or IPv6 address>

Description: Set next hop address

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set next-hop <IPv4 or IPv6 address>
```

set next-hop <IPv4 or IPv6 address>

Description: Set next hop address

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set next-hop <IPv4 or IPv6 address>
```

set next-hop <IPv4 or IPv6 address>

Description: Set next hop address

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set next-hop <IPv4 or IPv6 address>
```

set next-hop <IPv4 or IPv6 address>

Description: Set next hop address

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set next-hop <IPv4 or IPv6 address>
```

set next-hop <IPv4 or IPv6 address>

Description: Set next hop address

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set next-hop <IPv4 or IPv6 address>
```

set next-hop <IPv4 or IPv6 address>

Description: Set next hop address

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set next-hop <IPv4 or IPv6 address>
```

set next-hop <IPv4 or IPv6 address>

Description: Set next hop address

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set next-hop <IPv4 or IPv6 address>
```

set next-hop <IPv4 or IPv6 address>

Description: Set next hop address

Syntax:

IPv4 or IPv6 address	Next hop address

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set next-hop <IPv4 or IPv6 address>
```

set pir

set pir <0-4398046510080> UNIT

Description: Peak Rate

Syntax:

<0-4398046510080>	Peak Rate
UNIT	Pir Unit

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set pir <0-4398046510080> UNIT
```

set pir <0-4398046510080> UNIT

Description: Peak Rate

Syntax:

<0-4398046510080>	Peak Rate
UNIT	Pir Unit

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set pir <0-4398046510080> UNIT
```

set qos-class

set qos-class <WORD>

Description: Class of QOS to specify

Syntax:

WORD	Qos Level

Command Mode: contract : Configure binary contracts between Application EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# set qos-class <WORD>
```

set qos-class <WORD> WORD

Description: Class of QOS to specify

Syntax:

WORD	Qos Level
WORD	Target QOS Direction

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# set qos-class <WORD> WORD
```

set qos-class <WORD>

Description: Specify the QOS level for the EPG

Syntax:

WORD	Qos Level

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
```

```
(config-tenant-l3ext-epg)# set qos-class <WORD>
```

set reauth-period

set reauth-period <30-2147483>

Description: Set reauth period

Syntax:

<30-2147483>	Max reauth request

Command Mode: switchport port-authentication : Port authentication configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
(config-port-authentication)# set reauth-period <30-2147483>
```

set reauth

set reauth

Description: Enable reauth request

Command Mode: switchport port-authentication : Port authentication configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
(config-port-authentication)# set reauth
```

set server-timeout

set server-timeout <2-65535>

Description: Set server timeout

Syntax:

<2-65535>	Max reauth request

Command Mode: switchport port-authentication : Port authentication configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
(config-port-authentication)# set server-timeout <2-65535>
```

set sharing-mode

set sharing-mode <WORD>

Description: Policer Sharing Mode

Syntax:

WORD	Policer Mode

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set sharing-mode <WORD>
```

set sharing-mode <WORD>

Description: Policer Sharing Mode

Syntax:

WORD	Policer Mode

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set sharing-mode <WORD>
```

set supp-timeout

set supp-timeout <2-65535>

Description: Set supplicant timeout

Syntax:

<2-65535>	Max reauth request

Command Mode: switchport port-authentication : Port authentication configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
(config-port-authentication)# set supp-timeout <2-65535>
```

set tag

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: route-profile : Configure route-profile

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# route-profile <WORD>
(config-tenant-vrf-route-profile)# set tag <NUMBER>
```

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set tag <NUMBER>
```

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set tag <NUMBER>
```

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set tag <NUMBER>
```

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set tag <NUMBER>
```

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set tag <NUMBER>
```

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set tag <NUMBER>
```

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set tag <NUMBER>
```

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set tag <NUMBER>
```

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set tag <NUMBER>
```

set tag <NUMBER>

Description: Tag value for destination routing protocol

Syntax:

<0-4294967295>	Tag value. Number range from=0 to=4294967295

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set tag <NUMBER>
```

set target-dscp

set target-dscp <WORD>

Description: class of target dscp to specify

Syntax:

WORD	Target dscp

Command Mode: contract : Configure binary contracts between Application EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# set target-dscp <WORD>
```

set target-dscp <WORD> WORD

Description: class of target dscp to specify

Syntax:

WORD	Target dscp
WORD	Target DSCP Direction

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# set target-dscp <WORD> WORD
```

set tx-period

set tx-period <2-65535>

Description: Set Tx period

Syntax:

<2-65535>	Max reauth request

Command Mode: switchport port-authentication : Port authentication configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
(config-port-authentication)# set tx-period <2-65535>
```

set type

set type <WORD>

Description: Policer type

Syntax:

WORD	Policer Type

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set type <WORD>
```

set type <WORD>

Description: Policer type

Syntax:

WORD	Policer Type

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set type <WORD>
```

set violate-cos-transmit

set violate-cos-transmit <0-6>

Description: Violate Policer Mark Cos

Syntax:

<0-6>	Violate Policer Mark Cos

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set violate-cos-transmit <0-6>
```

set violate-cos-transmit <0-6>

Description: Violate Policer Mark Cos

Syntax:

<0-6>	Violate Policer Mark Cos

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set violate-cos-transmit <0-6>
```

set violate-dscp-transmit

set violate-dscp-transmit <0-63>

Description: Violate Policer Mark DSCP

Syntax:

<0-63>	Violate Policer Mark DSCP

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set violate-dscp-transmit <0-63>
```

set violate-dscp-transmit <0-63>

Description: Violate Policer Mark DSCP

Syntax:

<0-63>	Violate Policer Mark DSCP

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set violate-dscp-transmit <0-63>
```

set violate

set violate <WORD>

Description: Violate Policer Action

Syntax:

WORD	Violate Policer Action

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# set violate <WORD>
```

set violate <WORD>

Description: Violate Policer Action

Syntax:

WORD	Violate Policer Action

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# set violate <WORD>
```

set weight

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: route-profile : Configure route-profile

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# route-profile <WORD>
(config-tenant-vrf-route-profile)# set weight <NUMBER>
```

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set weight <NUMBER>
```

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set weight <NUMBER>
```

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set weight <NUMBER>
```

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set weight <NUMBER>
```

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set weight <NUMBER>
```

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# set weight <NUMBER>
```

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
(config-leaf-vrf-template-route-profile)# set weight <NUMBER>
```

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: match bridge-domain : Match subnets of a bridge-domain

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# set weight <NUMBER>
```

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: match prefix-list : Match entries of a prefix-list

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# set weight <NUMBER>
```

set weight <NUMBER>

Description: Weight value for destination routing protocol

Syntax:

<0-65535>	Weight value. Number range from=0 to=65535

Command Mode: match route group : Route group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# set weight <NUMBER>
```

shellinabox

shellinabox

Description: Configures the communication policy of the SHELLINABOX feature

Command Mode: comm-policy : Configure any communication policy, ssh/telnet/shellinabox/http/https

Usage:

In the APIC GUI, the SHELLINABOX feature allows you to open a pop-up SSH session to a fabric switch by right-clicking the icon of the switch. To enable or disable this feature, use the **shellinabox** command to enter the SHELLINABOX communication policy group, then use the **[no] admin-state-enable** command.

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# shellinabox
```

show aaa authentication

show aaa authentication

Description: Show AAA Authentication information

Command Mode: exec : Exec Mode

Command Path:

```
# show aaa authentication
```

show aaa groups

show aaa groups

Description: Show AAA group information

Command Mode: exec : Exec Mode

Command Path:

```
# show aaa groups
```

show aaa sessions

show aaa sessions

Description: Active User Sessions

Command Mode: exec : Exec Mode

Command Path:

```
# show aaa sessions
```

show access-list

show access-list WORD

Description: Show Access-list Information

Syntax:

WORD	Name of the Contract to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show access-list WORD
```

show accounting log

show accounting log

Description: CLI configuration command logs

Command Mode: exec : Exec Mode

Command Path:

```
# show accounting log
```

NOTE:

This command displays only those changes made using the command line interface (CLI). It does not display changes made using the GUI or the API. To view all changes made in the Management Information Tree, use the **show audit detail** command.

show acllog deny l2 flow

show acllog deny l2 flow

Description: l3 flow information

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l2 flow
```

show acllog deny l2 flow tenant vrf

show acllog deny l2 flow tenant <WORD> vrf [vlan <NUMBER>] [srcIntf <srcintf>] <WORD>

Description: tenant vrf information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
srcintf	(Optional) source Interface
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l2 flow tenant <WORD> vrf [vlan <NUMBER>] [srcIntf <srcintf>] <WORD>
```

show acllog deny l2 flow tenant vrf detail

show acllog deny l2 flow tenant <WORD> vrf [vlan <NUMBER>] [srcIntf <srcintf>] <WORD> detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]

Description: detail information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
srcintf	(Optional) source Interface
WORD	Name of the VRF to filter on (Max Size 64)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l2 flow tenant <WORD> vrf [vlan <NUMBER>] [srcIntf <srcintf>] <WORD>
detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac
 <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE
 EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]
```

show acllog deny l2 pkt

show acllog deny l2 pkt

Description: Pkt command

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l2 pkt
```

show acllog deny l2 pkt tenant vrf

show acllog deny l2 pkt tenant <WORD> vrf <WORD> [start-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [vlan <NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>]

Description: Vrf Name

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the vrf to filter on (Max Size 64)
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
srcintf	(Optional) Source Interface
<1-65535>	(Optional) packet length. Number range from=1 to=65535

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l2 pkt tenant <WORD> vrf <WORD> [start-time time-stamp
<YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [vlan <NUMBER>]
[srcintf <srcintf>] [pktlen <NUMBER>]
```

show acllog deny l2 pkt tenant vrf detail

show acllog deny l2 pkt tenant <WORD> vrf <WORD> [start-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [vlan <NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>] detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]

Description: Detail information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the vrf to filter on (Max Size 64)
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
srcintf	(Optional) Source Interface
<1-65535>	(Optional) packet length. Number range from=1 to=65535
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l2 pkt tenant <WORD> vrf <WORD> [start-time time-stamp
<YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [vlan <NUMBER>]
[srcintf <srcintf>] [pktlen <NUMBER>] detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName
 <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE
 >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]
```

show acllog deny l3 flow

show acllog deny l3 flow

Description: l3 flow information

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l3 flow
```

show acllog deny l3 flow tenant vrf

show acllog deny l3 flow tenant <WORD> vrf [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [protocol <Protocol>] [srcport <SrcPort>] [dstport <DstPort>] [srcintf <srcintf>] <WORD>

Description: tenant vrf information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
Protocol	(Optional) Protocol
SrcPort	(Optional) source port
DstPort	(Optional) destination port
srcintf	(Optional) source interface
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l3 flow tenant <WORD> vrf [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D
 or A:B::C:D>] [protocol <Protocol>] [srcport <SrcPort>] [dstport <DstPort>] [srcintf
<srcintf>] <WORD>
```

show acllog deny l3 flow tenant vrf detail

show acllog deny l3 flow tenant <WORD> vrf [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [protocol <Protocol>] [srcport <SrcPort>] [dstport <DstPort>] [srcintf <srcintf>] <WORD> detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]

Description: detail information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
Protocol	(Optional) Protocol
SrcPort	(Optional) source port
DstPort	(Optional) destination port
srcintf	(Optional) source interface
WORD	Name of the VRF to filter on (Max Size 64)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l3 flow tenant <WORD> vrf [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D
 or A:B::C:D>] [protocol <Protocol>] [srcport <SrcPort>] [dstport <DstPort>] [srcintf
<srcintf>] <WORD> detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName
 <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E
```

```
EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]
```

show acllog deny l3 pkt

show acllog deny l3 pkt

Description: Pkt command

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l3 pkt
```

show acllog deny l3 pkt tenant vrf

show acllog deny l3 pkt tenant <WORD> vrf <WORD> [start-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [protocol <protocol>] [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B:C:D>] [srcport <NUMBER>] [dstport <NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>]

Description: Vrf Name

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the vrf to filter on (Max Size 64)
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
protocol	(Optional) protocol
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
<0-65535>	(Optional) Source port. Number range from=0 to=65535
<0-65535>	(Optional) Destination port. Number range from=0 to=65535
srcintf	(Optional) source Interface
<1-65535>	(Optional) packet length. Number range from=1 to=65535

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l3 pkt tenant <WORD> vrf <WORD> [start-time time-stamp
<YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [protocol <protocol>]
 [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [srcport <NUMBER>] [dstport
<NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>]
```

show acllog deny l3 pkt tenant vrf detail

show acllog deny l3 pkt tenant <WORD> vrf <WORD> [start-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [protocol <protocol>] [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [srcport <NUMBER>] [dstport <NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>] detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]

Description: Detail information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the vrf to filter on (Max Size 64)
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
protocol	(Optional) protocol
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
<0-65535>	(Optional) Source port. Number range from=0 to=65535
<0-65535>	(Optional) Destination port. Number range from=0 to=65535
srcintf	(Optional) source Interface
<1-65535>	(Optional) packet length. Number range from=1 to=65535
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

E.E.E EE-EE-EE-EE-EE-EE *EE:EE:EE:EE:EE:EE* *EEEE.EEEE.EEEE*	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog deny l3 pkt tenant <WORD> vrf <WORD> [start-time time-stamp
<YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [protocol <protocol>]
 [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [srcport <NUMBER>] [dstport
<NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>] detail [srcpctag <WORD>] [dstpctag <WORD>]
 [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE
 EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]
```

show acllog permit l2 flow tenant vrf

show acllog permit l2 flow tenant <WORD> vrf [vlan <NUMBER>] [srcintf <srcintf>] <WORD>

Description: tenant vrf information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
srcintf	(Optional) source interface
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog permit l2 flow tenant <WORD> vrf [vlan <NUMBER>] [srcintf <srcintf>] <WORD>
```

show acllog permit l2 flow tenant vrf detail

show acllog permit l2 flow tenant <WORD> vrf [vlan <NUMBER>] [srcintf <srcintf>] <WORD> detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]

Description: detail information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
srcintf	(Optional) source interface
WORD	Name of the VRF to filter on (Max Size 64)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog permit l2 flow tenant <WORD> vrf [vlan <NUMBER>] [srcintf <srcintf>] <WORD>
detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac
 <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE
 EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]
```

show acllog permit l2 pkt tenant vrf

show acllog permit l2 pkt tenant <WORD> vrf <WORD> [start-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [vlan <NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>]

Description: Vrf Name

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the vrf to filter on (Max Size 64)
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
srcintf	(Optional) source Interface
<1-65535>	(Optional) packet length. Number range from=1 to=65535

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog permit l2 pkt tenant <WORD> vrf <WORD> [start-time time-stamp
<YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [vlan <NUMBER>]
[srcintf <srcintf>] [pktlen <NUMBER>]
```

show acllog permit l2 pkt tenant vrf detail

show acllog permit l2 pkt tenant <WORD> vrf <WORD> [start-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [vlan <NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>] detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]

Description: Detail information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the vrf to filter on (Max Size 64)
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
srcintf	(Optional) source Interface
<1-65535>	(Optional) packet length. Number range from=1 to=65535
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog permit l2 pkt tenant <WORD> vrf <WORD> [start-time time-stamp
<YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [vlan <NUMBER>]
[srcintf <srcintf>] [pktlen <NUMBER>] detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName
 <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE
 >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]
```

show acllog permit l3 flow tenant vrf

show acllog permit l3 flow tenant <WORD> vrf [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [protocol <Protocol>] [srcport <SrcPort>] [dstport <DstPort>] [srcintf <srcintf>] <WORD>

Description: tenant vrf information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
Protocol	(Optional) Protocol
SrcPort	(Optional) source port
DstPort	(Optional) destination port
srcintf	(Optional) source interface
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog permit l3 flow tenant <WORD> vrf [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D
 or A:B::C:D>] [protocol <Protocol>] [srcport <SrcPort>] [dstport <DstPort>] [srcintf
<srcintf>] <WORD>
```

show acllog permit l3 flow tenant vrf detail

show acllog permit l3 flow tenant <WORD> vrf [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [protocol <Protocol>] [srcport <SrcPort>] [dstport <DstPort>] [srcintf <srcintf>] <WORD> detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]

Description: detail information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
Protocol	(Optional) Protocol
SrcPort	(Optional) source port
DstPort	(Optional) destination port
srcintf	(Optional) source interface
WORD	Name of the VRF to filter on (Max Size 64)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog permit l3 flow tenant <WORD> vrf [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D
 or A:B::C:D>] [protocol <Protocol>] [srcport <SrcPort>] [dstport <DstPort>] [srcintf
<srcintf>] <WORD> detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName
 <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E
```

```
            EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]
```

show acllog permit l3 pkt tenant vrf

show acllog permit l3 pkt tenant <WORD> vrf <WORD> [start-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [protocol <protocol>] [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [srcport <NUMBER>] [dstport <NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>]

Description: Vrf Name

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the vrf to filter on (Max Size 64)
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
protocol	(Optional) protocol
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
<0-65535>	(Optional) Source port. Number range from=0 to=65535
<0-65535>	(Optional) Destination port. Number range from=0 to=65535
srcintf	(Optional) source Interface
<1-65535>	(Optional) packet length. Number range from=1 to=65535

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog permit l3 pkt tenant <WORD> vrf <WORD> [start-time time-stamp
<YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [protocol <protocol>]
 [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [srcport <NUMBER>] [dstport
<NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>]
```

show acllog permit l3 pkt tenant vrf detail

show acllog permit l3 pkt tenant <WORD> vrf <WORD> [start-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [protocol <protocol>] [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [srcport <NUMBER>] [dstport <NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>] detail [srcpctag <WORD>] [dstpctag <WORD>] [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]

Description: Detail information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the vrf to filter on (Max Size 64)
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
time-stamp <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
protocol	(Optional) protocol
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
A.B.C.D or A:B::C:D	(Optional) IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
<0-65535>	(Optional) Source port. Number range from=0 to=65535
<0-65535>	(Optional) Destination port. Number range from=0 to=65535
srcintf	(Optional) source Interface
<1-65535>	(Optional) packet length. Number range from=1 to=65535
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) PC Tag (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
WORD	(Optional) Epg Name (Max Size None)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

E.E.E EE-EE-EE-EE-EE-EE *EE:EE:EE:EE:EE:EE* *EEEE.EEEE.EEEE*	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

Command Mode: exec : Exec Mode

Command Path:

```
# show acllog permit l3 pkt tenant <WORD> vrf <WORD> [start-time time-stamp
<YYYY-MM-DDTHR:MIN:SEC>] [end-time time-stamp <YYYY-MM-DDTHR:MIN:SEC>] [protocol <protocol>]
 [srcip <A.B.C.D or A:B::C:D>] [dstip <A.B.C.D or A:B::C:D>] [srcport <NUMBER>] [dstport
<NUMBER>] [srcintf <srcintf>] [pktlen <NUMBER>] detail [srcpctag <WORD>] [dstpctag <WORD>]
 [srcEpgName <WORD>] [dstEpgName <WORD>] [srcmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE
 EEEE.EEEE.EEEE >] [dstmac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]
```

show analytics

show analytics

Description: Show analytics cluster configuration

Command Mode: exec : Exec Mode

Command Path:

```
# show analytics
```

show application

show application WORD

Description: Show Application Profiles Information

Syntax:

WORD	Name of the application we eventually want to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show application WORD
```

show audits

show audits [id <log-id>] [action action<action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] <scope>

Description: Show audit-log information

Syntax:

<log-id>	(Optional) Log ID
action<action-type>	(Optional) Object action indicator
<user-name>	(Optional) Name of user
<num-minutes>	(Optional) Logs created in time interval. Number range from=1 to=59
<num-hours>	(Optional) Logs created in time interval. Number range from=1 to=23
<num-days>	(Optional) Logs created in time interval. Number range from=1 to=999
<YYYY-MM-DDTHR:MIN:SEC>	(Optional) Logs created in time interval
end-time <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Logs created in time interval
detail	(Optional) Detailed audit-log information. Displays what was modified and displays the old and new settings.
<scope>	command scope

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action action<action-type>] [user <user-name>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] <scope>
```

show audits tenant

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD

Description: Show Tenants Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
```

show audits tenant application

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application WORD

Description: Show Application Profiles Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application WORD
```

show audits tenant application epg

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application WORD epg WORD

Description: Show Application EPG Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application WORD epg WORD
```

show audits tenant bridge-domain

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD
```

show audits tenant bridge-domain detail

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD detail
```

show audits tenant bridge-domain first-hop-security binding-table

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security
binding-table
```

show audits tenant bridge-domain first-hop-security statistics arp

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security
statistics arp
```

show audits tenant bridge-domain first-hop-security statistics dhcpv4

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security
 statistics dhcpv4
```

show audits tenant bridge-domain first-hop-security statistics dhcpv6

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security
statistics dhcpv6
```

show audits tenant bridge-domain first-hop-security statistics neighbor-discovery

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security
statistics neighbor-discovery
```

show audits tenant dnsservergroup

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD

Description: Show Dns Server Group Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD
```

show audits tenant dnsservergroup server

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD server WORD

Description: Show Dns Server Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD server WORD
```

show audits tenant dnsservergroup server domain

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD server WORD domain WORD

Description: Show Dns Domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)
WORD	Domain we eventually want to filter on (Max Size 512)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD server WORD domain WORD
```

show audits tenant interface bridge-domain

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD
```

show audits tenant interface bridge-domain detail

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD detail
```

show audits tenant interface bridge-domain first-hop-security binding-table

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security
 binding-table
```

show audits tenant interface bridge-domain first-hop-security statistics arp

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security
 statistics arp
```

show audits tenant interface bridge-domain first-hop-security statistics dhcpv4

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security
 statistics dhcpv4
```

show audits tenant interface bridge-domain first-hop-security statistics dhcpv6

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security
 statistics dhcpv6
```

show audits tenant interface bridge-domain first-hop-security statistics neighbor-discovery

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security
 statistics neighbor-discovery
```

show audits tenant multicast-route-maps

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD multicast-route-maps

Description: Show multicast route-maps per Tenant

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD multicast-route-maps
```

show audits tenant vrf

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD

Description: Show VRF Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
```

show audits tenant vrf acllog l2

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD acllog <permitDrop> l2 flow vlan <NUMBER> srcintf <srcintf>

Description: L2 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flowi stats
vlan	vlan info
<vlan>	<vlan>. Number range from=0 to=9223372036854775807
srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD acllog <permitDrop> l2 flow vlan
<NUMBER> srcintf <srcintf>
```

show audits tenant vrf acllog l3

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD acllog <permitDrop> l3 flow srcpctag <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname> dstepgname <dstepgname> srcip <A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto <proto> srcport <srcport> dstport <dstport> srcintf <srcintf>

Description: L3 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flow stats
srcpctag	source pc tag
<srcpctag>	<srcpctag>
dstpctag	destination pc tag
<dstpctag>	<dstpctag>
srcepgname	source epg name
<srcepgname>	<srcepgname>
dstepgname	destination epg name
<dstepgname>	<dstepgname>
srcip	source ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
dstip	destination ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
proto	protocol
<proto>	<proto>
srcport	source port
<srcport>	<srcport>
dstport	destination port

<dstport>	<dstport>
srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD acllog <permitDrop> l3 flow srcpctag
 <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname> dstepgname <dstepgname> srcip
<A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto <proto> srcport <srcport> dstport
<dstport> srcintf <srcintf>
```

show audits tenant vrf detail

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD detail

Description: Show detailed view of VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD detail
```

show audits tenant vrf external-l3 bgp

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 bgp

Description: Show command for BGP peers

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 bgp
```

show audits tenant vrf external-l3 bgp node

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 bgp node <101-4000>

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<101-4000>	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 bgp node <101-4000>
```

show audits tenant vrf external-l3 eigrp

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 eigrp

Description: Show external l3 EIGRP

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 eigrp
```

show audits tenant vrf external-l3 eigrp detail

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 eigrp detail

Description: Show interanl details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 eigrp detail
```

show audits tenant vrf external-l3 epg

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 epg <epgName>

Description: Show command for external-l3 epgs

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 epg <epgName>
```

show audits tenant vrf external-l3 epg detail

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 epg <epgName> detail

Description: external-l3 epg in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 epg <epgName> detail
```

show audits tenant vrf external-l3 interfaces

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 interfaces

Description: Show tenant <tenant> vrf <vrf> external l3 interfaces

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 interfaces
```

show audits tenant vrf external-l3 interfaces detail

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 interfaces detail

Description: Show interfaces details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 interfaces detail
```

show audits tenant vrf external-l3 ospf

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 ospf

Description: Show command for IPv4 and IPv6 external l3 OSPF configuration

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 ospf
```

show audits tenant vrf external-l3 ospf detail

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 ospf detail

Description: Show internal details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 ospf detail
```

show audits tenant vrf external-l3 scale

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 scale

Description: scale command

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 scale
```

show audits tenant vrf external-l3 scale detail

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 scale detail

Description: Show scale details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 scale detail
```

show audits tenant vrf external-l3 static-route

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route

Description: Show command for external-l3 static routes

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route
```

show audits tenant vrf external-l3 static-route detail

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route detail
```

show audits tenant vrf external-l3 static-route node

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route node

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route node
```

show audits tenant vrf external-l3 static-route node detail

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route node detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route node detail
```

show audits tenant vrf ipv6multicast

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD ipv6multicast

Description: Show ipv6 multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD ipv6multicast
```

show audits tenant vrf multicast

show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD multicast

Description: Show multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show audits [id <log-id>] [action <action-type>] [user <user-name>] [last-minutes <NUMBER>]
 [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time
 <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD multicast
```

show bridge-domain

show bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show bridge-domain WORD
```

show bridge-domain detail

show bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show bridge-domain WORD detail
```

show bridge-domain first-hop-security binding-table

show bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show bridge-domain WORD first-hop-security binding-table
```

show bridge-domain first-hop-security statistics arp

show bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show bridge-domain WORD first-hop-security statistics arp
```

show bridge-domain first-hop-security statistics dhcpv4

show bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show bridge-domain WORD first-hop-security statistics dhcpv4
```

show bridge-domain first-hop-security statistics dhcpv6

show bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show bridge-domain WORD first-hop-security statistics dhcpv6
```

show bridge-domain first-hop-security statistics neighbor-discovery

show bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show bridge-domain WORD first-hop-security statistics neighbor-discovery
```

show callhome

show callhome common

Description: Show command for callhome

Syntax:

common	Common

Command Mode: exec : Exec Mode

Command Path:

```
# show callhome common
```

show callhome common destination-profile

show callhome common destination-profile

Description: Show command for callhome destination-profile

Syntax:

common	Common

Command Mode: exec : Exec Mode

Command Path:

```
# show callhome common destination-profile
```

show callhome common query-profile

show callhome common query-profile

Description: Show command for callhome destination-profile

Syntax:

common	Common

Command Mode: exec : Exec Mode

Command Path:

```
# show callhome common query-profile
```

show callhome common transport-email

show callhome common transport-email

Description: Show command for callhome transport-email

Syntax:

common	Common

Command Mode: exec : Exec Mode

Command Path:

```
# show callhome common transport-email
```

show catalog

show catalog

Description: Show catalog information

Command Mode: exec : Exec Mode

Command Path:

```
# show catalog
```

show cli command

show cli command <WORD> [mode <mode-name>]

Description: Show Commands Syntax

Syntax:

WORD	Command Name pattern between single quotes
<mode-name>	(Optional) Mode name pattern between single quotes
details	(Optional) Show Command Details

Command Mode: exec : Exec Mode

Command Path:

```
# show cli command <WORD> [mode <mode-name>]
```

show cli list

show cli list [mode <mode-name>]

Description: Show all cli-related commands

Syntax:

<mode-name>	(Optional) Mode name pattern between single quotes
details	(Optional) Show Command Details

Command Mode: exec : Exec Mode

Command Path:

```
# show cli list [mode <mode-name>]
```

show cli manpage

show cli manpage <WORD> [mode <mode-name>]

Description: Show Commands ManPage

Syntax:

WORD	Command Name pattern between single quotes
<mode-name>	(Optional) Mode name pattern between single quotes
details	(Optional) Show Command Details

Command Mode: exec : Exec Mode

Command Path:

```
# show cli manpage <WORD> [mode <mode-name>]
```

show cli path

show cli path <WORD> [mode <mode-name>]

Description: Show Commands Path

Syntax:

WORD	Command Name pattern between single quotes
<mode-name>	(Optional) Mode name pattern between single quotes
details	(Optional) Show Command Details

Command Mode: exec : Exec Mode

Command Path:

```
# show cli path <WORD> [mode <mode-name>]
```

show clock

show clock

Description: Show clock information

Command Mode: exec : Exec Mode

Command Path:

```
# show clock
```

show cloudave

show cloudave

Description: Show cloud AVE information

Command Mode: exec : Exec Mode

Command Path:

```
# show cloudave
```

show cloudsec summary

show cloudsec summary

Description: Show brief summary of cloudsec policies

Command Mode: exec : Exec Mode

Command Path:

```
# show cloudsec summary
```

show communication ciphers

show communication ciphers

Description: HTTPS service cipher suite listings

Command Mode: exec : Exec Mode

Command Path:

```
# show communication ciphers
```

show communication controller

show communication controller node-id

Description: Show command for nginx web-requests

Syntax:

node-id	node-id

Command Mode: exec : Exec Mode

Command Path:

```
# show communication controller node-id
```

show communication http

show communication http

Description: HTTP service settings

Command Mode: exec : Exec Mode

Command Path:

```
# show communication http
```

show communication https

show communication https

Description: HTTPS service settings

Command Mode: exec : Exec Mode

Command Path:

```
# show communication https
```

show communication performance

show communication performance

Description: Show command for performance data

Command Mode: exec : Exec Mode

Command Path:

```
# show communication performance
```

show communication performance config

show communication performance config

Description: Show command for performance configuration

Command Mode: exec : Exec Mode

Command Path:

```
# show communication performance config
```

show communication performance results

show communication performance results

Description: Show command for performance results

Command Mode: exec : Exec Mode

Command Path:

```
# show communication performance results
```

show communication shellinabox

show communication shellinabox

Description: Shellinabox service settings

Command Mode: exec : Exec Mode

Command Path:

```
# show communication shellinabox
```

show communication ssh-service

show communication ssh-service

Description: SSH service settings

Command Mode: exec : Exec Mode

Command Path:

```
# show communication ssh-service
```

show communication telnet

show communication telnet

Description: Telnet service settings

Command Mode: exec : Exec Mode

Command Path:

```
# show communication telnet
```

show communication web-requests

show communication web-requests

Description: Status of last web requests

Command Mode: exec : Exec Mode

Command Path:

```
# show communication web-requests
```

show contract-type

show contract-type WORD

Description: Show Contracts Information Based on Type

Syntax:

WORD	whitelist (permit) or blacklist(deny) or oob-mgmt type of contract

Command Mode: exec : Exec Mode

Command Path:

```
# show contract-type WORD
```

show contract

show contract WORD

Description: Show Contracts Information

Syntax:

WORD	Name of the Contract to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show contract WORD
```

show controller

show controller

Description: Show controller information

Command Mode: exec : Exec Mode

Command Path:

```
# show controller
```

show controller detail

show controller detail [id <node-id>]

Description: Detailed controller information

Syntax:

node-id	(Optional) Optional Serial number

Command Mode: exec : Exec Mode

Command Path:

```
# show controller detail [id <node-id>]
```

show cores

show cores

Description: Show all core dumps

Command Mode: exec : Exec Mode

Command Path:

```
# show cores
```

show cores status

show cores status

Description: Show exported core status

Command Mode: exec : Exec Mode

Command Path:

```
# show cores status
```

show debug counter

show debug <node-name> <process> counter <counterTopics>

Description: Show Counter information

Syntax:

<node-name>	Node name
<process>	Process name
<counterTopics>	Counter Topics

Command Mode: exec : Exec Mode

Command Path:

```
# show debug <node-name> <process> counter <counterTopics>
```

show debug log

show debug <node-name> <process> log

Description: Show log level information

Syntax:

<node-name>	Node name
<process>	Process name

Command Mode: exec : Exec Mode

Command Path:

```
# show debug <node-name> <process> log
```

show deployment endpoint node

show deployment endpoint node <WORD>

Description: Node id

Syntax:

WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807

Command Mode: exec : Exec Mode

Command Path:

```
# show deployment endpoint node <WORD>
```

show dns-address

show dns-address

Description: Show dns address information

Command Mode: exec : Exec Mode

Command Path:

```
# show dns-address
```

show dns-domain

show dns-domain

Description: Show dns domain information

Command Mode: exec : Exec Mode

Command Path:

```
# show dns-domain
```

show dot1q-tunnel

show dot1q-tunnel WORD

Description: Show Dot1q-tunnel Information

Syntax:

WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show dot1q-tunnel WORD
```

show dwdm interface

show dwdm interface switch <101-4000>

Description: interface

Syntax:

switch	switch
<101-4000>	switch ID

Command Mode: exec : Exec Mode

Command Path:

```
# show dwdm interface switch <101-4000>
```

show endpoints

show endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>]

Description: Show IP endpoints

Syntax:

type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: exec : Exec Mode

Command Path:

```
# show endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE
 >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>]
```

show endpoints leaf interface ethernet

show endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface ethernet ethernet [<fex>/]<slot>/<port>

Description: Show IP endpoints on an interface ethernet

Syntax:

type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
ethernet [<fex>/]<slot>/<port>	Ethernet Range

Command Mode: exec : Exec Mode

Command Path:

```
# show endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE
>] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface ethernet ethernet
[<fex>/]<slot>/<port>
```

show endpoints leaf interface port-channel

show endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface port-channel <WORD> [fex <NUMBER>]

Description: Show IP endpoints on an interface port-channel

Syntax:

type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE
 >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface port-channel
<WORD> [fex <NUMBER>]
```

show endpoints vpc

show endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>]

Description: Show IP endpoints on vpc

Syntax:

type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
context	VPC Context
WORD	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
WORD	VPC Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE
 >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] vpc context <WORD> <WORD> interface
vpc <WORD> [fex <fex>]
```

show epg

show epg WORD

Description: Show Application EPG Information

Syntax:

| WORD | Name of the AEPG to filter on (Max Size 64) |

Command Mode: exec : Exec Mode

Command Path:

```
# show epg WORD
```

show epg detail

show epg WORD detail

Description: Show detailed view of Application EPg

Syntax:

WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show epg WORD detail
```

show events

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] <scope>

Description: Show event information

Syntax:

<event-code>	(Optional) Event code
<event-ID>	(Optional) Event ID
<event-value>	(Optional) Cause
last-minutes <num-minutes>	(Optional) Event activity in time interval. Number range from=1 to=59
last-hours <num-hours>	(Optional) Event activity in time interval. Number range from=1 to=23
last-days <num-days>	(Optional) Event activity in time interval. Number range from=1 to=999
start-time <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
end-time <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Event activity in time interval
detail	(Optional) Detailed event information
<scope>	command scope

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] <scope>
```

show events controller

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] controller

Description: Show controller information

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] controller
```

show events controller detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] controller detail [id <node-id>]

Description: Detailed controller information

Syntax:

node-id	(Optional) Optional Serial number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] controller detail [id <node-id>]
```

show events leaf

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId>

Description: Show command for leaf

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId>
```

show events leaf fex

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> fex <fexNum>

Description: Show extended chassis information

Syntax:

<leafId>	Leaf id
<fexNum>	pls enter fex number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> fex <fexNum>
```

show events leaf fex module

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> fex <fexNum> module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<fexNum>	pls enter fex number
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> fex <fexNum> module <lcSlot>
```

show events leaf interface ethernet

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface ethernet <phyInt>

Description: Ethernet IEEE 802.3z

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface ethernet <phyInt>
```

show events leaf interface fc

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface fc <phyInt>

Description: Fibre Channel Protocol

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface fc <phyInt>
```

show events leaf interface fcportchannel

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface fcportchannel <portChan>

Description: FC Port channel interface

Syntax:

<leafId>	Leaf id
<portChan>	<Port channel number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface fcportchannel <portChan>
```

show events leaf interface l3instance

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface l3instance <l3Inst>

Description: L3 instance

Syntax:

<leafId>	Leaf id
<l3Inst>	<L3 instance number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface l3instance <l3Inst>
```

show events leaf interface mgmt

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface mgmt <mgmtPort>

Description: Management interface

Syntax:

<leafId>	Leaf id
<mgmtPort>	<Management interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface mgmt <mgmtPort>
```

show events leaf interface portchannel

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface portchannel <portChan>

Description: Port channel interface

Syntax:

<leafId>	Leaf id
<portChan>	<Port channel number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface portchannel <portChan>
```

show events leaf interface tunnel

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface tunnel <tunnelPort>

Description: Tunnel Interface

Syntax:

<leafId>	Leaf id
<tunnelPort>	<Tunnel interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface tunnel <tunnelPort>
```

show events leaf interface vethernet

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface vethernet <phyInt>

Description: vethernet ID

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface vethernet <phyInt>
```

show events leaf inventory chassis

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory chassis

Description: Show inventory chassis information

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory chassis
```

show events leaf inventory fans

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory fans <ftSlot>

Description: Show inventory fan information

Syntax:

<leafId>	Leaf id
<ftSlot>	pls enter fan tray number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory fans <ftSlot>
```

show events leaf inventory module

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory module <lcSlot>
```

show events leaf inventory module fabricport

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory module <lcSlot> fabricport <fabPort>

Description: Show information for fabric port

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number
<fabPort>	pls enter the fabric port number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory module <lcSlot> fabricport
 <fabPort>
```

show events leaf inventory module leafport

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory module <lcSlot> leafport <leafPort>

Description: Show information for leaf port

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number
<leafPort>	pls enter the leaf port number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory module <lcSlot> leafport
 <leafPort>
```

show events leaf inventory powersupply

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory powersupply <psuSlot>

Description: Show inventory power supply information

Syntax:

<leafId>	Leaf id
<psuSlot>	pls enter the powersupply number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory powersupply <psuSlot>
```

show events leaf inventory supervisor

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory supervisor <supMod>

Description: Show information for supervisor module

Syntax:

<leafId>	Leaf id
<supMod>	pls enter the supervisor module number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory supervisor <supMod>
```

show events leaf protocol

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> protocol <protName>

Description: Show command for protocol

Syntax:

<leafId>	Leaf id
<protName>	Protocol name

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> protocol <protName>
```

show events leaf vpc

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> vpc <vpcPort>

Description: Virtual port channel information

Syntax:

<leafId>	Leaf id
<vpcPort>	pls enter virtual port channel number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> vpc <vpcPort>
```

show events leaf vrf

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> vrf <vrfPort>

Description: Vrf information

Syntax:

<leafId>	Leaf id
<vrfPort>	pls enter vrf name

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> vrf <vrfPort>
```

show events spine

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId>

Description: Show command for spine

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId>
```

show events spine interface ethernet

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface ethernet <phyInt>

Description: Ethernet IEEE 802.3z

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface ethernet <phyInt>
```

show events spine interface l3instance

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface l3instance <l3Inst>

Description: L3 instance

Syntax:

<leafId>	Leaf id
<l3Inst>	<L3 instance number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface l3instance <l3Inst>
```

show events spine interface mgmt

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface mgmt <mgmtPort>

Description: Management interface

Syntax:

<leafId>	Leaf id
<mgmtPort>	<Management interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface mgmt <mgmtPort>
```

show events spine interface tunnel

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface tunnel <tunnelPort>

Description: Tunnel Interface

Syntax:

<leafId>	Leaf id
<tunnelPort>	<Tunnel interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface tunnel <tunnelPort>
```

show events spine inventory chassis

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory chassis

Description: Show inventory chassis information

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory chassis
```

show events spine inventory fabric

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory fabric <fcMod>

Description: Show information for fabric module

Syntax:

<leafId>	Leaf id
<fcMod>	pls enter the fabric module number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory fabric <fcMod>
```

show events spine inventory fans

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory fans <ftSlot>

Description: Show inventory fan information

Syntax:

<leafId>	Leaf id
<ftSlot>	pls enter fan tray number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory fans <ftSlot>
```

show events spine inventory module

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory module <lcSlot>
```

show events spine inventory module fabricport

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory module <lcSlot> fabricport <fabPort>

Description: Show information for fabric port

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number
<fabPort>	pls enter the fabric port number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory module <lcSlot>
fabricport <fabPort>
```

show events spine inventory powersupply

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory powersupply <psuSlot>

Description: Show inventory power supply information

Syntax:

<leafId>	Leaf id
<psuSlot>	pls enter the powersupply number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory powersupply <psuSlot>
```

show events spine inventory supervisor

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory supervisor <supMod>

Description: Show information for supervisor module

Syntax:

<leafId>	Leaf id
<supMod>	pls enter the supervisor module number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory supervisor <supMod>
```

show events spine inventory system

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory system <sysMod>

Description: Show information for system module

Syntax:

<leafId>	Leaf id
<sysMod>	pls enter the system module number

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory system <sysMod>
```

show events spine protocol

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> protocol <protName>

Description: Show command for protocol

Syntax:

<leafId>	Leaf id
<protName>	Protocol name

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> protocol <protName>
```

show events spine vrf

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> vrf <vrfPort>

Description: Vrf information

Syntax:

<leafId>	Leaf id
<vrfPort>	pls enter vrf name

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> vrf <vrfPort>
```

show events tenant

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD

Description: Show Tenants Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
```

show events tenant application

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application WORD

Description: Show Application Profiles Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application WORD
```

show events tenant application epg

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application WORD epg WORD

Description: Show Application EPG Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application WORD epg WORD
```

show events tenant bridge-domain

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD
```

show events tenant bridge-domain detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD detail
```

show events tenant bridge-domain first-hop-security binding-table

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security
 binding-table
```

show events tenant bridge-domain first-hop-security statistics arp

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security
 statistics arp
```

show events tenant bridge-domain first-hop-security statistics dhcpv4

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security
 statistics dhcpv4
```

show events tenant bridge-domain first-hop-security statistics dhcpv6

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security
 statistics dhcpv6
```

show events tenant bridge-domain first-hop-security statistics neighbor-discovery

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security
 statistics neighbor-discovery
```

show events tenant dnsservergroup

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD

Description: Show Dns Server Group Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD
```

show events tenant dnsservergroup server

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD server WORD

Description: Show Dns Server Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD server WORD
```

show events tenant dnsservergroup server domain

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD server WORD domain WORD

Description: Show Dns Domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)
WORD	Domain we eventually want to filter on (Max Size 512)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD server WORD
domain WORD
```

show events tenant endpoints

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>]

Description: Show IP endpoints

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD endpoints [type <type>] [mac <E.E.E
 EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6
 <A:B::C:D>]
```

show events tenant endpoints leaf interface ethernet

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface ethernet ethernet [<fex>/]<slot>/<port>

Description: Show IP endpoints on an interface ethernet

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
ethernet [<fex>/]<slot>/<port>	Ethernet Range

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD endpoints [type <type>] [mac <E.E.E
 EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6
 <A:B::C:D>] leaf <WORD> interface ethernet ethernet [<fex>/]<slot>/<port>
```

show events tenant endpoints leaf interface port-channel

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface port-channel <WORD> [fex <NUMBER>]

Description: Show IP endpoints on an interface port-channel

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD endpoints [type <type>] [mac <E.E.E
 EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6
 <A:B::C:D>] leaf <WORD> interface port-channel <WORD> [fex <NUMBER>]
```

show events tenant endpoints vpc

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>]

Description: Show IP endpoints on vpc

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
context	VPC Context
WORD	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
WORD	VPC Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD endpoints [type <type>] [mac <E.E.E
 EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6
 <A:B::C:D>] vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>]
```

show events tenant interface bridge-domain

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD
```

show events tenant interface bridge-domain detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD detail
```

show events tenant interface bridge-domain first-hop-security binding-table

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD
first-hop-security binding-table
```

show events tenant interface bridge-domain first-hop-security statistics arp

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD
first-hop-security statistics arp
```

show events tenant interface bridge-domain first-hop-security statistics dhcpv4

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD
first-hop-security statistics dhcpv4
```

show events tenant interface bridge-domain first-hop-security statistics dhcpv6

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD
first-hop-security statistics dhcpv6
```

show events tenant interface bridge-domain first-hop-security statistics neighbor-discovery

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD
first-hop-security statistics neighbor-discovery
```

show events tenant multicast-route-maps

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD multicast-route-maps

Description: Show multicast route-maps per Tenant

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD multicast-route-maps
```

show events tenant vrf

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD

Description: Show VRF Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
```

show events tenant vrf acllog l2

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD acllog <permitDrop> l2 flow vlan <NUMBER> srcintf <srcintf>

Description: L2 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flowi stats
vlan	vlan info
<vlan>	<vlan>. Number range from=0 to=9223372036854775807
srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD acllog <permitDrop> l2
flow vlan <NUMBER> srcintf <srcintf>
```

show events tenant vrf acllog l3

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD acllog <permitDrop> l3 flow srcpctag <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname> dstepgname <dstepgname> srcip <A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto <proto> srcport <srcport> dstport <dstport> srcintf <srcintf>

Description: L3 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flow stats
srcpctag	source pc tag
<srcpctag>	<srcpctag>
dstpctag	destination pc tag
<dstpctag>	<dstpctag>
srcepgname	source epg name
<srcepgname>	<srcepgname>
dstepgname	destination epg name
<dstepgname>	<dstepgname>
srcip	source ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
dstip	destination ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
proto	protocol
<proto>	<proto>
srcport	source port
<srcport>	<srcport>
dstport	destination port

<dstport>	<dstport>
srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD acllog <permitDrop> l3
flow srcpctag <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname> dstepgname <dstepgname>
 srcip <A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto <proto> srcport <srcport>
dstport <dstport> srcintf <srcintf>
```

show events tenant vrf detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD detail

Description: Show detailed view of VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD detail
```

show events tenant vrf external-l3 bgp

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 bgp

Description: Show command for BGP peers

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 bgp
```

show events tenant vrf external-l3 bgp node

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 bgp node <101-4000>

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<101-4000>	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 bgp node
<101-4000>
```

show events tenant vrf external-l3 eigrp

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 eigrp

Description: Show external l3 EIGRP

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 eigrp
```

show events tenant vrf external-l3 eigrp detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 eigrp detail

Description: Show interanl details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 eigrp detail
```

show events tenant vrf external-l3 epg

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 epg <epgName>

Description: Show command for external-l3 epgs

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 epg <epgName>
```

show events tenant vrf external-l3 epg detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 epg <epgName> detail

Description: external-l3 epg in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 epg <epgName>
 detail
```

show events tenant vrf external-l3 interfaces

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 interfaces

Description: Show tenant <tenant> vrf <vrf> external l3 interfaces

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 interfaces
```

show events tenant vrf external-l3 interfaces detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 interfaces detail

Description: Show interfaces details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 interfaces
detail
```

show events tenant vrf external-l3 ospf

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 ospf

Description: Show command for IPv4 and IPv6 external l3 OSPF configuration

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 ospf
```

show events tenant vrf external-l3 ospf detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 ospf detail

Description: Show internal details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 ospf detail
```

show events tenant vrf external-l3 route-map

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 route-map [name <l3out name>]

Description: Show command for external-l3 route-map

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<l3out name>	(Optional) Name of the route-map to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 route-map [name
 <l3out name>]
```

show events tenant vrf external-l3 route-map detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 route-map [name <l3out name>] detail

Description: Show external-l3 route-map in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<l3out name>	(Optional) Name of the route-map to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 route-map [name
 <l3out name>] detail
```

show events tenant vrf external-l3 scale

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 scale

Description: scale command

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 scale
```

show events tenant vrf external-l3 scale detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 scale detail

Description: Show scale details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 scale detail
```

show events tenant vrf external-l3 static-route

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route

Description: Show command for external-l3 static routes

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route
```

show events tenant vrf external-l3 static-route detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route
detail
```

show events tenant vrf external-l3 static-route node

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route node

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route
node
```

show events tenant vrf external-l3 static-route node detail

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route node detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route
node detail
```

show events tenant vrf ipv6multicast

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD ipv6multicast

Description: Show ipv6 multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD ipv6multicast
```

show events tenant vrf multicast

show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD multicast

Description: Show multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show events [code <event-code>] [id <event-ID>] [cause <event-value>] [last-minutes
<NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
[end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD multicast
```

show external-l2 epg

show external-l2 epg

Description: Show command for external-l2 epgs

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l2 epg
```

show external-l2 epg name

show external-l2 epg name WORD

Description: EPG name to filter on

Syntax:

WORD	Name of the EPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l2 epg name WORD
```

show external-l2 epg tenant

show external-l2 epg tenant WORD

Description: tenant to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l2 epg tenant WORD
```

show external-l3 bgp

show external-l3 bgp

Description: Show command for BGP peers

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 bgp
```

show external-l3 bgp tenant

show external-l3 bgp tenant <WORD>

Description: tenant to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 bgp tenant <WORD>
```

show external-l3 bgp tenant vrf

show external-l3 bgp tenant <WORD> vrf WORD

Description: vrf to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 bgp tenant <WORD> vrf WORD
```

show external-l3 bgp tenant vrf node

show external-l3 bgp tenant <WORD> vrf WORD node <101-4000>

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<101-4000>	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 bgp tenant <WORD> vrf WORD node <101-4000>
```

show external-l3 eigrp

show external-l3 eigrp

Description: Show command for external-l3 eigrp

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 eigrp
```

show external-l3 eigrp detail

show external-l3 eigrp detail

Description: Show interanl details

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 eigrp detail
```

show external-l3 eigrp node

show external-l3 eigrp node <101-4000>

Description: Node(s) to filter on

Syntax:

| *<101-4000>* | Node Range or Node Name List |

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 eigrp node <101-4000>
```

show external-l3 eigrp node detail

show external-l3 eigrp node <101-4000> detail

Description: Show interanl details

Syntax:

<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 eigrp node <101-4000> detail
```

show external-l3 eigrp tenant

show external-l3 eigrp tenant <WORD>

Description: Tenant(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 eigrp tenant <WORD>
```

show external-l3 eigrp tenant detail

show external-l3 eigrp tenant <WORD> detail

Description: Show interanl details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 eigrp tenant <WORD> detail
```

show external-l3 eigrp tenant vrf

show external-l3 eigrp tenant <WORD> vrf WORD

Description: Vrf(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 eigrp tenant <WORD> vrf WORD
```

show external-l3 eigrp tenant vrf detail

show external-l3 eigrp tenant <WORD> vrf WORD detail

Description: Show interanl details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 eigrp tenant <WORD> vrf WORD detail
```

show external-l3 eigrp tenant vrf node

show external-l3 eigrp tenant <WORD> vrf WORD node <101-4000>

Description: Node(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)
<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 eigrp tenant <WORD> vrf WORD node <101-4000>
```

show external-l3 eigrp tenant vrf node detail

show external-l3 eigrp tenant <WORD> vrf WORD node <101-4000> detail

Description: Show interanl details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)
<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 eigrp tenant <WORD> vrf WORD node <101-4000> detail
```

show external-l3 epg

show external-l3 epg

Description: Show command for external-l3 epgs

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 epg
```

show external-l3 epg detail

show external-l3 epg detail

Description: external-l3 epg in detail with operational status

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 epg detail
```

show external-l3 epg name

show external-l3 epg name <epgName>

Description: EPG name to filter on

Syntax:

<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 epg name <epgName>
```

show external-l3 epg name detail

show external-l3 epg name <epgName> detail

Description: external-l3 epg in detail with operational status

Syntax:

<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 epg name <epgName> detail
```

show external-l3 epg tenant

show external-l3 epg tenant <WORD>

Description: tenant to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 epg tenant <WORD>
```

show external-l3 epg tenant detail

show external-l3 epg tenant <WORD> detail

Description: external-l3 epg in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 epg tenant <WORD> detail
```

show external-l3 epg tenant vrf

show external-l3 epg tenant <WORD> vrf WORD

Description: vrf to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 epg tenant <WORD> vrf WORD
```

show external-l3 epg tenant vrf detail

show external-l3 epg tenant <WORD> vrf WORD detail

Description: external-l3 epg in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 epg tenant <WORD> vrf WORD detail
```

show external-l3 interfaces

show external-l3 interfaces

Description: Show command for external-l3 interfaces

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 interfaces
```

show external-l3 interfaces detail

show external-l3 interfaces detail

Description: Show interfaces details

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 interfaces detail
```

show external-l3 interfaces node

show external-l3 interfaces node <101-4000>

Description: Node(s) to filter on

Syntax:

<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 interfaces node <101-4000>
```

show external-l3 interfaces node detail

show external-l3 interfaces node <101-4000> detail

Description: Show interfaces details

Syntax:

<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 interfaces node <101-4000> detail
```

show external-l3 interfaces tenant

show external-l3 interfaces tenant <WORD>

Description: Tenant(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 interfaces tenant <WORD>
```

show external-l3 interfaces tenant detail

show external-l3 interfaces tenant <WORD> detail

Description: Show interfaces details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 interfaces tenant <WORD> detail
```

show external-l3 interfaces tenant vrf

show external-l3 interfaces tenant <WORD> vrf WORD

Description: Vrf(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 interfaces tenant <WORD> vrf WORD
```

show external-l3 interfaces tenant vrf detail

show external-l3 interfaces tenant <WORD> vrf WORD detail

Description: Show interfaces details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 interfaces tenant <WORD> vrf WORD detail
```

show external-l3 interfaces tenant vrf node

show external-l3 interfaces tenant <WORD> vrf WORD node <101-4000>

Description: Node(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)
<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 interfaces tenant <WORD> vrf WORD node <101-4000>
```

show external-l3 interfaces tenant vrf node detail

show external-l3 interfaces tenant <WORD> vrf WORD node <101-4000> detail

Description: Show interfaces details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)
<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 interfaces tenant <WORD> vrf WORD node <101-4000> detail
```

show external-l3 ospf

show external-l3 ospf

Description: Show command for external-l3 ospf

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 ospf
```

show external-l3 ospf detail

show external-l3 ospf detail

Description: Show internal details

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 ospf detail
```

show external-l3 ospf node

show external-l3 ospf node <101-4000>

Description: Node(s) to filter on

Syntax:

<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 ospf node <101-4000>
```

show external-l3 ospf node detail

show external-l3 ospf node <101-4000> detail

Description: Show internal details

Syntax:

<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 ospf node <101-4000> detail
```

show external-l3 ospf tenant

show external-l3 ospf tenant <WORD>

Description: Tenant(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 ospf tenant <WORD>
```

show external-l3 ospf tenant detail

show external-l3 ospf tenant <WORD> detail

Description: Show internal details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 ospf tenant <WORD> detail
```

show external-l3 ospf tenant vrf

show external-l3 ospf tenant <WORD> vrf WORD

Description: Vrf(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 ospf tenant <WORD> vrf WORD
```

show external-l3 ospf tenant vrf detail

show external-l3 ospf tenant <WORD> vrf WORD detail

Description: Show internal details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 ospf tenant <WORD> vrf WORD detail
```

show external-l3 ospf tenant vrf node

show external-l3 ospf tenant <WORD> vrf WORD node <101-4000>

Description: Node(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)
<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 ospf tenant <WORD> vrf WORD node <101-4000>
```

show external-l3 ospf tenant vrf node detail

show external-l3 ospf tenant <WORD> vrf WORD node <101-4000> detail

Description: Show internal details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)
<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 ospf tenant <WORD> vrf WORD node <101-4000> detail
```

show external-l3 route-map

show external-l3 route-map

Description: Show command for external-l3 route-map

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 route-map
```

show external-l3 route-map detail

show external-l3 route-map detail

Description: Route-map in detail with operational status

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 route-map detail
```

show external-l3 route-map name

show external-l3 route-map name <l3out name>

Description: Route-map name to filter on

Syntax:

<l3out name>	Name of the route-map to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 route-map name <l3out name>
```

show external-l3 route-map name detail

show external-l3 route-map name <l3out name> detail

Description: Route-map in detail with operational status

Syntax:

<l3out name>	Name of the route-map to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 route-map name <l3out name> detail
```

show external-l3 route-map tenant

show external-l3 route-map tenant <WORD>

Description: tenant to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 route-map tenant <WORD>
```

show external-l3 route-map tenant detail

show external-l3 route-map tenant <WORD> detail

Description: Route-map in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 route-map tenant <WORD> detail
```

show external-l3 route-map tenant vrf

show external-l3 route-map tenant <WORD> vrf WORD

Description: vrf to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 route-map tenant <WORD> vrf WORD
```

show external-l3 route-map tenant vrf detail

show external-l3 route-map tenant <WORD> vrf WORD detail

Description: Route-map in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 route-map tenant <WORD> vrf WORD detail
```

show external-l3 route-map tenant vrf node

show external-l3 route-map tenant <WORD> vrf WORD node

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 route-map tenant <WORD> vrf WORD node
```

show external-l3 route-map tenant vrf node detail

show external-l3 route-map tenant <WORD> vrf WORD node detail

Description: Route-map in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 route-map tenant <WORD> vrf WORD node detail
```

show external-l3 scale

show external-l3 scale

Description: Show command for external-l3 scale

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 scale
```

show external-l3 scale detail

show external-l3 scale detail

Description: Show scale details

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 scale detail
```

show external-l3 scale node

show external-l3 scale node <101-4000>

Description: Node(s) to filter on

Syntax:

<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 scale node <101-4000>
```

show external-l3 scale node detail

show external-l3 scale node <101-4000> detail

Description: Show scale details

Syntax:

<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 scale node <101-4000> detail
```

show external-l3 scale tenant

show external-l3 scale tenant <WORD>

Description: Tenant(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 scale tenant <WORD>
```

show external-l3 scale tenant detail

show external-l3 scale tenant <WORD> detail

Description: Show scale details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 scale tenant <WORD> detail
```

show external-l3 scale tenant vrf

show external-l3 scale tenant <WORD> vrf WORD

Description: Vrf(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 scale tenant <WORD> vrf WORD
```

show external-l3 scale tenant vrf detail

show external-l3 scale tenant <WORD> vrf WORD detail

Description: Show scale details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 scale tenant <WORD> vrf WORD detail
```

show external-l3 scale tenant vrf node

show external-l3 scale tenant <WORD> vrf WORD node <101-4000>

Description: Node(s) to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)
<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 scale tenant <WORD> vrf WORD node <101-4000>
```

show external-l3 scale tenant vrf node detail

show external-l3 scale tenant <WORD> vrf WORD node <101-4000> detail

Description: Show scale details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF(s) to filter on (Max Size 64)
<101-4000>	Node Range or Node Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 scale tenant <WORD> vrf WORD node <101-4000> detail
```

show external-l3 static-route

show external-l3 static-route

Description: Show command for external-l3 static routes

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 static-route
```

show external-l3 static-route detail

show external-l3 static-route detail

Description: static-route in detail with operational status

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 static-route detail
```

show external-l3 static-route node

show external-l3 static-route node

Description: node to filter on

Syntax:

| *arg* | Leaf Range or Leaf Name List |

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 static-route node
```

show external-l3 static-route node detail

show external-l3 static-route node detail

Description: static-route in detail with operational status

Syntax:

arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 static-route node detail
```

show external-l3 static-route tenant

show external-l3 static-route tenant <WORD>

Description: tenant to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 static-route tenant <WORD>
```

show external-l3 static-route tenant detail

show external-l3 static-route tenant <WORD> detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 static-route tenant <WORD> detail
```

show external-l3 static-route tenant vrf

show external-l3 static-route tenant <WORD> vrf WORD

Description: vrf to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 static-route tenant <WORD> vrf WORD
```

show external-l3 static-route tenant vrf detail

show external-l3 static-route tenant <WORD> vrf WORD detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 static-route tenant <WORD> vrf WORD detail
```

show external-l3 static-route tenant vrf node

show external-l3 static-route tenant <WORD> vrf WORD node

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 static-route tenant <WORD> vrf WORD node
```

show external-l3 static-route tenant vrf node detail

show external-l3 static-route tenant <WORD> vrf WORD node detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show external-l3 static-route tenant <WORD> vrf WORD node detail
```

show fabric-recovery checker

show fabric-recovery checker moDn [detail]

Description: To show the recovery checker status

Syntax:

moDn	Optional Dn
detail	(Optional) detail

Command Mode: exec : Exec Mode

Command Path:

```
# show fabric-recovery checker moDn [detail]
```

show fabric-recovery status

show fabric-recovery status

Description: Show fabric recovery status

Command Mode: exec : Exec Mode

Command Path:

```
# show fabric-recovery status
```

show faults

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes/no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] <scope>

Description: Show fault information

Syntax:

history	(Optional) Historical information
<fault-code>	(Optional) Fault code
<fault-ID>	(Optional) Fault ID
<yes/no>	(Optional) Acknowledgment status
<lc-state>	(Optional) Lifecycle state
<severity-value>	(Optional) Severity
<severity-value>	(Optional) Minimum severity
<fault-type>	(Optional) Type
<fault-value>	(Optional) Cause
last-minutes <num-minutes>	(Optional) Fault activity in time interval. Number range from=1 to=59
last-hours <num-hours>	(Optional) Fault activity in time interval. Number range from=1 to=23
last-days <num-days>	(Optional) Fault activity in time interval. Number range from=1 to=999
start-time <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Fault activity in time interval
end-time <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Fault activity in time interval
detail	(Optional) Detailed faults information
<scope>	command scope

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes/no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail]
 <scope>
```

show faults controller

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] controller

Description: Show controller information

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] controller
```

show faults controller detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] controller detail [id <node-id>]

Description: Detailed controller information

Syntax:

node-id	(Optional) Optional Serial number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] controller detail [id
 <node-id>]
```

show faults l4l7-cluster

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] l4l7-cluster [tenant <Tenant Name>] [cluster <Device Cluster Name>]

Description: Show L4 L7 Device information

Syntax:

Tenant Name	(Optional) Name of Tenant
Device Cluster Name	(Optional) Name of Device

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] l4l7-cluster [tenant
 <Tenant Name>] [cluster <Device Cluster Name>]
```

show faults l4l7-graph

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] l4l7-graph [tenant <Tenant Name>] [graph <Graph Name>]

Description: Show L4 L7 Graph information

Syntax:

<Tenant Name>	(Optional) Name of Tenant
<Graph Name>	(Optional) Name of Graph

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] l4l7-graph [tenant
<Tenant Name>] [graph <Graph Name>]
```

show faults leaf

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId>

Description: Show command for leaf

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId>
```

show faults leaf fex

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> fex <fexNum>

Description: Show extended chassis information

Syntax:

<leafId>	Leaf id
<fexNum>	pls enter fex number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> fex
<fexNum>
```

show faults leaf fex module

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> fex <fexNum> module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<fexNum>	pls enter fex number
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> fex
<fexNum> module <lcSlot>
```

show faults leaf interface ethernet

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface ethernet <phyInt>

Description: Ethernet IEEE 802.3z

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface
 ethernet <phyInt>
```

show faults leaf interface fc

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface fc <phyInt>

Description: Fibre Channel Protocol

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface
 fc <phyInt>
```

show faults leaf interface fcportchannel

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface fcportchannel <portChan>

Description: FC Port channel interface

Syntax:

<leafId>	Leaf id
<portChan>	<Port channel number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface
 fcportchannel <portChan>
```

show faults leaf interface l3instance

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface l3instance <l3Inst>

Description: L3 instance

Syntax:

<leafId>	Leaf id
<l3Inst>	<L3 instance number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface
 l3instance <l3Inst>
```

show faults leaf interface mgmt

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface mgmt <mgmtPort>

Description: Management interface

Syntax:

<leafId>	Leaf id
<mgmtPort>	<Management interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface
 mgmt <mgmtPort>
```

show faults leaf interface portchannel

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface portchannel <portChan>

Description: Port channel interface

Syntax:

<leafId>	Leaf id
<portChan>	<Port channel number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface
 portchannel <portChan>
```

show faults leaf interface tunnel

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface tunnel <tunnelPort>

Description: Tunnel Interface

Syntax:

<leafId>	Leaf id
<tunnelPort>	<Tunnel interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface
 tunnel <tunnelPort>
```

show faults leaf interface vethernet

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface vethernet <phyInt>

Description: vethernet ID

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> interface
 vethernet <phyInt>
```

show faults leaf inventory chassis

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory chassis

Description: Show inventory chassis information

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory
 chassis
```

show faults leaf inventory fans

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory fans <ftSlot>

Description: Show inventory fan information

Syntax:

<leafId>	Leaf id
<ftSlot>	pls enter fan tray number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory
 fans <ftSlot>
```

show faults leaf inventory module

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory
 module <lcSlot>
```

show faults leaf inventory module fabricport

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory module <lcSlot> fabricport <fabPort>

Description: Show information for fabric port

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number
<fabPort>	pls enter the fabric port number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory
 module <lcSlot> fabricport <fabPort>
```

show faults leaf inventory module leafport

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory module <lcSlot> leafport <leafPort>

Description: Show information for leaf port

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number
<leafPort>	pls enter the leaf port number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory
 module <lcSlot> leafport <leafPort>
```

show faults leaf inventory powersupply

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory powersupply <psuSlot>

Description: Show inventory power supply information

Syntax:

<leafId>	Leaf id
<psuSlot>	pls enter the powersupply number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory
 powersupply <psuSlot>
```

show faults leaf inventory supervisor

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory supervisor <supMod>

Description: Show information for supervisor module

Syntax:

<leafId>	Leaf id
<supMod>	pls enter the supervisor module number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> inventory
 supervisor <supMod>
```

show faults leaf protocol

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> protocol <protName>

Description: Show command for protocol

Syntax:

<leafId>	Leaf id
<protName>	Protocol name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> protocol
 <protName>
```

show faults leaf vpc

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> vpc <vpcPort>

Description: Virtual port channel information

Syntax:

<leafId>	Leaf id
<vpcPort>	pls enter virtual port channel number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> vpc
<vpcPort>
```

show faults leaf vrf

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> vrf <vrfPort>

Description: Vrf information

Syntax:

<leafId>	Leaf id
<vrfPort>	pls enter vrf name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId> vrf
<vrfPort>
```

show faults microsoft domain

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain

Description: Show Microsoft domain information

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain
```

show faults microsoft domain name

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name <WORD>

Description: Microsoft domain name

Syntax:

WORD	Microsoft domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name
 <WORD>
```

show faults microsoft domain name hyperv

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name <WORD> hyperv <WORD>

Description: Show Microsoft Hypervisor information

Syntax:

WORD	Microsoft domain name
WORD	HyperV hostname

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name
 <WORD> hyperv <WORD>
```

show faults microsoft domain name port-group

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name <WORD> port-group

Description: Show Microsoft port group information

Syntax:

WORD	Microsoft domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name
 <WORD> port-group
```

show faults microsoft domain name scvmm

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name <WORD> scvmm <hostname|ip>

Description: Show Microsoft SCVMM information

Syntax:

WORD	Microsoft domain name
<hostname|ip>	SCVMM hostname or IP

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
 <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name
 <WORD> scvmm <hostname|ip>
```

show faults microsoft domain name vm

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name <WORD> vm

Description: Show Microsoft VM information

Syntax:

WORD	Microsoft domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name
 <WORD> vm
```

show faults microsoft domain name vm name

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name <WORD> vm name <WORD>

Description: Show detailed Microsoft VM information

Syntax:

WORD	Microsoft domain name
WORD	VM Name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] microsoft domain name
 <WORD> vm name <WORD>
```

show faults quota

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] quota

Description: Show Quotas Information

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] quota
```

show faults redhat domain

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] redhat domain

Description: Show Redhat domain information

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] redhat domain
```

show faults redhat domain name

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] redhat domain name <name>

Description: Redhat domain name

Syntax:

<name>	Redhat domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] redhat domain name
<name>
```

show faults redhat domain name epg

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] redhat domain name <name> epg

Description: Show Redhat domain EPG details

Syntax:

<name>	Redhat domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] redhat domain name
<name> epg
```

show faults redhat domain name rhev

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] redhat domain name <name> rhev <hostname|ip>

Description: RHEV ip or hostname

Syntax:

<name>	Redhat domain name
<hostname|ip>	rhev hostname or IP

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] redhat domain name
<name> rhev <hostname|ip>
```

show faults spine

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId>

Description: Show command for spine

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId>
```

show faults spine interface ethernet

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface ethernet <phyInt>

Description: Ethernet IEEE 802.3z

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
 <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface
 ethernet <phyInt>
```

show faults spine interface l3instance

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface l3instance <l3Inst>

Description: L3 instance

Syntax:

<leafId>	Leaf id
<l3Inst>	<L3 instance number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface
 l3instance <l3Inst>
```

show faults spine interface mgmt

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface mgmt <mgmtPort>

Description: Management interface

Syntax:

<leafId>	Leaf id
<mgmtPort>	<Management interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface
 mgmt <mgmtPort>
```

show faults spine interface tunnel

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface tunnel <tunnelPort>

Description: Tunnel Interface

Syntax:

<leafId>	Leaf id
<tunnelPort>	<Tunnel interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> interface
 tunnel <tunnelPort>
```

show faults spine inventory chassis

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory chassis

Description: Show inventory chassis information

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory
 chassis
```

show faults spine inventory fabric

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory fabric <fcMod>

Description: Show information for fabric module

Syntax:

<leafId>	Leaf id
<fcMod>	pls enter the fabric module number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory
 fabric <fcMod>
```

show faults spine inventory fans

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory fans <ftSlot>

Description: Show inventory fan information

Syntax:

<leafId>	Leaf id
<ftSlot>	pls enter fan tray number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory
 fans <ftSlot>
```

show faults spine inventory module

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory
 module <lcSlot>
```

show faults spine inventory module fabricport

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory module <lcSlot> fabricport <fabPort>

Description: Show information for fabric port

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number
<fabPort>	pls enter the fabric port number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory
 module <lcSlot> fabricport <fabPort>
```

show faults spine inventory powersupply

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory powersupply <psuSlot>

Description: Show inventory power supply information

Syntax:

<leafId>	Leaf id
<psuSlot>	pls enter the powersupply number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory
 powersupply <psuSlot>
```

show faults spine inventory supervisor

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory supervisor <supMod>

Description: Show information for supervisor module

Syntax:

<leafId>	Leaf id
<supMod>	pls enter the supervisor module number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory
 supervisor <supMod>
```

show faults spine inventory system

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory system <sysMod>

Description: Show information for system module

Syntax:

<leafId>	Leaf id
<sysMod>	pls enter the system module number

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> inventory
 system <sysMod>
```

show faults spine protocol

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> protocol <protName>

Description: Show command for protocol

Syntax:

<leafId>	Leaf id
<protName>	Protocol name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
 <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> protocol
 <protName>
```

show faults spine vrf

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> vrf <vrfPort>

Description: Vrf information

Syntax:

<leafId>	Leaf id
<vrfPort>	pls enter vrf name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId> vrf
<vrfPort>
```

show faults tenant

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD

Description: Show Tenants Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
```

show faults tenant application

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application WORD

Description: Show Application Profiles Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application
 WORD
```

show faults tenant application epg

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application WORD epg WORD

Description: Show Application EPG Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD application
 WORD epg WORD
```

show faults tenant bridge-domain

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
bridge-domain WORD
```

show faults tenant bridge-domain detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
bridge-domain WORD detail
```

show faults tenant bridge-domain first-hop-security binding-table

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
bridge-domain WORD first-hop-security binding-table
```

show faults tenant bridge-domain first-hop-security statistics arp

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
bridge-domain WORD first-hop-security statistics arp
```

show faults tenant bridge-domain first-hop-security statistics dhcpv4

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
bridge-domain WORD first-hop-security statistics dhcpv4
```

show faults tenant bridge-domain first-hop-security statistics dhcpv6

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
bridge-domain WORD first-hop-security statistics dhcpv6
```

show faults tenant bridge-domain first-hop-security statistics neighbor-discovery

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
bridge-domain WORD first-hop-security statistics neighbor-discovery
```

show faults tenant dnsservergroup

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD

Description: Show Dns Server Group Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
dnsservergroup WORD
```

show faults tenant dnsservergroup server

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD server WORD

Description: Show Dns Server Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
dnsservergroup WORD server WORD
```

show faults tenant dnsservergroup server domain

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD dnsservergroup WORD server WORD domain WORD

Description: Show Dns Domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)
WORD	Domain we eventually want to filter on (Max Size 512)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
dnsservergroup WORD server WORD domain WORD
```

show faults tenant interface bridge-domain

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface
 bridge-domain WORD
```

show faults tenant interface bridge-domain detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface
 bridge-domain WORD detail
```

show faults tenant interface bridge-domain first-hop-security binding-table

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface
 bridge-domain WORD first-hop-security binding-table
```

show faults tenant interface bridge-domain first-hop-security statistics arp

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface
 bridge-domain WORD first-hop-security statistics arp
```

show faults tenant interface bridge-domain first-hop-security statistics dhcpv4

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface
 bridge-domain WORD first-hop-security statistics dhcpv4
```

show faults tenant interface bridge-domain first-hop-security statistics dhcpv6

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface
 bridge-domain WORD first-hop-security statistics dhcpv6
```

show faults tenant interface bridge-domain first-hop-security statistics neighbor-discovery

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD interface
 bridge-domain WORD first-hop-security statistics neighbor-discovery
```

show faults tenant multicast-route-maps

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD multicast-route-maps

Description: Show multicast route-maps per Tenant

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD
multicast-route-maps
```

show faults tenant vrf

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD

Description: Show VRF Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
```

show faults tenant vrf acllog l2

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD acllog <permitDrop> l2 flow vlan <NUMBER> srcintf <srcintf>

Description: L2 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flowi stats
vlan	vlan info
<vlan>	<vlan>. Number range from=0 to=9223372036854775807
srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 acllog <permitDrop> l2 flow vlan <NUMBER> srcintf <srcintf>
```

show faults tenant vrf acllog l3

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD acllog <permitDrop> l3 flow srcpctag <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname> dstepgname <dstepgname> srcip <A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto <proto> srcport <srcport> dstport <dstport> srcintf <srcintf>

Description: L3 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flow stats
srcpctag	source pc tag
<srcpctag>	<srcpctag>
dstpctag	destination pc tag
<dstpctag>	<dstpctag>
srcepgname	source epg name
<srcepgname>	<srcepgname>
dstepgname	destination epg name
<dstepgname>	<dstepgname>
srcip	source ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
dstip	destination ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
proto	protocol
<proto>	<proto>
srcport	source port
<srcport>	<srcport>
dstport	destination port

<dstport>	<dstport>
srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 acllog <permitDrop> l3 flow srcpctag <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname>
 dstepgname <dstepgname> srcip <A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto
<proto> srcport <srcport> dstport <dstport> srcintf <srcintf>
```

show faults tenant vrf detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD detail

Description: Show detailed view of VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 detail
```

show faults tenant vrf external-l3 bgp

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 bgp

Description: Show command for BGP peers

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 bgp
```

show faults tenant vrf external-l3 bgp node

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 bgp node <101-4000>

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<101-4000>	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 bgp node <101-4000>
```

show faults tenant vrf external-l3 eigrp

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 eigrp

Description: Show external l3 EIGRP

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 eigrp
```

show faults tenant vrf external-l3 eigrp detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 eigrp detail

Description: Show interanl details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 eigrp detail
```

show faults tenant vrf external-l3 epg

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 epg <epgName>

Description: Show command for external-l3 epgs

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 epg <epgName>
```

show faults tenant vrf external-l3 epg detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 epg <epgName> detail

Description: external-l3 epg in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 epg <epgName> detail
```

show faults tenant vrf external-l3 interfaces

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 interfaces

Description: Show tenant <tenant> vrf <vrf> external l3 interfaces

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
 <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 interfaces
```

show faults tenant vrf external-l3 interfaces detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 interfaces detail

Description: Show interfaces details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 interfaces detail
```

show faults tenant vrf external-l3 ospf

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 ospf

Description: Show command for IPv4 and IPv6 external l3 OSPF configuration

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 ospf
```

show faults tenant vrf external-l3 ospf detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 ospf detail

Description: Show internal details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 ospf detail
```

show faults tenant vrf external-l3 scale

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 scale

Description: scale command

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 scale
```

show faults tenant vrf external-l3 scale detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 scale detail

Description: Show scale details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 scale detail
```

show faults tenant vrf external-l3 static-route

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route

Description: Show command for external-l3 static routes

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 static-route
```

show faults tenant vrf external-l3 static-route detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 static-route detail
```

show faults tenant vrf external-l3 static-route node

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route node

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 static-route node
```

show faults tenant vrf external-l3 static-route node detail

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD external-l3 static-route node detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 external-l3 static-route node detail
```

show faults tenant vrf ipv6multicast

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD ipv6multicast

Description: Show ipv6 multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 ipv6multicast
```

show faults tenant vrf multicast

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD multicast

Description: Show multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] tenant WORD vrf WORD
 multicast
```

show faults vmware domain

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain

Description: Show VMware domain information

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain
```

show faults vmware domain name

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name <name>

Description: VMware domain name

Syntax:

<name>	VMware domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name
<name>
```

show faults vmware domain name epg

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name <name> epg

Description: Show VMware domain EPG details

Syntax:

<name>	VMware domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name
<name> epg
```

show faults vmware domain name esx

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name <name> esx <esx-ip>

Description: Show VMware ESX information

Syntax:

<name>	VMware domain name
<esx-ip>	ESX IP

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name
<name> esx <esx-ip>
```

show faults vmware domain name port-group

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name <name> port-group

Description: Show VMware port group information

Syntax:

<name>	VMware domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name
<name> port-group
```

show faults vmware domain name trunk-portgroup

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name <name> trunk-portgroup [name <name>]

Description: Show VMware domain trunk portgroup details

Syntax:

<name>	VMware domain name
<name>	(Optional) trunk portgroup name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name
<name> trunk-portgroup [name <name>]
```

show faults vmware domain name vcenter

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name <name> vcenter <hostname|ip>

Description: VMware vCenter ip or hostname

Syntax:

<name>	VMware domain name
<hostname|ip>	vCenter hostname or IP

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name
<name> vcenter <hostname|ip>
```

show faults vmware domain name vm

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name <name> vm

Description: Show VMware VM information

Syntax:

<name>	VMware domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name
<name> vm
```

show faults vmware domain name vm name

show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>] [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause <fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name <name> vm name <vm-name>

Description: Show detailed VMware VM information

Syntax:

<name>	VMware domain name
<vm-name>	VM Name

Command Mode: exec : Exec Mode

Command Path:

```
# show faults [history] [code <fault-code>] [id <fault-ID>] [ack <yes|no>] [lc <lc-state>]
 [severity <severity-value>] [min-severity <severity-value>] [type <fault-type>] [cause
<fault-value>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time
 <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] vmware domain name
<name> vm name <vm-name>
```

show fips

show fips

Description: Show FIPS information

Command Mode: exec : Exec Mode

Command Path:

```
# show fips
```

show fips status

show fips status

Description: Show FIPS status

Command Mode: exec : Exec Mode

Command Path:

```
# show fips status
```

show firmware compat matrix

show firmware compat matrix <WORD>

Description: compatibility matrix for desired version

Syntax:

WORD	Desired Controller Version

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware compat matrix <WORD>
```

show firmware repository

show firmware repository

Description: Show firmware images present in repository

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware repository
```

show firmware repository detail

show firmware repository detail

Description: Detailed repository information

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware repository detail
```

show firmware upgrade scheduler-status

show firmware upgrade scheduler-status

Description: scheduler status information

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware upgrade scheduler-status
```

show firmware upgrade scheduler-status switch-group

show firmware upgrade scheduler-status switch-group <WORD>

Description: Scheduler status for desired switch group

Syntax:

WORD	Scheduler status for desired switch group

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware upgrade scheduler-status switch-group <WORD>
```

show firmware upgrade status

show firmware upgrade status

Description: Upgrade status of all controllers and switches

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware upgrade status
```

show firmware upgrade status controller-group

show firmware upgrade status controller-group

Description: Controller-group upgrade status

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware upgrade status controller-group
```

show firmware upgrade status controller-group detail

show firmware upgrade status controller-group detail

Description: Detailed upgrade status

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware upgrade status controller-group detail
```

show firmware upgrade status detail

show firmware upgrade status detail

Description: Detailed upgrade status information

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware upgrade status detail
```

show firmware upgrade status switch-group

show firmware upgrade status switch-group <WORD>

Description: Switch-group upgrade status

Syntax:

WORD	switch-group name (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware upgrade status switch-group <WORD>
```

show firmware upgrade status switch-group detail

show firmware upgrade status switch-group <WORD> detail

Description: Detailed upgrade status

Syntax:

WORD	switch-group name (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show firmware upgrade status switch-group <WORD> detail
```

show flow exporter

show flow exporter

Description: Show Netflow exporter information

Command Mode: exec : Exec Mode

Command Path:

```
# show flow exporter
```

show flow exporter infra

show flow exporter infra WORD [detail]

Description: Show flow exporter infra information

Syntax:

WORD	Exporter Name
detail	(Optional) detail

Command Mode: exec : Exec Mode

Command Path:

```
# show flow exporter infra WORD [detail]
```

show flow exporter tenant

show flow exporter tenant <WORD> WORD [detail]

Description: Show flow exporter tenant information

Syntax:

WORD	Optional tenant name
WORD	Exporter Name
detail	(Optional) detail

Command Mode: exec : Exec Mode

Command Path:

```
# show flow exporter tenant <WORD> WORD [detail]
```

show flow monitor

show flow monitor

Description: Show Netflow Monitor Information

Command Mode: exec : Exec Mode

Command Path:

```
# show flow monitor
```

show flow monitor infra

show flow monitor infra WORD [detail]

Description: Show Netflow Monitor Information for infra

Syntax:

WORD	Optional Monitor Name
detail	(Optional) detail

Command Mode: exec : Exec Mode

Command Path:

```
# show flow monitor infra WORD [detail]
```

show flow monitor tenant

show flow monitor tenant <WORD> WORD [detail]

Description: Show Netflow Monitor Information for the specified tenant

Syntax:

WORD	Specify tenant name
WORD	Optional Monitor Name
detail	(Optional) detail

Command Mode: exec : Exec Mode

Command Path:

```
# show flow monitor tenant <WORD> WORD [detail]
```

show flow node-policy

show flow node-policy [name <WORD>]

Description: Show Netflow Node Policy Information

Syntax:

WORD	(Optional) Optional Node Policy Name

Command Mode: exec : Exec Mode

Command Path:

```
# show flow node-policy [name <WORD>]
```

show flow node-policy detail

show flow node-policy [name <WORD>] detail

Description: Show Netflow Node Policy Detailed Information

Syntax:

WORD	(Optional) Optional Node Policy Name

Command Mode: exec : Exec Mode

Command Path:

```
# show flow node-policy [name <WORD>] detail
```

show flow record

show flow record

Description: Show Netflow record information

Command Mode: exec : Exec Mode

Command Path:

```
# show flow record
```

show flow record infra

show flow record infra WORD [detail]

Description: Show flow record infra information

Syntax:

WORD	Record Name
detail	(Optional) detail

Command Mode: exec : Exec Mode

Command Path:

```
# show flow record infra WORD [detail]
```

show flow record tenant

show flow record tenant [record-name <recordName>] <tenantName> WORD [detail]

Description: Show flow record tenant information

Syntax:

recordName	(Optional) Optional record name
tenantName	Optional tenant name
WORD	Record Name
detail	(Optional) detail

Command Mode: exec : Exec Mode

Command Path:

```
# show flow record tenant [record-name <recordName>] <tenantName> WORD [detail]
```

show flow vm-exporter

show flow vm-exporter WORD

Description: Show NetFlow Exporter information for VM Networking

Syntax:

WORD	NetFlow Exporter Name

Command Mode: exec : Exec Mode

Command Path:

```
# show flow vm-exporter WORD
```

show health

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time end-time <YYYY-MM-DDTHR:MIN:SEC>] <scope>

Description: Show health score information

Syntax:

history	(Optional) Historical information
min-change <percentage change>	(Optional) Minimum change in health score percentage. Number range from=-100 to=9999
max-hs <maximum health-score>	(Optional) Maximum health score. Number range from=0 to=100
start-time <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Health activity in time interval
end-time <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Health activity in time interval
<scope>	command scope

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time end-time <YYYY-MM-DDTHR:MIN:SEC>] <scope>
```

show health leaf

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId>

Description: Show command for leaf

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId>
```

show health leaf fex

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> fex <fexNum>

Description: Show extended chassis information

Syntax:

<leafId>	Leaf id
<fexNum>	pls enter fex number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> fex <fexNum>
```

show health leaf fex module

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> fex <fexNum> module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<fexNum>	pls enter fex number
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> fex <fexNum>
module <lcSlot>
```

show health leaf interface ethernet

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface ethernet <phyInt>

Description: Ethernet IEEE 802.3z

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface ethernet
 <phyInt>
```

show health leaf interface fc

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface fc <phyInt>

Description: Fibre Channel Protocol

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface fc
<phyInt>
```

show health leaf interface fcportchannel

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface fcportchannel <portChan>

Description: FC Port channel interface

Syntax:

<leafId>	Leaf id
<portChan>	<Port channel number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface
fcportchannel <portChan>
```

show health leaf interface l3instance

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface l3instance <l3Inst>

Description: L3 instance

Syntax:

<leafId>	Leaf id
<l3Inst>	<L3 instance number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface l3instance
 <l3Inst>
```

show health leaf interface mgmt

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface mgmt <mgmtPort>

Description: Management interface

Syntax:

<leafId>	Leaf id
<mgmtPort>	<Management interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface mgmt
<mgmtPort>
```

show health leaf interface portchannel

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface portchannel <portChan>

Description: Port channel interface

Syntax:

<leafId>	Leaf id
<portChan>	<Port channel number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface
portchannel <portChan>
```

show health leaf interface tunnel

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface tunnel <tunnelPort>

Description: Tunnel Interface

Syntax:

<leafId>	Leaf id
<tunnelPort>	<Tunnel interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface tunnel
 <tunnelPort>
```

show health leaf interface vethernet

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface vethernet <phyInt>

Description: vethernet ID

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> interface vethernet
 <phyInt>
```

show health leaf inventory chassis

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory chassis

Description: Show inventory chassis information

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory chassis
```

show health leaf inventory fans

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory fans <ftSlot>

Description: Show inventory fan information

Syntax:

<leafId>	Leaf id
<ftSlot>	pls enter fan tray number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory fans
<ftSlot>
```

show health leaf inventory module

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory module
 <lcSlot>
```

show health leaf inventory module fabricport

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory module <lcSlot> fabricport <fabPort>

Description: Show information for fabric port

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number
<fabPort>	pls enter the fabric port number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory module
 <lcSlot> fabricport <fabPort>
```

show health leaf inventory module leafport

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory module <lcSlot> leafport <leafPort>

Description: Show information for leaf port

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number
<leafPort>	pls enter the leaf port number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory module
 <lcSlot> leafport <leafPort>
```

show health leaf inventory powersupply

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory powersupply <psuSlot>

Description: Show inventory power supply information

Syntax:

<leafId>	Leaf id
<psuSlot>	pls enter the powersupply number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory
powersupply <psuSlot>
```

show health leaf inventory supervisor

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory supervisor <supMod>

Description: Show information for supervisor module

Syntax:

<leafId>	Leaf id
<supMod>	pls enter the supervisor module number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> inventory supervisor
 <supMod>
```

show health leaf protocol

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> protocol <protName>

Description: Show command for protocol

Syntax:

<leafId>	Leaf id
<protName>	Protocol name

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> protocol <protName>
```

show health leaf vpc

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> vpc <vpcPort>

Description: Virtual port channel information

Syntax:

<leafId>	Leaf id
<vpcPort>	pls enter virtual port channel number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> vpc <vpcPort>
```

show health leaf vrf

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> vrf <vrfPort>

Description: Vrf information

Syntax:

<leafId>	Leaf id
<vrfPort>	pls enter vrf name

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] leaf <leafId> vrf <vrfPort>
```

show health spine

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId>

Description: Show command for spine

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId>
```

show health spine interface ethernet

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> interface ethernet <phyInt>

Description: Ethernet IEEE 802.3z

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> interface ethernet
 <phyInt>
```

show health spine interface l3instance

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> interface l3instance <l3Inst>

Description: L3 instance

Syntax:

<leafId>	Leaf id
<l3Inst>	<L3 instance number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> interface
l3instance <l3Inst>
```

show health spine interface mgmt

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> interface mgmt <mgmtPort>

Description: Management interface

Syntax:

<leafId>	Leaf id
<mgmtPort>	<Management interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> interface mgmt
<mgmtPort>
```

show health spine interface tunnel

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> interface tunnel <tunnelPort>

Description: Tunnel Interface

Syntax:

<leafId>	Leaf id
<tunnelPort>	<Tunnel interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> interface tunnel
 <tunnelPort>
```

show health spine inventory chassis

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory chassis

Description: Show inventory chassis information

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory chassis
```

show health spine inventory fabric

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory fabric <fcMod>

Description: Show information for fabric module

Syntax:

<leafId>	Leaf id
<fcMod>	pls enter the fabric module number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory fabric
 <fcMod>
```

show health spine inventory fans

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory fans <ftSlot>

Description: Show inventory fan information

Syntax:

<leafId>	Leaf id
<ftSlot>	pls enter fan tray number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory fans
<ftSlot>
```

show health spine inventory module

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory module
 <lcSlot>
```

show health spine inventory module fabricport

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory module <lcSlot> fabricport <fabPort>

Description: Show information for fabric port

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number
<fabPort>	pls enter the fabric port number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory module
 <lcSlot> fabricport <fabPort>
```

show health spine inventory powersupply

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory powersupply <psuSlot>

Description: Show inventory power supply information

Syntax:

<leafId>	Leaf id
<psuSlot>	pls enter the powersupply number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory
powersupply <psuSlot>
```

show health spine inventory supervisor

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory supervisor <supMod>

Description: Show information for supervisor module

Syntax:

<leafId>	Leaf id
<supMod>	pls enter the supervisor module number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory
supervisor <supMod>
```

show health spine inventory system

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory system <sysMod>

Description: Show information for system module

Syntax:

<leafId>	Leaf id
<sysMod>	pls enter the system module number

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> inventory system
 <sysMod>
```

show health spine protocol

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> protocol <protName>

Description: Show command for protocol

Syntax:

<leafId>	Leaf id
<protName>	Protocol name

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> protocol <protName>
```

show health spine vrf

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> vrf <vrfPort>

Description: Vrf information

Syntax:

<leafId>	Leaf id
<vrfPort>	pls enter vrf name

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] spine <leafId> vrf <vrfPort>
```

show health tenant

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD

Description: Show Tenants Information

Syntax:

| *WORD* | Name of the tenant to filter on (Max Size 63) |

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD
```

show health tenant application

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD application WORD

Description: Show Application Profiles Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD application WORD
```

show health tenant application epg

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD application WORD epg WORD

Description: Show Application EPG Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD application WORD
epg WORD
```

show health tenant bridge-domain

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD
```

show health tenant bridge-domain detail

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD
 detail
```

show health tenant bridge-domain first-hop-security binding-table

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD
 first-hop-security binding-table
```

show health tenant bridge-domain first-hop-security statistics arp

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD
 first-hop-security statistics arp
```

show health tenant bridge-domain first-hop-security statistics dhcpv4

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD
 first-hop-security statistics dhcpv4
```

show health tenant bridge-domain first-hop-security statistics dhcpv6

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD
 first-hop-security statistics dhcpv6
```

show health tenant bridge-domain first-hop-security statistics neighbor-discovery

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD bridge-domain WORD
 first-hop-security statistics neighbor-discovery
```

show health tenant dnsservergroup

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD dnsservergroup WORD

Description: Show Dns Server Group Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD dnsservergroup WORD
```

show health tenant dnsservergroup server

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD dnsservergroup WORD server WORD

Description: Show Dns Server Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD dnsservergroup WORD
 server WORD
```

show health tenant dnsservergroup server domain

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD dnsservergroup WORD server WORD domain WORD

Description: Show Dns Domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)
WORD	Domain we eventually want to filter on (Max Size 512)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD dnsservergroup WORD
 server WORD domain WORD
```

show health tenant interface bridge-domain

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface
bridge-domain WORD
```

show health tenant interface bridge-domain detail

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface
bridge-domain WORD detail
```

show health tenant interface bridge-domain first-hop-security binding-table

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] **tenant WORD interface bridge-domain WORD first-hop-security binding-table**

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface
bridge-domain WORD first-hop-security binding-table
```

show health tenant interface bridge-domain first-hop-security statistics arp

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface
bridge-domain WORD first-hop-security statistics arp
```

show health tenant interface bridge-domain first-hop-security statistics dhcpv4

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface
bridge-domain WORD first-hop-security statistics dhcpv4
```

show health tenant interface bridge-domain first-hop-security statistics dhcpv6

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface
bridge-domain WORD first-hop-security statistics dhcpv6
```

show health tenant interface bridge-domain first-hop-security statistics neighbor-discovery

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD interface
bridge-domain WORD first-hop-security statistics neighbor-discovery
```

show health tenant multicast-route-maps

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD multicast-route-maps

Description: Show multicast route-maps per Tenant

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD multicast-route-maps
```

show health tenant vrf

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD

Description: Show VRF Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD
```

show health tenant vrf acllog l2

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD acllog <permitDrop> l2 flow vlan <NUMBER> srcintf <srcintf>

Description: L2 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flowi stats
vlan	vlan info
<vlan>	<vlan>. Number range from=0 to=9223372036854775807
srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD acllog
<permitDrop> l2 flow vlan <NUMBER> srcintf <srcintf>
```

show health tenant vrf acllog l3

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD acllog <permitDrop> l3 flow srcpctag <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname> dstepgname <dstepgname> srcip <A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto <proto> srcport <srcport> dstport <dstport> srcintf <srcintf>

Description: L3 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flow stats
srcpctag	source pc tag
<srcpctag>	<srcpctag>
dstpctag	destination pc tag
<dstpctag>	<dstpctag>
srcepgname	source epg name
<srcepgname>	<srcepgname>
dstepgname	destination epg name
<dstepgname>	<dstepgname>
srcip	source ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
dstip	destination ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
proto	protocol
<proto>	<proto>
srcport	source port
<srcport>	<srcport>
dstport	destination port
<dstport>	<dstport>

srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD acllog
<permitDrop> l3 flow srcpctag <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname>
dstepgname <dstepgname> srcip <A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto <proto>
 srcport <srcport> dstport <dstport> srcintf <srcintf>
```

show health tenant vrf detail

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD detail

Description: Show detailed view of VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD detail
```

show health tenant vrf external-l3 bgp

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 bgp

Description: Show command for BGP peers

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 bgp
```

show health tenant vrf external-l3 bgp node

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 bgp node <101-4000>

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<101-4000>	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 bgp node <101-4000>
```

show health tenant vrf external-l3 eigrp

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 eigrp

Description: Show external l3 EIGRP

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 eigrp
```

show health tenant vrf external-l3 eigrp detail

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 eigrp detail

Description: Show interanl details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 eigrp detail
```

show health tenant vrf external-l3 epg

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 epg <epgName>

Description: Show command for external-l3 epgs

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 epg <epgName>
```

show health tenant vrf external-l3 epg detail

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 epg <epgName> detail

Description: external-l3 epg in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 epg <epgName> detail
```

show health tenant vrf external-l3 interfaces

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 interfaces

Description: Show tenant <tenant> vrf <vrf> external l3 interfaces

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 interfaces
```

show health tenant vrf external-l3 interfaces detail

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 interfaces detail

Description: Show interfaces details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 interfaces detail
```

show health tenant vrf external-l3 ospf

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 ospf

Description: Show command for IPv4 and IPv6 external l3 OSPF configuration

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 ospf
```

show health tenant vrf external-l3 ospf detail

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 ospf detail

Description: Show internal details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 ospf detail
```

show health tenant vrf external-l3 scale

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 scale

Description: scale command

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 scale
```

show health tenant vrf external-l3 scale detail

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 scale detail

Description: Show scale details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 scale detail
```

show health tenant vrf external-l3 static-route

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 static-route

Description: Show command for external-l3 static routes

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 static-route
```

show health tenant vrf external-l3 static-route detail

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 static-route detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 static-route detail
```

show health tenant vrf external-l3 static-route node

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 static-route node

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 static-route node
```

show health tenant vrf external-l3 static-route node detail

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3 static-route node detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD external-l3
 static-route node detail
```

show health tenant vrf ipv6multicast

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD ipv6multicast

Description: Show ipv6 multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD ipv6multicast
```

show health tenant vrf multicast

show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD multicast

Description: Show multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show health [history] [min-change <NUMBER>] [max-hs <NUMBER>] [start-time
<YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] tenant WORD vrf WORD multicast
```

show inband-mgmt

show inband-mgmt

Description: Show inband mgmt epgs on all the nodes

Command Mode: exec : Exec Mode

Command Path:

```
# show inband-mgmt
```

show inband-mgmt controller

show inband-mgmt controller <controller-id> [epg <WORD>]

Description: show inband mgmt epgs on the controller

Syntax:

<controller-id>	
WORD	(Optional) Epg Name of conusmer epg

Command Mode: exec : Exec Mode

Command Path:

```
# show inband-mgmt controller <controller-id> [epg <WORD>]
```

show inband-mgmt switch

show inband-mgmt switch <switch-id> [epg <WORD>]

Description: Show inband mgmt epgs on the node

Syntax:

<switch-id>	
WORD	(Optional) Epg Name

Command Mode: exec : Exec Mode

Command Path:

```
# show inband-mgmt switch <switch-id> [epg <WORD>]
```

show interface bridge-domain

show interface bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show interface bridge-domain WORD
```

show interface bridge-domain detail

show interface bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show interface bridge-domain WORD detail
```

show interface bridge-domain first-hop-security binding-table

show interface bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show interface bridge-domain WORD first-hop-security binding-table
```

show interface bridge-domain first-hop-security statistics arp

show interface bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show interface bridge-domain WORD first-hop-security statistics arp
```

show interface bridge-domain first-hop-security statistics dhcpv4

show interface bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show interface bridge-domain WORD first-hop-security statistics dhcpv4
```

show interface bridge-domain first-hop-security statistics dhcpv6

show interface bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show interface bridge-domain WORD first-hop-security statistics dhcpv6
```

show interface bridge-domain first-hop-security statistics neighbor-discovery

show interface bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show interface bridge-domain WORD first-hop-security statistics neighbor-discovery
```

show ip interface bridge-domain

show ip interface bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show ip interface bridge-domain WORD
```

show ipv6 interface bridge-domain

show ipv6 interface bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show ipv6 interface bridge-domain WORD
```

show l4l7-cluster

show l4l7-cluster [tenant <Tenant Name>] [cluster <Device Cluster Name>]

Description: Show L4 L7 Device information

Syntax:

Tenant Name	(Optional) Name of Tenant
Device Cluster Name	(Optional) Name of Device

Command Mode: exec : Exec Mode

Command Path:

```
# show l4l7-cluster [tenant <Tenant Name>] [cluster <Device Cluster Name>]
```

show l4l7-graph

show l4l7-graph [tenant <Tenant Name>] [graph <Graph Name>]

Description: Show L4 L7 Graph information

Syntax:

<Tenant Name>	(Optional) Name of Tenant
<Graph Name>	(Optional) Name of Graph

Command Mode: exec : Exec Mode

Command Path:

```
# show l4l7-graph [tenant <Tenant Name>] [graph <Graph Name>]
```

show l4l7-package

show l4l7-package

Description: Show L4-L7 package information

Command Mode: exec : Exec Mode

Command Path:

```
# show l4l7-package
```

show ldap-server

show ldap-server

Description: Show LDAP server information

Command Mode: exec : Exec Mode

Command Path:

```
# show ldap-server
```

show license all

show license all

Description: Show license all

Command Mode: exec : Exec Mode

Command Path:

```
# show license all
```

show license catalog

show license catalog

Description: Show license catalog

Command Mode: exec : Exec Mode

Command Path:

```
# show license catalog
```

show license hostname

show license hostname privacy

Description: Show license hostname

Syntax:

privacy	privacy

Command Mode: exec : Exec Mode

Command Path:

```
# show license hostname privacy
```

show license status

show license status

Description: Show license status

Command Mode: exec : Exec Mode

Command Path:

```
# show license status
```

show license summary

show license summary

Description: Show license summary

Command Mode: exec : Exec Mode

Command Path:

```
# show license summary
```

show license tech

show license tech support

Description: Show license tech support

Syntax:

support	techsupport

Command Mode: exec : Exec Mode

Command Path:

```
# show license tech support
```

show license transport-mode

show license transport-mode

Description: Displaying smart licensing transport mode

Command Mode: exec : Exec Mode

Command Path:

```
# show license transport-mode
```

show license udi

show license udi

Description: Display device udi

Command Mode: exec : Exec Mode

Command Path:

```
# show license udi
```

show license usage

show license usage

Description: Show license usage

Command Mode: exec : Exec Mode

Command Path:

```
# show license usage
```

show lldp

show lldp

Description: Show lldp neighbor information

Command Mode: exec : Exec Mode

Command Path:

```
# show lldp
```

show locator-led

show locator-led status

Description: Show command for locator-led

Syntax:

status	locator-led status

Command Mode: exec : Exec Mode

Command Path:

```
# show locator-led status
```

show locator-led status leaf

show locator-led status leaf

Description: Leaf to filter on

Syntax:

status	locator-led status
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show locator-led status leaf
```

show macsec interface

show macsec interface switch <101-4000>

Description: interface

Syntax:

switch	switch
<101-4000>	switch ID

Command Mode: exec : Exec Mode

Command Path:

```
# show macsec interface switch <101-4000>
```

show macsec policy

show macsec policy <WORD>

Description: Show macsec policies

Syntax:

WORD	Node Number (Max Size 4000). Number range from=0 to=9223372036854775807

Command Mode: exec : Exec Mode

Command Path:

```
# show macsec policy <WORD>
```

show microsoft domain

show microsoft domain

Description: Show Microsoft domain information

Command Mode: exec : Exec Mode

Command Path:

```
# show microsoft domain
```

show microsoft domain name

show microsoft domain name <WORD>

Description: Microsoft domain name

Syntax:

WORD	Microsoft domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show microsoft domain name <WORD>
```

show microsoft domain name hyperv

show microsoft domain name <WORD> hyperv <WORD>

Description: Show Microsoft Hypervisor information

Syntax:

WORD	Microsoft domain name
WORD	HyperV hostname

Command Mode: exec : Exec Mode

Command Path:

```
# show microsoft domain name <WORD> hyperv <WORD>
```

show microsoft domain name port-group

show microsoft domain name <WORD> port-group

Description: Show Microsoft port group information

Syntax:

WORD	Microsoft domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show microsoft domain name <WORD> port-group
```

show microsoft domain name scvmm

show microsoft domain name <WORD> scvmm <hostname|ip>

Description: Show Microsoft SCVMM information

Syntax:

WORD	Microsoft domain name
<hostname|ip>	SCVMM hostname or IP

Command Mode: exec : Exec Mode

Command Path:

```
# show microsoft domain name <WORD> scvmm <hostname|ip>
```

show microsoft domain name vm

show microsoft domain name <WORD> vm

Description: Show Microsoft VM information

Syntax:

WORD	Microsoft domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show microsoft domain name <WORD> vm
```

show microsoft domain name vm name

show microsoft domain name <WORD> vm name <WORD>

Description: Show detailed Microsoft VM information

Syntax:

WORD	Microsoft domain name
WORD	VM Name

Command Mode: exec : Exec Mode

Command Path:

```
# show microsoft domain name <WORD> vm name <WORD>
```

show microsoft vm

show microsoft vm [name <WORD>] [ip <A.B.C.D>] [mac <AA:BB:CC:DD:EE:FF>]

Description: Show Microsoft VM information

Syntax:

WORD	(Optional) Specify a VM name
A.B.C.D	(Optional) Specify a VM IP address
AA:BB:CC:DD:EE:FF	(Optional) Specify a VM MAC address

Command Mode: exec : Exec Mode

Command Path:

```
# show microsoft vm [name <WORD>] [ip <A.B.C.D>] [mac <AA:BB:CC:DD:EE:FF>]
```

show monitor access

show monitor access session session_name

Description: Show monitor session for access interfaces

Syntax:

session	session
session_name	session name

Command Mode: exec : Exec Mode

Command Path:

```
# show monitor access session session_name
```

show monitor fabric

show monitor fabric session session_name

Description: Show monitor session for fabric interfaces

Syntax:

session	session
session_name	session name

Command Mode: exec : Exec Mode

Command Path:

```
# show monitor fabric session session_name
```

show monitor summary

show monitor summary

Description: Show brief summary of all non-virtual monitor sessions

Command Mode: exec : Exec Mode

Command Path:

```
# show monitor summary
```

show monitor tenant

show monitor tenant <tenant_name> session session_name

Description: Show monitor session for tenant

Syntax:

tenant_name	tenant
session	session
session_name	session name

Command Mode: exec : Exec Mode

Command Path:

```
# show monitor tenant <tenant_name> session session_name
```

show monitor virtual

show monitor virtual session WORD

Description: Show monitor session for virtual switches

Syntax:

session	session
WORD	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show monitor virtual session WORD
```

show name-alias tenant

show name-alias tenant WORD

Description: Show corresponding tenants for Alias

Syntax:

WORD	Name of the tenant Alias to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show name-alias tenant WORD
```

show name-alias tenant acl

show name-alias tenant WORD acl WORD

Description: Show Acl Name for alias

Syntax:

WORD	Name of the tenant Alias to filter on (Max Size 63)
WORD	Name of the Acl Alias to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show name-alias tenant WORD acl WORD
```

show name-alias tenant application

show name-alias tenant WORD application WORD

Description: Show Application Name for alias

Syntax:

WORD	Name of the tenant Alias to filter on (Max Size 63)
WORD	Name of the application Alias to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show name-alias tenant WORD application WORD
```

show name-alias tenant application epg

show name-alias tenant WORD application WORD epg WORD

Description: Show EndPoint Group Name for alias

Syntax:

WORD	Name of the tenant Alias to filter on (Max Size 63)
WORD	Name of the application Alias to filter on (Max Size 64)
WORD	Name of the epg Alias to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show name-alias tenant WORD application WORD epg WORD
```

show name-alias tenant bridge-domain

show name-alias tenant WORD bridge-domain WORD

Description: Show Bridge-Domain Name for alias

Syntax:

WORD	Name of the tenant Alias to filter on (Max Size 63)
WORD	Name of the bridge-domain Alias to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show name-alias tenant WORD bridge-domain WORD
```

show name-alias tenant contract

show name-alias tenant WORD contract WORD

Description: Show Contract Name for alias

Syntax:

WORD	Name of the tenant Alias to filter on (Max Size 63)
WORD	Name of the contract Alias to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show name-alias tenant WORD contract WORD
```

show name-alias tenant contract subject

show name-alias tenant WORD contract WORD subject WORD

Description: Show Subject Name for alias

Syntax:

WORD	Name of the tenant Alias to filter on (Max Size 63)
WORD	Name of the contract Alias to filter on (Max Size 64)
WORD	Name of the Subject Alias to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show name-alias tenant WORD contract WORD subject WORD
```

show name-alias tenant l3out

show name-alias tenant WORD l3out WORD

Description: Show L3out Name for alias

Syntax:

WORD	Name of the tenant Alias to filter on (Max Size 63)
WORD	Name of the L3out Alias to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show name-alias tenant WORD l3out WORD
```

show name-alias tenant vrf

show name-alias tenant WORD vrf WORD

Description: Show Vrf Name for alias

Syntax:

WORD	Name of the tenant Alias to filter on (Max Size 63)
WORD	Name of the vrf Alias to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show name-alias tenant WORD vrf WORD
```

show ntpq

show ntpq

Description: Show ntpq information

Command Mode: exec : Exec Mode

Command Path:

```
# show ntpq
```

show oob-mgmt

show oob-mgmt

Description: Show Out of band Information

Command Mode: exec : Exec Mode

Command Path:

```
# show oob-mgmt
```

show oob-mgmt controller

show oob-mgmt controller <controller-id> [epg <WORD>]

Description: Show oob mgmt epgs on the controller, enter one

Syntax:

<controller-id>	
WORD	(Optional) Epg Name of conusmer epg

Command Mode: exec : Exec Mode

Command Path:

```
# show oob-mgmt controller <controller-id> [epg <WORD>]
```

show oob-mgmt switch

show oob-mgmt switch <switch-id> [epg <WORD>]

Description: Show oob mgmt epgs on the node, enter one

Syntax:

<switch-id>	
WORD	(Optional) Epg Name of conusmer epg

Command Mode: exec : Exec Mode

Command Path:

```
# show oob-mgmt switch <switch-id> [epg <WORD>]
```

show pd-recovery status

show pd-recovery status

Description: Show policydist shard recovery from policymgr shards status

Command Mode: exec : Exec Mode

Command Path:

```
# show pd-recovery status
```

show policy-map

show policy-map

Description: Show policy maps

Command Mode: exec : Exec Mode

Command Path:

```
# show policy-map
```

show policy-map type data-plane

show policy-map type data-plane infra WORD [stats]

Description: Data-plane type policy-map(s)

Syntax:

infra	Global data-plane policy-map(s)
WORD	data-plane type policy-map(s) (Max Size 64)
stats	(Optional) Data-Plane Policer Statistics, where available

Command Mode: exec : Exec Mode

Command Path:

```
# show policy-map type data-plane infra WORD [stats]
```

show policy-map type qos

show policy-map type qos WORD

Description: QOS type policy-map(s)

Syntax:

WORD	QOS type policy-map(s) (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show policy-map type qos WORD
```

show port-channel leaf

show port-channel leaf WORD <port-channel-list>

Description: Show leaf port-channel info

Syntax:

WORD	Leaf Range or Leaf Name List
<port-channel-list>	port channel names

Command Mode: exec : Exec Mode

Command Path:

```
# show port-channel leaf WORD <port-channel-list>
```

show port-channel map

show port-channel map <port-channel-list>

Description: Show port-channel mapping

Syntax:

<port-channel-list>	port channel names

Command Mode: exec : Exec Mode

Command Path:

```
# show port-channel map <port-channel-list>
```

show port-channel map leaf

show port-channel map <port-channel-list> leaf WORD [fex <101-199>]

Description: Leaf

Syntax:

<port-channel-list>	port channel names
WORD	Leaf Range or Leaf Name List
<101-199>	(Optional) Fex ID

Command Mode: exec : Exec Mode

Command Path:

```
# show port-channel map <port-channel-list> leaf WORD [fex <101-199>]
```

show pwd-rules

show pwd-rules

Description: Show Password Rules

Command Mode: exec : Exec Mode

Command Path:

```
# show pwd-rules
```

show quota

show quota

Description: Show Quotas Information

Command Mode: exec : Exec Mode

Command Path:

```
# show quota
```

show radius-server

show radius-server

Description: Show RADIUS server information

Command Mode: exec : Exec Mode

Command Path:

```
# show radius-server
```

show redhat domain

show redhat domain

Description: Show Redhat domain information

Command Mode: exec : Exec Mode

Command Path:

```
# show redhat domain
```

show redhat domain name

show redhat domain name <name>

Description: Redhat domain name

Syntax:

<name>	Redhat domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show redhat domain name <name>
```

show redhat domain name epg

show redhat domain name <name> epg

Description: Show Redhat domain EPG details

Syntax:

<name>	Redhat domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show redhat domain name <name> epg
```

show redhat domain name rhev

show redhat domain name <name> rhev <hostname|ip>

Description: RHEV ip or hostname

Syntax:

<name>	Redhat domain name
<hostname|ip>	rhev hostname or IP

Command Mode: exec : Exec Mode

Command Path:

```
# show redhat domain name <name> rhev <hostname|ip>
```

show resource

show resource conflict encap-vlan

Description: Show resource information

Syntax:

conflict	show resource conflicts in APIC
encap-vlan	show resource conflicts of encap-vlan in APIC

Command Mode: exec : Exec Mode

Command Path:

```
# show resource conflict encap-vlan
```

show resource conflict encap-vlan epg

show resource conflict encap-vlan epg <WORD>

Description: Epg Name

Syntax:

conflict	show resource conflicts in APIC
encap-vlan	show resource conflicts of encap-vlan in APIC
WORD	Epg Name

Command Mode: exec : Exec Mode

Command Path:

```
# show resource conflict encap-vlan epg <WORD>
```

show resource conflict encap-vlan epg node

show resource conflict encap-vlan epg <WORD> node <101-4000>

Description: Node ID

Syntax:

conflict	show resource conflicts in APIC
encap-vlan	show resource conflicts of encap-vlan in APIC
WORD	Epg Name
<101-4000>	Leaf ID

Command Mode: exec : Exec Mode

Command Path:

```
# show resource conflict encap-vlan epg <WORD> node <101-4000>
```

show role

show role

Description: Show information about AAA Roles

Command Mode: exec : Exec Mode

Command Path:

```
# show role
```

show rsa-server

show rsa-server

Description: Show RSA server information

Command Mode: exec : Exec Mode

Command Path:

```
# show rsa-server
```

show running-config

show running-config [all] <scope>

Description: Show running configuration

Syntax:

all	(Optional) Show running-config with defaults
<scope>	command scope

Command Mode: exec : Exec Mode

Command Path:

```
# show running-config [all] <scope>
```

show sessions

show sessions [id <log-id>] [action action<action-type>] [user <user-name>] [last-minutes <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] <scope>

Description: Show session-log information

Syntax:

<log-id>	(Optional) Log ID
action<action-type>	(Optional) Object action indicator
<user-name>	(Optional) Name of user
<num-minutes>	(Optional) Logs created in time interval. Number range from=1 to=59
<num-hours>	(Optional) Logs created in time interval. Number range from=1 to=23
<num-days>	(Optional) Logs created in time interval. Number range from=1 to=999
<YYYY-MM-DDTHR:MIN:SEC>	(Optional) Logs created in time interval
end-time <YYYY-MM-DDTHR:MIN:SEC>	(Optional) Logs created in time interval
detail	(Optional) Detailed session-log information. Displays the action trigger that shows why a login occurred.
<scope>	command scope

Command Mode: exec : Exec Mode

Command Path:

```
# show sessions [id <log-id>] [action action<action-type>] [user <user-name>] [last-minutes
 <NUMBER>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>]
 [end-time end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] <scope>
```

show sessions controller

show sessions [id <log-id>] [action <action-type>] [user <user-name>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] controller

Description: Show controller information

Command Mode: exec : Exec Mode

Command Path:

```
# show sessions [id <log-id>] [action <action-type>] [user <user-name>] [last-hours <NUMBER>]
 [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>]
 [detail] controller
```

show sessions controller detail

show sessions [id <log-id>] [action <action-type>] [user <user-name>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] controller detail [id <node-id>]

Description: Detailed controller information

Syntax:

node-id	(Optional) Optional Serial number

Command Mode: exec : Exec Mode

Command Path:

```
# show sessions [id <log-id>] [action <action-type>] [user <user-name>] [last-hours <NUMBER>]
 [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>]
 [detail] controller detail [id <node-id>]
```

show sessions leaf

show sessions [id <log-id>] [action <action-type>] [user <user-name>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] leaf <leafId>

Description: Show command for leaf

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show sessions [id <log-id>] [action <action-type>] [user <user-name>] [last-hours <NUMBER>]
 [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>]
 [detail] leaf <leafId>
```

show sessions spine

show sessions [id <log-id>] [action <action-type>] [user <user-name>] [last-hours <NUMBER>] [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>] [detail] spine <leafId>

Description: Show command for spine

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show sessions [id <log-id>] [action <action-type>] [user <user-name>] [last-hours <NUMBER>]
 [last-days <NUMBER>] [start-time <YYYY-MM-DDTHR:MIN:SEC>] [end-time <YYYY-MM-DDTHR:MIN:SEC>]
 [detail] spine <leafId>
```

show snapshot active

show snapshot active job

Description: Show command for active snapshot job

Syntax:

job	View active snapshot job

Command Mode: exec : Exec Mode

Command Path:

```
# show snapshot active job
```

show snapshot files

show snapshot files

Description: Show command for snapshot files

Command Mode: exec : Exec Mode

Command Path:

```
# show snapshot files
```

show snapshot jobs

show snapshot jobs <WORD>

Description: Show command for snapshot jobs

Syntax:

WORD	Snapshot policy name

Command Mode: exec : Exec Mode

Command Path:

```
# show snapshot jobs <WORD>
```

show snmp

show snmp [policy <policy>]

Description: Show snmp policy information

Syntax:

policy	(Optional) SNMP policy name

Command Mode: exec : Exec Mode

Command Path:

```
# show snmp [policy <policy>]
```

show snmp clientgroups

show snmp [policy <policy>] clientgroups

Description: Show snmp client group policies

Syntax:

policy	(Optional) SNMP policy name

Command Mode: exec : Exec Mode

Command Path:

```
# show snmp [policy <policy>] clientgroups
```

show snmp community

show snmp [policy <policy>] community

Description: Show snmp community information

Syntax:

policy	(Optional) SNMP policy name

Command Mode: exec : Exec Mode

Command Path:

```
# show snmp [policy <policy>] community
```

show snmp engineid

show snmp [policy <policy>] engineid

Description: Show snmp v3 engine-id

Syntax:

policy	(Optional) SNMP policy name

Command Mode: exec : Exec Mode

Command Path:

```
# show snmp [policy <policy>] engineid
```

show snmp hosts

show snmp [policy <policy>] hosts

Description: Show snmp trap hosts

Syntax:

policy	(Optional) SNMP policy name

Command Mode: exec : Exec Mode

Command Path:

```
# show snmp [policy <policy>] hosts
```

show snmp summary

show snmp [policy <policy>] summary

Description: Show snmp summary

Syntax:

policy	(Optional) SNMP policy name

Command Mode: exec : Exec Mode

Command Path:

```
# show snmp [policy <policy>] summary
```

show snmp users

show snmp [policy <policy>] users

Description: Show snmp v3 users

Syntax:

policy	(Optional) SNMP policy name

Command Mode: exec : Exec Mode

Command Path:

```
# show snmp [policy <policy>] users
```

show stats

show stats granularity <granularity-value> [history] [cumulative] tenant|leaf|spine

Description: Show statistics

Syntax:

granularity	Choose granularity value
<granularity-value>	<granularity-value>
history	(Optional) historical stats information
cumulative	(Optional) cumulative stats information
tenant	command scope
leaf	command scope
spine	command scope

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant|leaf|spine
```

show stats granularity communication controller

show stats granularity <granularity-value> [history] [cumulative] communication controller node-id

Description: Show command for nginx web-requests

Syntax:

| *node-id* | node-id |

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] communication controller
 node-id
```

show stats granularity leaf

show stats granularity \<granularity-value\> [history] [cumulative] leaf \<leafId\>

Description: Show command for leaf

Syntax:

\<leafId\>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId>
```

show stats granularity leaf fex

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> fex <fexNum>

Description: Show extended chassis information

Syntax:

<leafId>	Leaf id
<fexNum>	pls enter fex number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> fex
<fexNum>
```

show stats granularity leaf fex module

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> fex <fexNum> module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<fexNum>	pls enter fex number
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> fex
<fexNum> module <lcSlot>
```

show stats granularity leaf interface ethernet

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface ethernet <phyInt>

Description: Ethernet IEEE 802.3z

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface
 ethernet <phyInt>
```

show stats granularity leaf interface fc

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface fc <phyInt>

Description: Fibre Channel Protocol

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface
 fc <phyInt>
```

show stats granularity leaf interface fcportchannel

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface fcportchannel <portChan>

Description: FC Port channel interface

Syntax:

<leafId>	Leaf id
<portChan>	<Port channel number>

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface
 fcportchannel <portChan>
```

show stats granularity leaf interface mgmt

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface mgmt <mgmtPort>

Description: Management interface

Syntax:

<leafId>	Leaf id
<mgmtPort>	<Management interface number>

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface
 mgmt <mgmtPort>
```

show stats granularity leaf interface portchannel

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface portchannel <portChan>

Description: Port channel interface

Syntax:

<leafId>	Leaf id
<portChan>	<Port channel number>

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface
 portchannel <portChan>
```

show stats granularity leaf interface vethernet

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface vethernet <phyInt>

Description: vethernet ID

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> interface
 vethernet <phyInt>
```

show stats granularity leaf inventory chassis

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> inventory chassis

Description: Show inventory chassis information

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> inventory
 chassis
```

show stats granularity leaf inventory fans

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> inventory fans <ftSlot>

Description: Show inventory fan information

Syntax:

<leafId>	Leaf id
<ftSlot>	pls enter fan tray number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> inventory
 fans <ftSlot>
```

show stats granularity leaf inventory powersupply

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> inventory powersupply <psuSlot>

Description: Show inventory power supply information

Syntax:

<leafId>	Leaf id
<psuSlot>	pls enter the powersupply number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> inventory
 powersupply <psuSlot>
```

show stats granularity leaf inventory supervisor

show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> inventory supervisor <supMod>

Description: Show information for supervisor module

Syntax:

<leafId>	Leaf id
<supMod>	pls enter the supervisor module number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] leaf <leafId> inventory
 supervisor <supMod>
```

show stats granularity spine

show stats granularity <granularity-value> [history] [cumulative] spine <leafId>

Description: Show command for spine

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] spine <leafId>
```

show stats granularity spine interface ethernet

show stats granularity <granularity-value> [history] [cumulative] spine <leafId> interface ethernet <phyInt>

Description: Ethernet IEEE 802.3z

Syntax:

<leafId>	Leaf id
<phyInt>	<slot or chassis-number/port or slot number>

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] spine <leafId> interface
 ethernet <phyInt>
```

show stats granularity spine interface mgmt

show stats granularity <granularity-value> [history] [cumulative] spine <leafId> interface mgmt <mgmtPort>

Description: Management interface

Syntax:

| *<leafId>* | Leaf id |
| *<mgmtPort>* | <Management interface number> |

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] spine <leafId> interface
 mgmt <mgmtPort>
```

show stats granularity spine inventory chassis

show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory chassis

Description: Show inventory chassis information

Syntax:

<leafId>	Leaf id

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory
 chassis
```

show stats granularity spine inventory fabric

show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory fabric <fcMod>

Description: Show information for fabric module

Syntax:

<leafId>	Leaf id
<fcMod>	pls enter the fabric module number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory
 fabric <fcMod>
```

show stats granularity spine inventory fans

show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory fans <ftSlot>

Description: Show inventory fan information

Syntax:

<leafId>	Leaf id
<ftSlot>	pls enter fan tray number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory
 fans <ftSlot>
```

show stats granularity spine inventory module

show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory module <lcSlot>

Description: Show inventory module information

Syntax:

<leafId>	Leaf id
<lcSlot>	please enter the module number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory
 module <lcSlot>
```

show stats granularity spine inventory powersupply

show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory powersupply <psuSlot>

Description: Show inventory power supply information

Syntax:

<leafId>	Leaf id
<psuSlot>	pls enter the powersupply number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory
 powersupply <psuSlot>
```

show stats granularity spine inventory supervisor

show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory supervisor <supMod>

Description: Show information for supervisor module

Syntax:

<leafId>	Leaf id
<supMod>	pls enter the supervisor module number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory
 supervisor <supMod>
```

show stats granularity spine inventory system

show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory system <sysMod>

Description: Show information for system module

Syntax:

<leafId>	Leaf id
<sysMod>	pls enter the system module number

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] spine <leafId> inventory
 system <sysMod>
```

show stats granularity tenant

show stats granularity <granularity-value> [history] [cumulative] tenant WORD

Description: Show Tenants Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD
```

show stats granularity tenant application

show stats granularity <granularity-value> [history] [cumulative] tenant WORD application WORD

Description: Show Application Profiles Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD application
  WORD
```

show stats granularity tenant application epg

show stats granularity <granularity-value> [history] [cumulative] tenant WORD application WORD epg WORD

Description: Show Application EPG Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD application
 WORD epg WORD
```

show stats granularity tenant dnsservergroup

show stats granularity <granularity-value> [history] [cumulative] tenant WORD dnsservergroup WORD

Description: Show Dns Server Group Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD dnsservergroup
 WORD
```

show stats granularity tenant dnsservergroup server

show stats granularity <granularity-value> [history] [cumulative] tenant WORD dnsservergroup WORD server WORD

Description: Show Dns Server Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD dnsservergroup
 WORD server WORD
```

show stats granularity tenant dnsservergroup server domain

show stats granularity <granularity-value> [history] [cumulative] tenant WORD dnsservergroup WORD server WORD domain WORD

Description: Show Dns Domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)
WORD	Domain we eventually want to filter on (Max Size 512)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD dnsservergroup
 WORD server WORD domain WORD
```

show stats granularity tenant dot1q-tunnel

show stats granularity <granularity-value> [history] [cumulative] tenant WORD dot1q-tunnel WORD

Description: Show Dot1q-tunnel Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the TnlEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD dot1q-tunnel
 WORD
```

show stats granularity tenant multicast-route-maps

show stats granularity <granularity-value> [history] [cumulative] tenant WORD multicast-route-maps

Description: Show multicast route-maps per Tenant

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD
multicast-route-maps
```

show stats granularity tenant vrf

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD

Description: Show VRF Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
```

show stats granularity tenant vrf acllog l2

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD acllog <permitDrop> l2 flow vlan <NUMBER> srcintf <srcintf>

Description: L2 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flowi stats
vlan	vlan info
<vlan>	<vlan>. Number range from=0 to=9223372036854775807
srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
acllog <permitDrop> l2 flow vlan <NUMBER> srcintf <srcintf>
```

show stats granularity tenant vrf acllog l3

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD acllog <permitDrop> l3 flow srcpctag <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname> dstepgname <dstepgname> srcip <A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto <proto> srcport <srcport> dstport <dstport> srcintf <srcintf>

Description: L3 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flow stats
srcpctag	source pc tag
<srcpctag>	<srcpctag>
dstpctag	destination pc tag
<dstpctag>	<dstpctag>
srcepgname	source epg name
<srcepgname>	<srcepgname>
dstepgname	destination epg name
<dstepgname>	<dstepgname>
srcip	source ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
dstip	destination ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
proto	protocol
<proto>	<proto>
srcport	source port
<srcport>	<srcport>
dstport	destination port
<dstport>	<dstport>

srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
acllog <permitDrop> l3 flow srcpctag <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname>
 dstepgname <dstepgname> srcip <A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto
<proto> srcport <srcport> dstport <dstport> srcintf <srcintf>
```

show stats granularity tenant vrf detail

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD detail

Description: Show detailed view of VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
detail
```

show stats granularity tenant vrf external-l3 bgp

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 bgp

Description: Show command for BGP peers

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 bgp
```

show stats granularity tenant vrf external-l3 bgp node

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 bgp node <101-4000>

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<101-4000>	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 bgp node <101-4000>
```

show stats granularity tenant vrf external-l3 eigrp

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 eigrp

Description: Show external l3 EIGRP

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 eigrp
```

show stats granularity tenant vrf external-l3 eigrp detail

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 eigrp detail

Description: Show interanl details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 eigrp detail
```

show stats granularity tenant vrf external-l3 epg

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 epg <epgName>

Description: Show command for external-l3 epgs

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 epg <epgName>
```

show stats granularity tenant vrf external-l3 epg detail

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 epg <epgName> detail

Description: external-l3 epg in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 epg <epgName> detail
```

show stats granularity tenant vrf external-l3 interfaces

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 interfaces

Description: Show tenant <tenant> vrf <vrf> external l3 interfaces

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 interfaces
```

show stats granularity tenant vrf external-l3 interfaces detail

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 interfaces detail

Description: Show interfaces details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 interfaces detail
```

show stats granularity tenant vrf external-l3 ospf

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 ospf

Description: Show command for IPv4 and IPv6 external l3 OSPF configuration

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 ospf
```

show stats granularity tenant vrf external-l3 ospf detail

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 ospf detail

Description: Show internal details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 ospf detail
```

show stats granularity tenant vrf external-l3 scale

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 scale

Description: scale command

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 scale
```

show stats granularity tenant vrf external-l3 scale detail

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 scale detail

Description: Show scale details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 scale detail
```

show stats granularity tenant vrf external-l3 static-route

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 static-route

Description: Show command for external-l3 static routes

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 static-route
```

show stats granularity tenant vrf external-l3 static-route detail

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 static-route detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 static-route detail
```

show stats granularity tenant vrf external-l3 static-route node

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 static-route node

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 static-route node
```

show stats granularity tenant vrf external-l3 static-route node detail

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD external-l3 static-route node detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
external-l3 static-route node detail
```

show stats granularity tenant vrf ipv6multicast

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD ipv6multicast

Description: Show ipv6 multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
ipv6multicast
```

show stats granularity tenant vrf multicast

show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD multicast

Description: Show multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show stats granularity <granularity-value> [history] [cumulative] tenant WORD vrf WORD
multicast
```

show switch

show switch

Description: Show switch information

Command Mode: exec : Exec Mode

Command Path:

```
# show switch
```

show switch detail

show switch detail [id <switch-id>]

Description: Show switch detailed information

Syntax:

switch-id	(Optional) Optional switch id. Number range from=0 to=9223372036854775807

Command Mode: exec : Exec Mode

Command Path:

```
# show switch detail [id <switch-id>]
```

show tacacs-server

show tacacs-server

Description: Show tacacs server information

Command Mode: exec : Exec Mode

Command Path:

```
# show tacacs-server
```

show techsupport all

show techsupport all status

Description: Techsupport status for all

Syntax:

status	Status

Command Mode: exec : Exec Mode

Command Path:

```
# show techsupport all status
```

show techsupport controllers

show techsupport controllers status

Description: Techsupport status for controllers

Syntax:

status	Status

Command Mode: exec : Exec Mode

Command Path:

```
# show techsupport controllers status
```

show techsupport host

show techsupport host <NUMBER> status

Description: Techsupport status for host

Syntax:

<Odevid>	Specify the host Odev ID. Number range from=0 to=9223372036854775807
status	Status

Command Mode: exec : Exec Mode

Command Path:

```
# show techsupport host <NUMBER> status
```

show techsupport switch

show techsupport switch switchId <switchId> status

Description: Techsupport status for switch

Syntax:

switchId <switchId>	switch id 101-4000 or range(s): 101-103,104
status	Status

Command Mode: exec : Exec Mode

Command Path:

```
# show techsupport switch switchId <switchId> status
```

show tenant

show tenant WORD

Description: Show Tenants Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD
```

show tenant access-list

show tenant WORD access-list WORD

Description: Show Access-list Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the Contract to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD access-list WORD
```

show tenant application

show tenant WORD application WORD

Description: Show Application Profiles Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD
```

show tenant application endpoints

show tenant WORD application WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>]

Description: Show IP endpoints

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE
EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>]
```

show tenant application endpoints leaf interface ethernet

show tenant WORD application WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface ethernet ethernet [<fex>/]<slot>/<port>

Description: Show IP endpoints on an interface ethernet

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
ethernet [<fex>/]<slot>/<port>	Ethernet Range

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE
EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf
<WORD> interface ethernet ethernet [<fex>/]<slot>/<port>
```

show tenant application endpoints leaf interface port-channel

show tenant WORD application WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface port-channel <WORD> [fex <NUMBER>]

Description: Show IP endpoints on an interface port-channel

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE
EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf
<WORD> interface port-channel <WORD> [fex <NUMBER>]
```

show tenant application endpoints vpc

show tenant WORD application WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>]

Description: Show IP endpoints on vpc

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
context	VPC Context
WORD	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
WORD	VPC Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE
EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] vpc
context <WORD> <WORD> interface vpc <WORD> [fex <fex>]
```

show tenant application epg

show tenant WORD application WORD epg WORD

Description: Show Application EPG Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD epg WORD
```

show tenant application epg detail

show tenant WORD application WORD epg WORD detail

Description: Show detailed view of Application EPg

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD epg WORD detail
```

show tenant application epg endpoints

show tenant WORD application WORD epg WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>]

Description: Show IP endpoints

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD epg WORD endpoints [type <type>] [mac <E.E.E
EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6
 <A:B::C:D>]
```

show tenant application epg endpoints leaf interface ethernet

show tenant WORD application WORD epg WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface ethernet ethernet [<fex>/]<slot>/<port>

Description: Show IP endpoints on an interface ethernet

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
ethernet [<fex>/]<slot>/<port>	Ethernet Range

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD epg WORD endpoints [type <type>] [mac <E.E.E
EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6
 <A:B::C:D>] leaf <WORD> interface ethernet ethernet [<fex>/]<slot>/<port>
```

show tenant application epg endpoints leaf interface port-channel

show tenant **WORD** application **WORD** epg **WORD** endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface port-channel <WORD> [fex <NUMBER>]

Description: Show IP endpoints on an interface port-channel

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD epg WORD endpoints [type <type>] [mac <E.E.E
EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6
 <A:B::C:D>] leaf <WORD> interface port-channel <WORD> [fex <NUMBER>]
```

show tenant application epg endpoints vpc

show tenant WORD application WORD epg WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>]

Description: Show IP endpoints on vpc

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the application we eventually want to filter on (Max Size 64)
WORD	Name of the AEPG to filter on (Max Size 64)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
context	VPC Context
WORD	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
WORD	VPC Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD application WORD epg WORD endpoints [type <type>] [mac <E.E.E
EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6
 <A:B::C:D>] vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>]
```

show tenant bridge-domain

show tenant WORD bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD bridge-domain WORD
```

show tenant bridge-domain detail

show tenant WORD bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD bridge-domain WORD detail
```

show tenant bridge-domain first-hop-security binding-table

show tenant WORD bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD bridge-domain WORD first-hop-security binding-table
```

show tenant bridge-domain first-hop-security statistics arp

show tenant WORD bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD bridge-domain WORD first-hop-security statistics arp
```

show tenant bridge-domain first-hop-security statistics dhcpv4

show tenant WORD bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD bridge-domain WORD first-hop-security statistics dhcpv4
```

show tenant bridge-domain first-hop-security statistics dhcpv6

show tenant WORD bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD bridge-domain WORD first-hop-security statistics dhcpv6
```

show tenant bridge-domain first-hop-security statistics neighbor-discovery

show tenant WORD bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD bridge-domain WORD first-hop-security statistics neighbor-discovery
```

show tenant contract-type

show tenant WORD contract-type WORD

Description: Show Contracts Information Based on Type

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	whitelist (permit) or blacklist(deny) or oob-mgmt type of contract

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD contract-type WORD
```

show tenant contract

show tenant **WORD** contract **WORD**

Description: Show Contracts Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the Contract to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD contract WORD
```

show tenant detail

show tenant WORD detail

Description: Show detailed view of tenant

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD detail
```

show tenant dnsservergroup

show tenant WORD dnsservergroup WORD

Description: Show Dns Server Group Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD dnsservergroup WORD
```

show tenant dnsservergroup server

show tenant WORD dnsservergroup WORD server WORD

Description: Show Dns Server Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD dnsservergroup WORD server WORD
```

show tenant dnsservergroup server domain

show tenant WORD dnsservergroup WORD server WORD domain WORD

Description: Show Dns Domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the dns server group we eventually want to filter on (Max Size 16)
WORD	IP of server we eventually want to filter on (Max Size None)
WORD	Domain we eventually want to filter on (Max Size 512)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD dnsservergroup WORD server WORD domain WORD
```

show tenant dot1q-tunnel

show tenant WORD dot1q-tunnel WORD

Description: Show Dot1q-tunnel Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the TnlEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD dot1q-tunnel WORD
```

show tenant endpoints

show tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>]

Description: Show IP endpoints

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE
 EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>]
```

show tenant endpoints leaf interface ethernet

show tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface ethernet ethernet [<fex>/]<slot>/<port>

Description: Show IP endpoints on an interface ethernet

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
ethernet [<fex>/]<slot>/<port>	Ethernet Range

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE
 EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface
ethernet ethernet [<fex>/]<slot>/<port>
```

show tenant endpoints leaf interface port-channel

show tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface port-channel <WORD> [fex <NUMBER>]

Description: Show IP endpoints on an interface port-channel

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
WORD	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE
 EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] leaf <WORD> interface
port-channel <WORD> [fex <NUMBER>]
```

show tenant endpoints vpc

show tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>]

Description: Show IP endpoints on vpc

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
type	(Optional) Endpoint Type
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)
<1-4094>	(Optional) Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D	(Optional) IP Unicast address in format i.i.i.i
A:B::C:D	(Optional) IPv6 address in format xxxx:xxxx, xxxx::xx
context	VPC Context
WORD	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
WORD	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
WORD	VPC Name (Max Size 64)
fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD endpoints [type <type>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE
 EEEE.EEEE.EEEE >] [vlan <NUMBER>] [ip <A.B.C.D>] [ipv6 <A:B::C:D>] vpc context <WORD>
<WORD> interface vpc <WORD> [fex <fex>]
```

show tenant epg

show tenant WORD epg WORD

Description: Show Application EPG Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD epg WORD
```

show tenant epg detail

show tenant WORD epg WORD detail

Description: Show detailed view of Application EPg

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the AEPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD epg WORD detail
```

show tenant external-l2 epg

show tenant WORD external-l2 epg WORD

Description: Show command for external-l2 epgs

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the EPG to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD external-l2 epg WORD
```

show tenant interface bridge-domain

show tenant WORD interface bridge-domain WORD

Description: Show Bridge-domain Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD interface bridge-domain WORD
```

show tenant interface bridge-domain detail

show tenant WORD interface bridge-domain WORD detail

Description: Show Bridge-domain Detailed Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD interface bridge-domain WORD detail
```

show tenant interface bridge-domain first-hop-security binding-table

show tenant WORD interface bridge-domain WORD first-hop-security binding-table

Description: Show Bridge-domain Binding Table Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD interface bridge-domain WORD first-hop-security binding-table
```

show tenant interface bridge-domain first-hop-security statistics arp

show tenant WORD interface bridge-domain WORD first-hop-security statistics arp

Description: Show Bridge-domain First Hop Security ARP Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD interface bridge-domain WORD first-hop-security statistics arp
```

show tenant interface bridge-domain first-hop-security statistics dhcpv4

show tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv4

Description: Show Bridge-domain First Hop Security DHCPv4 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv4
```

show tenant interface bridge-domain first-hop-security statistics dhcpv6

show tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv6

Description: Show Bridge-domain First Hop Security DHCPv6 Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD interface bridge-domain WORD first-hop-security statistics dhcpv6
```

show tenant interface bridge-domain first-hop-security statistics neighbor-discovery

show tenant WORD interface bridge-domain WORD first-hop-security statistics neighbor-discovery

Description: Show Bridge-domain First Hop Security Neighbor Discovery Statistics

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD interface bridge-domain WORD first-hop-security statistics
neighbor-discovery
```

show tenant ip interface bridge-domain

show tenant WORD ip interface bridge-domain WORD

Description: Show command for IP properties on interface BD

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD ip interface bridge-domain WORD
```

show tenant ipv6 interface bridge-domain

show tenant WORD ipv6 interface bridge-domain WORD

Description: Show command for IP properties on interface BD

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the bridge-domain (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD ipv6 interface bridge-domain WORD
```

show tenant multicast-route-maps

show tenant WORD multicast-route-maps

Description: Show multicast route-maps per Tenant

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD multicast-route-maps
```

show tenant policy-map

show tenant WORD policy-map

Description: Show policy maps

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD policy-map
```

show tenant policy-map type data-plane

show tenant WORD policy-map type data-plane WORD [stats]

Description: Data-plane type policy-map(s)

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	data-plane type policy-map(s) (Max Size 64)
stats	(Optional) Data-Plane Policer Statistics, where available

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD policy-map type data-plane WORD [stats]
```

show tenant policy-map type qos

show tenant WORD policy-map type qos WORD

Description: QOS type policy-map(s)

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	QOS type policy-map(s) (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD policy-map type qos WORD
```

show tenant vrf

show tenant WORD vrf WORD

Description: Show VRF Information

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD
```

show tenant vrf acllog l2

show tenant WORD vrf WORD acllog <permitDrop> l2 flow vlan <NUMBER> srcintf <srcintf>

Description: L2 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flowi stats
vlan	vlan info
<vlan>	<vlan>. Number range from=0 to=9223372036854775807
srcintf	source interface
<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD acllog <permitDrop> l2 flow vlan <NUMBER> srcintf <srcintf>
```

show tenant vrf acllog l3

show tenant WORD vrf WORD acllog <permitDrop> l3 flow srcpctag <srcpctag> dstpctag <dstpctag> srcepgname <srcepgname> dstepgname <dstepgname> srcip <A.B.C.D or A:B::C:D> dstip <A.B.C.D or A:B::C:D> proto <proto> srcport <srcport> dstport <dstport> srcintf <srcintf>

Description: L3 flow stats

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
permitDrop	permitDrop
flow	flow stats
srcpctag	source pc tag
<srcpctag>	<srcpctag>
dstpctag	destination pc tag
<dstpctag>	<dstpctag>
srcepgname	source epg name
<srcepgname>	<srcepgname>
dstepgname	destination epg name
<dstepgname>	<dstepgname>
srcip	source ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
dstip	destination ip
A.B.C.D or A:B::C:D	IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx
proto	protocol
<proto>	<proto>
srcport	source port
<srcport>	<srcport>
dstport	destination port
<dstport>	<dstport>
srcintf	source interface

<srcintf>	<srcintf>

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD acllog <permitDrop> l3 flow srcpctag <srcpctag> dstpctag
<dstpctag> srcepgname <srcepgname> dstepgname <dstepgname> srcip <A.B.C.D or A:B::C:D> dstip
 <A.B.C.D or A:B::C:D> proto <proto> srcport <srcport> dstport <dstport> srcintf <srcintf>
```

show tenant vrf detail

show tenant WORD vrf WORD detail

Description: Show detailed view of VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD detail
```

show tenant vrf external-l3 bgp

show tenant WORD vrf WORD external-l3 bgp

Description: Show command for BGP peers

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 bgp
```

show tenant vrf external-l3 bgp node

show tenant WORD vrf WORD external-l3 bgp node <101-4000>

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<101-4000>	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 bgp node <101-4000>
```

show tenant vrf external-l3 eigrp

show tenant WORD vrf WORD external-l3 eigrp

Description: Show external l3 EIGRP

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 eigrp
```

show tenant vrf external-l3 eigrp detail

show tenant WORD vrf WORD external-l3 eigrp detail

Description: Show interanl details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 eigrp detail
```

show tenant vrf external-l3 epg

show tenant WORD vrf WORD external-l3 epg <epgName>

Description: Show command for external-l3 epgs

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 epg <epgName>
```

show tenant vrf external-l3 epg detail

show tenant WORD vrf WORD external-l3 epg <epgName> detail

Description: external-l3 epg in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<epgName>	Name of the EPG to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 epg <epgName> detail
```

show tenant vrf external-l3 interfaces

show tenant WORD vrf WORD external-l3 interfaces

Description: Show tenant <tenant> vrf <vrf> external l3 interfaces

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 interfaces
```

show tenant vrf external-l3 interfaces detail

show tenant WORD vrf WORD external-l3 interfaces detail

Description: Show interfaces details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 interfaces detail
```

show tenant vrf external-l3 ospf

show tenant WORD vrf WORD external-l3 ospf

Description: Show command for IPv4 and IPv6 external l3 OSPF configuration

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 ospf
```

show tenant vrf external-l3 ospf detail

show tenant WORD vrf WORD external-l3 ospf detail

Description: Show internal details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 ospf detail
```

show tenant vrf external-l3 route-map

show tenant WORD vrf WORD external-l3 route-map [name <l3out name>]

Description: Show command for external-l3 route-map

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<l3out name>	(Optional) Name of the route-map to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 route-map [name <l3out name>]
```

show tenant vrf external-l3 route-map detail

show tenant WORD vrf WORD external-l3 route-map [name <l3out name>] detail

Description: Show external-l3 route-map in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
<l3out name>	(Optional) Name of the route-map to filter on

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 route-map [name <l3out name>] detail
```

show tenant vrf external-l3 scale

show tenant WORD vrf WORD external-l3 scale

Description: scale command

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 scale
```

show tenant vrf external-l3 scale detail

show tenant WORD vrf WORD external-l3 scale detail

Description: Show scale details

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 scale detail
```

show tenant vrf external-l3 static-route

show tenant WORD vrf WORD external-l3 static-route

Description: Show command for external-l3 static routes

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 static-route
```

show tenant vrf external-l3 static-route detail

show tenant WORD vrf WORD external-l3 static-route detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 static-route detail
```

show tenant vrf external-l3 static-route node

show tenant WORD vrf WORD external-l3 static-route node

Description: node to filter on

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 static-route node
```

show tenant vrf external-l3 static-route node detail

show tenant WORD vrf WORD external-l3 static-route node detail

Description: static-route in detail with operational status

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)
arg	Leaf Range or Leaf Name List

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD external-l3 static-route node detail
```

show tenant vrf ipv6multicast

show tenant WORD vrf WORD ipv6multicast

Description: Show ipv6 multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD ipv6multicast
```

show tenant vrf multicast

show tenant WORD vrf WORD multicast

Description: Show multicast configuration per VRF

Syntax:

WORD	Name of the tenant to filter on (Max Size 63)
WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show tenant WORD vrf WORD multicast
```

show track-ipsla

show track-ipsla

Description: Show ipsla object ID details

Command Mode: exec : Exec Mode

Command Path:

```
# show track-ipsla
```

show track-objects

show track-objects

Description: Show track object ID details

Command Mode: exec : Exec Mode

Command Path:

```
# show track-objects
```

show troubleshoot session

show troubleshoot session <session_name>

Description: Show session

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name>
```

show troubleshoot session atomiccounter

show troubleshoot session <session_name> atomiccounter

Description: Show atomic counters

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> atomiccounter
```

show troubleshoot session audit

show troubleshoot session <session_name> audit

Description: Show audit

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> audit
```

show troubleshoot session contracts

show troubleshoot session <session_name> contracts

Description: Show contracts

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> contracts
```

show troubleshoot session deployments

show troubleshoot session <session_name> deployments

Description: Show deployment changes

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> deployments
```

show troubleshoot session events

show troubleshoot session <session_name> events

Description: Show events

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> events
```

show troubleshoot session faults

show troubleshoot session <session_name> faults

Description: Show faults

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> faults
```

show troubleshoot session latency

show troubleshoot session <session_name> latency

Description: Show latency stats

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> latency
```

show troubleshoot session monitor

show troubleshoot session <session_name> monitor

Description: Show monitor

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> monitor
```

show troubleshoot session reports

show troubleshoot session <session_name> reports

Description: Show reports

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> reports
```

show troubleshoot session statistics

show troubleshoot session <session_name> statistics

Description: Show statistics

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> statistics
```

show troubleshoot session topology

show troubleshoot session <session_name> topology

Description: Show topology

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> topology
```

show troubleshoot session traceroute

show troubleshoot session <session_name> traceroute

Description: Show traceroute

Syntax:

session_name	Session name

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot session <session_name> traceroute
```

show troubleshoot sessions

show troubleshoot sessions

Description: Show sessions

Command Mode: exec : Exec Mode

Command Path:

```
# show troubleshoot sessions
```

show username

show username <WORD>

Description: Show user information

Syntax:

WORD	User name

Command Mode: exec : Exec Mode

Command Path:

```
# show username <WORD>
```

show username detail

show username <WORD> detail

Description: Show user information

Syntax:

WORD	User name

Command Mode: exec : Exec Mode

Command Path:

```
# show username <WORD> detail
```

show versions

show versions

Description: Show version information

Command Mode: exec : Exec Mode

Command Path:

```
# show versions
```

show vlan-domain

show vlan-domain [name <arg>] [vlan] [leaf <arg>] [detail]

Description: Show command for vlan-domain

Syntax:

arg	(Optional) Vlan-domain name
<vlan-range>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
arg	(Optional) Leaf id. Number range from=101 to=4000
detail	(Optional) vlan-domain in detail with concrete MOs

Command Mode: exec : Exec Mode

Command Path:

```
# show vlan-domain [name <>] [vlan] [leaf <>] [detail]
```

show vmware domain

show vmware domain

Description: Show VMware domain information

Command Mode: exec : Exec Mode

Command Path:

```
# show vmware domain
```

show vmware domain name

show vmware domain name <name>

Description: VMware domain name

Syntax:

<name>	VMware domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show vmware domain name <name>
```

show vmware domain name epg

show vmware domain name <name> epg

Description: Show VMware domain EPG details

Syntax:

<name>	VMware domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show vmware domain name <name> epg
```

show vmware domain name esx

show vmware domain name <name> esx <esx-ip>

Description: Show VMware ESX information

Syntax:

<name>	VMware domain name
<esx-ip>	ESX IP

Command Mode: exec : Exec Mode

Command Path:

```
# show vmware domain name <name> esx <esx-ip>
```

show vmware domain name port-group

show vmware domain name <name> port-group

Description: Show VMware port group information

Syntax:

<name>	VMware domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show vmware domain name <name> port-group
```

show vmware domain name trunk-portgroup

show vmware domain name <name> trunk-portgroup [name <name>]

Description: Show VMware domain trunk portgroup details

Syntax:

<name>	VMware domain name
<name>	(Optional) trunk portgroup name

Command Mode: exec : Exec Mode

Command Path:

```
# show vmware domain name <name> trunk-portgroup [name <name>]
```

show vmware domain name vcenter

show vmware domain name <name> vcenter <hostname|ip>

Description: VMware vCenter ip or hostname

Syntax:

<name>	VMware domain name
<hostname|ip>	vCenter hostname or IP

Command Mode: exec : Exec Mode

Command Path:

```
# show vmware domain name <name> vcenter <hostname|ip>
```

show vmware domain name vm

show vmware domain name <name> vm

Description: Show VMware VM information

Syntax:

<name>	VMware domain name

Command Mode: exec : Exec Mode

Command Path:

```
# show vmware domain name <name> vm
```

show vmware domain name vm name

show vmware domain name <name> vm name <vm-name>

Description: Show detailed VMware VM information

Syntax:

<name>	VMware domain name
<vm-name>	VM Name

Command Mode: exec : Exec Mode

Command Path:

```
# show vmware domain name <name> vm name <vm-name>
```

show vmware vm

show vmware vm [name <WORD>] [ip <A.B.C.D>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]

Description: Show VMware VM information

Syntax:

WORD	(Optional) Specify a VM name
A.B.C.D	(Optional) IP address in format i.i.i.i
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

Command Mode: exec : Exec Mode

Command Path:

```
# show vmware vm [name <WORD>] [ip <A.B.C.D>] [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE
 EEEE.EEEE.EEEE >]
```

show vpc

show vpc map <vpc-list>

Description: Show vpc mapping

Syntax:

map	Map by name
<vpc-list>	vpc names

Command Mode: exec : Exec Mode

Command Path:

```
# show vpc map <vpc-list>
```

show vpc map leaf

show vpc map <vpc-list> leaf WORD [fex <NUMBER>]

Description: Leaf

Syntax:

map	Map by name
<vpc-list>	vpc names
WORD	Leaf Range or Leaf Name List
<101-199>	(Optional) Fex ID. Number range from=101 to=199

Command Mode: exec : Exec Mode

Command Path:

```
# show vpc map <vpc-list> leaf WORD [fex <NUMBER>]
```

show vrf

show vrf WORD

Description: Show VRF Information

Syntax:

WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show vrf WORD
```

show vrf detail

show vrf WORD detail

Description: Show detailed view of VRF

Syntax:

WORD	Name of the VRF to filter on (Max Size 64)

Command Mode: exec : Exec Mode

Command Path:

```
# show vrf WORD detail
```

show vsan-domain

show vsan-domain [name <arg>] [detail]

Description: Show command for vsan-domain

Syntax:

arg	(Optional) Vsan-domain name
detail	(Optional) Vsan-domain detailed information

Command Mode: exec : Exec Mode

Command Path:

```
# show vsan-domain [name <>] [detail]
```

shut

shut

Description: Disable BFD

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# shut
```

shut

Description: Disable BFD

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd <WORD> tenant <WORD>
(config-template-bfd-pol)# shut
```

shut

Description: Disable monitor session

Command Mode: monitor virtual : Configure monitor session for virtual switches

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# shut
```

shutdown

shutdown

Description: Administrative state of the Policer

Command Mode: policy-map type data-plane : Create a policymap of DataPlane type to police/reclassify the traffic

Command Path:

```
# configure [['terminal', 't']]
(config)# policy-map type data-plane <WORD>
(config-pmap-dpp)# shutdown
```

shutdown

Description: Disable the class of service specified

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# shutdown
```

shutdown

Description: Set admin state to disabled

Command Mode: switchport port-authentication : Port authentication configuration

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
(config-port-authentication)# shutdown
```

shutdown

Description: Shutdown AEPg

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# shutdown
```

shutdown

Description: Administrative state of the Policer

Command Mode: policy-map type data-plane : data-plane policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type data-plane <WORD>
(config-tenant-pmap-dpp)# shutdown
```

shutdown

Description: dscp-map toggling

Command Mode: qos : Set DSCP Class translation values

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# qos dscp-map <WORD>
(config-qos-cmap)# shutdown
```

shutdown

Description: Disable Interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# shutdown
```

shutdown

Description: Disable Port Channel

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# shutdown
```

shutdown

Description: Disable Interface

Command Mode: interface vfc : Virtual Fiber Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc <ifRange>
(config-leaf-if)# shutdown
```

shutdown

Description: Disable Interface

Command Mode: interface vfc-po : VFC Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc-po <WORD> [fex <fex>]
(config-leaf-if)# shutdown
```

shutdown

Description: Disable Interface

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# shutdown
```

shutdown

Description: Disable FC Port Channel

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# shutdown
```

shutdown

Description: Administratively shut down this BGP neighbor

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# shutdown
```

shutdown

Description: Disable Interface

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# shutdown
```

shutdown

Description: Disable Port Channel

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# shutdown
```

shutdown

Description: Disable Interface

Command Mode: interface vfc : Virtual Fiber Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc <ifRange>
(config-leaf-if)# shutdown
```

shutdown

Description: Disable Interface

Command Mode: interface vfc-po : VFC Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc-po <WORD> [fex <fex>]
(config-leaf-if)# shutdown
```

shutdown

Description: Disable Interface

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# shutdown
```

shutdown

Description: Disable FC Port Channel

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# shutdown
```

shutdown

Description: Administratively shut down this BGP neighbor

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# shutdown
```

shutdown

Description: Disable interface

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# shutdown
```

shutdown

Description: Disable monitor session

Command Mode: monitor access session : Configue monitor session for access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# shutdown
```

shutdown

Description: Disable monitor session

Command Mode: monitor fabric : Configue monitor session for fabric interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# shutdown
```

shutdown

Description: Disable monitor session

Command Mode: monitor tenant : Configue monitor session for tenant EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# shutdown
```

site-id

site-id <WORD>

Description: ID of the network where the site is deployed

Syntax:

WORD	The site id (Max Size 512) surrounded by quotes

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# site-id <WORD>
```

site-id <WORD>

Description: ID of the network where the site is deployed

Syntax:

WORD	The site id (Max Size 512) surrounded by quotes

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# site-id <WORD>
```

sla-detectmultiplier

sla-detectmultiplier <NUMBER>

Description: Configure SLA Multiplier for IPSLA Monitoring Policy

Syntax:

<1-100>	Configure Detect Multiplier for IPSLA Monitoring Policy. Number range from=1 to=100

Command Mode: ipsla-pol : Configure IPSLA Monitoring Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# ipsla-pol <WORD>
(config-ipsla-pol)# sla-detectmultiplier <NUMBER>
```

sla-frequency

sla-frequency <NUMBER>

Description: Configure SLA frequency for IPSLA Monitoring Policy

Syntax:

<1-300>	Configure SLA frequency for IPSLA Monitoring Policy. Number range from=1 to=300

Command Mode: ipsla-pol : Configure IPSLA Monitoring Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# ipsla-pol <WORD>
(config-ipsla-pol)# sla-frequency <NUMBER>
```

sla-port

sla-port <NUMBER>

Description: Configure SLA Port Number for IPSLA Monitoring Policy

Syntax:

<0-65535>	Configure SLA Port Number for IPSLA Monitoring Policy. Number range from=0 to=65535

Command Mode: sla-type : Configure SLA Type and SLA Port for IPSLA Monitoring Policy, example 'sla-type tcp sla-port 80' or 'sla-type imcp sla-port 0' 'sla-type l2ping sla-port 0'

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# ipsla-pol <WORD>
(config-ipsla-pol)# sla-type <WORD> [sla-port <NUMBER>]
(config-sla-type)# sla-port <NUMBER>
```

sla-type

sla-type <WORD> [sla-port <NUMBER>]

Description: Configure SLA Type and SLA Port for IPSLA Monitoring Policy, example 'sla-type tcp sla-port 80' or 'sla-type imcp sla-port 0' 'sla-type l2ping sla-port 0'

Syntax:

WORD	Configure SLA Type for IPSLA Monitoring Policy (Max Size None)
<0-65535>	(Optional) Configure SLA Port Number for IPSLA Monitoring Policy. Number range from=0 to=65535

Command Mode: ipsla-pol : Configure IPSLA Monitoring Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# ipsla-pol <WORD>
(config-ipsla-pol)# sla-type <WORD> [sla-port <NUMBER>]
```

slot

slot <card>

Description: Specify Slot Number

Syntax:

card	Slot Number. Number range from=1 to=64

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# slot <card>
```

slot <card>

Description: Specify Slot Number

Syntax:

card	Slot Number. Number range from=1 to=64

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# slot <card>
```

slow-drain congestion-timeout action

slow-drain congestion-timeout action err-disable|log

Description: Configure congestion action

Syntax:

err-disable	Error disable
log	Syslog

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# slow-drain congestion-timeout action err-disable|log
```

slow-drain congestion-timeout action err-disable|log

Description: Configure congestion action

Syntax:

err-disable	Error disable
log	Syslog

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# slow-drain congestion-timeout action err-disable|log
```

slow-drain congestion-timeout action err-disable|log

Description: Configure congestion action

Syntax:

err-disable	Error disable
log	Syslog

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# slow-drain congestion-timeout action err-disable|log
```

slow-drain congestion-timeout action err-disable|log

Description: Configure congestion action

Syntax:

err-disable	Error disable
log	Syslog

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# slow-drain congestion-timeout action err-disable|log
```

slow-drain congestion-timeout action err-disable|log

Description: Configure congestion action

Syntax:

err-disable	Error disable
log	Syslog

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# slow-drain congestion-timeout action err-disable|log
```

slow-drain congestion-timeout action err-disable|log

Description: Configure congestion action

Syntax:

err-disable	Error disable
log	Syslog

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# slow-drain congestion-timeout action err-disable|log
```

slow-drain congestion-timeout action err-disable|log

Description: Configure congestion action

Syntax:

err-disable	Error disable
log	Syslog

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# slow-drain congestion-timeout action err-disable|log
```

slow-drain congestion-timeout count

slow-drain congestion-timeout count <NUMBER>

Description: Configure number of pause frames per second

Syntax:

<range>	Configure number of pause frames per second. Number range from=1 to=10000

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# slow-drain congestion-timeout count <NUMBER>
```

slow-drain congestion-timeout count <NUMBER>

Description: Configure number of pause frames per second

Syntax:

<range>	Configure number of pause frames per second. Number range from=1 to=10000

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# slow-drain congestion-timeout count <NUMBER>
```

slow-drain congestion-timeout count <NUMBER>

Description: Configure number of pause frames per second

Syntax:

<range>	Configure number of pause frames per second. Number range from=1 to=10000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# slow-drain congestion-timeout count <NUMBER>
```

slow-drain congestion-timeout count <NUMBER>

Description: Configure number of pause frames per second

Syntax:

<range>	Configure number of pause frames per second. Number range from=1 to=10000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# slow-drain congestion-timeout count <NUMBER>
```

slow-drain congestion-timeout count <NUMBER>

Description: Configure number of pause frames per second

Syntax:

<range>	Configure number of pause frames per second. Number range from=1 to=10000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# slow-drain congestion-timeout count <NUMBER>
```

slow-drain congestion-timeout count <NUMBER>

Description: Configure number of pause frames per second

Syntax:

<range>	Configure number of pause frames per second. Number range from=1 to=10000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# slow-drain congestion-timeout count <NUMBER>
```

slow-drain congestion-timeout count <NUMBER>

Description: Configure number of pause frames per second

Syntax:

<range>	Configure number of pause frames per second. Number range from=1 to=10000

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# slow-drain congestion-timeout count <NUMBER>
```

slow-drain pause

slow-drain pause timeout <NUMBER>

Description: Configure pause frame timeout

Syntax:

timeout	Configure pause frame timeout
<interval>	Configure pause timeout in milliseconds. Number range from=100 to=1000

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# slow-drain pause timeout <NUMBER>
```

slow-drain pause timeout <NUMBER>

Description: Configure pause frame timeout

Syntax:

timeout	Configure pause frame timeout
<interval>	Configure pause timeout in milliseconds. Number range from=100 to=1000

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# slow-drain pause timeout <NUMBER>
```

slow-drain pause timeout <NUMBER>

Description: Configure pause frame timeout

Syntax:

timeout	Configure pause frame timeout
<interval>	Configure pause timeout in milliseconds. Number range from=100 to=1000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# slow-drain pause timeout <NUMBER>
```

slow-drain pause timeout <NUMBER>

Description: Configure pause frame timeout

Syntax:

timeout	Configure pause frame timeout
<interval>	Configure pause timeout in milliseconds. Number range from=100 to=1000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# slow-drain pause timeout <NUMBER>
```

slow-drain pause timeout <NUMBER>

Description: Configure pause frame timeout

Syntax:

timeout	Configure pause frame timeout
<interval>	Configure pause timeout in milliseconds. Number range from=100 to=1000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# slow-drain pause timeout <NUMBER>
```

slow-drain pause timeout <NUMBER>

Description: Configure pause frame timeout

Syntax:

timeout	Configure pause frame timeout

<interval>	Configure pause timeout in milliseconds. Number range from=100 to=1000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# slow-drain pause timeout <NUMBER>
```

slow-drain pause timeout <NUMBER>

Description: Configure pause frame timeout

Syntax:

timeout	Configure pause frame timeout
<interval>	Configure pause timeout in milliseconds. Number range from=100 to=1000

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# slow-drain pause timeout <NUMBER>
```

slow-timer

slow-timer <NUMBER>

Description: Configure BFD SLOW-TIMER value in milliseconds

Syntax:

<interval>	BFD interval. Number range from=1000 to=30000

Command Mode: template bfd : BFD group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd ip|ipv6 <WORD>
(config-bfd)# slow-timer <NUMBER>
```

smartcallhome

smartcallhome common

Description: Smart Callhome common policy configuration mode

Syntax:

common	Create a smart Callhome Policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
```

snapshot download

snapshot download <WORD>

Description: Configuration snapshot download setup mode

Syntax:

WORD	Snapshot downloader name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot download <WORD>
```

snapshot export

snapshot export <WORD>

Description: Configuration export setup mode

Syntax:

WORD	Export configuration name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot export <WORD>
```

snapshot import

snapshot import <WORD>

Description: Configuration import setup mode

Syntax:

WORD	Import configuration name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot import <WORD>
```

snapshot rollback

snapshot rollback <WORD>

Description: Configuration rollback setup mode

Syntax:

WORD	Rollback configuration name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot rollback <WORD>
```

snapshot upload

snapshot upload <WORD>

Description: Configuration snapshot upload setup mode

Syntax:

WORD	Snapshot uploader name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot upload <WORD>
```

snmp-server clientgroup

snmp-server clientgroup <group-name> [management-epg <mgmt-epg>] [client <ip-address/hostname>]

Description: Configure SNMP client-group

Syntax:

<group-name>	SNMP clientgroup
<mgmt-epg>	(Optional) Management EPG (default: oob-default)
<ip-address/hostname>	(Optional) Ip-address/hostname of the snmp client

Command Mode: template snmp-fabric : Simple Network Management Protocol (SNMP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template snmp-fabric <WORD>
(config-template-snmp-fabric)# snmp-server clientgroup <group-name> [management-epg
<mgmt-epg>] [client <ip-address/hostname>]
```

snmp-server community

snmp-server community <community-name>

Description: Configure SNMP community

Syntax:

<community-name>	SNMP community

Command Mode: template snmp-fabric : Simple Network Management Protocol (SNMP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template snmp-fabric <WORD>
(config-template-snmp-fabric)# snmp-server community <community-name>
```

snmp-server contact

snmp-server contact <contact-name>

Description: Configure SNMP contact

Syntax:

<contact-name>	SNMP contact name

Command Mode: template snmp-fabric : Simple Network Management Protocol (SNMP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template snmp-fabric <WORD>
(config-template-snmp-fabric)# snmp-server contact <contact-name>
```

snmp-server host

snmp-server host <ip-address/hostname> traps-version 1|2c|3 <community> auth|none|priv [udp-port <port>] [management-epg <mgmt-epg>]

Description: Configure SNMP trap host

Syntax:

<ip-address/hostname>	Ip-address/hostname of the snmp trap destination
traps-version	SNMP Version to use for traps
1	Use SNMPv1
2c	Use SNMPv2
3	Use SNMPv3
<community>	SNMP community/security
auth	Use Authentication Only
none	Use No Authentication
priv	Use Authentication and Encryption
<port>	(Optional) UDP port for traps (default 162)
<mgmt-epg>	(Optional) Management EPG (default: oob-default)

Command Mode: template snmp-fabric : Simple Network Management Protocol (SNMP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template snmp-fabric <WORD>
(config-template-snmp-fabric)# snmp-server host <ip-address/hostname> traps-version 1|2c|3
 <community> auth|none|priv [udp-port <port>] [management-epg <mgmt-epg>]
```

snmp-server location

snmp-server location <location-name>

Description: Configure SNMP location

Syntax:

<location-name>	SNMP location

Command Mode: template snmp-fabric : Simple Network Management Protocol (SNMP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template snmp-fabric <WORD>
(config-template-snmp-fabric)# snmp-server location <location-name>
```

snmp-server protocol

snmp-server protocol enable

Description: Enable SNMP protocol

Syntax:

enable	Enable SNMP protocol

Command Mode: template snmp-fabric : Simple Network Management Protocol (SNMP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template snmp-fabric <WORD>
(config-template-snmp-fabric)# snmp-server protocol enable
```

snmp-server trap-fwd-server

snmp-server trap-fwd-server <server-ip> [port <port>]

Description: Configure SNMP Trap Forwarding Server

Syntax:

<server-ip>	SNMP trap-fwd-server
port	(Optional) SNMP server port for accounting logs. Number range from=0 to=65535

Command Mode: template snmp-fabric : Simple Network Management Protocol (SNMP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template snmp-fabric <WORD>
(config-template-snmp-fabric)# snmp-server trap-fwd-server <server-ip> [port <port>]
```

snmp-server user

snmp-server user <user-name> auth sha|md5 priv aes|des|none

Description: Configure SNMP user

Syntax:

<user-name>	SNMP user
auth	Authentication Type
sha	Use HMAC SHA algorithm for authentication
md5	Use HMAC MD5 algorithm for authentication
priv	Privacy Type
aes	Use 128-bit AES algorithm for privacy
des	Use 64-bit DES algorithm for privacy
none	Do not use privacy

Command Mode: template snmp-fabric : Simple Network Management Protocol (SNMP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template snmp-fabric <WORD>
(config-template-snmp-fabric)# snmp-server user <user-name> auth sha|md5 priv aes|des|none
```

source-guard-admin-status

source-guard-admin-status enabled-both|disabled

Description: Config source guard administrative status in first hop security bridge domain policy

Syntax:

enabled-both	Enable source guard for both IPv4 and IPv6
disabled	Disable source guard

Command Mode: security-policy : Configuration for security policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# source-guard-admin-status enabled-both|disabled
```

source

source address <A.B.C.D|A:B::C:D/LEN>

Description: Configure source

Syntax:

address	IP Address
A.B.C.D|A:B::C:D/LEN	Source of the exporter in format x.x.x.x|x::x/m. Recommended to contain room for at least 12 host bits (for vm-exporter, Source can only be x.x.x.x format)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# source address <A.B.C.D|A:B::C:D/LEN>
```

source address <A.B.C.D|A:B::C:D/LEN>

Description: Configure source

Syntax:

address	IP Address
A.B.C.D|A:B::C:D/LEN	Source of the exporter in format x.x.x.x|x::x/m. Recommended to contain room for at least 12 host bits (for vm-exporter, Source can only be x.x.x.x format)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-exporter)# source address <A.B.C.D|A:B::C:D/LEN>
```

source address <A.B.C.D|A:B::C:D/LEN>

Description: Configure source

Syntax:

address	IP Address

| *A.B.C.D/A:B::C:D/LEN* | Source of the exporter in format x.x.x.x|x::x/m. Recommended to contain room for at least 12 host bits (for vm-exporter, Source can only be x.x.x.x format) |

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# source address <A.B.C.D|A:B::C:D/LEN>
```

source tenant <WORD> application <WORD> epg <WORD> [mac <E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]

Description: Configure monitor virtual source

Syntax:

tenant	tenant
WORD	tenant name (Max Size 63)
application	application
WORD	application name (Max Size 64)
epg	epg
WORD	epg name (Max Size 64)
E.E.E EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE	(Optional) MAC address (Option 1) MAC address (Option 2) MAC address (Option 3) MAC address (Option 4)

Command Mode: monitor virtual : Configure monitor session for virtual switches

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# source tenant <WORD> application <WORD> epg <WORD> [mac <E.E.E
EE-EE-EE-EE-EE-EE EE:EE:EE:EE:EE:EE EEEE.EEEE.EEEE >]
```

source application

source application <application_name> epg <epg_name>

Description: Configure EPG as monitor source

Syntax:

application_name	application name (Max Size 64)
epg	epg
epg_name	epg name (Max Size 64)

Command Mode: monitor tenant : Configue monitor session for tenant EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# source application <application_name> epg <epg_name>
```

source global-drop switch

source global-drop switch <101-4000>

Description: Configure monitor for node

Syntax:

<101-4000>	Node Range or Node Name List

Command Mode: monitor fabric : Configue monitor session for fabric interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# source global-drop switch <101-4000>
```

source interface ethernet

source interface ethernet <ethernet> leaf <leaf Id>

Description: Configure monitor for ethernet access interfaces

Syntax:

<ethernet>	List of ethernet itfs
leaf	leaf
<leaf Id>	leaf Id

Command Mode: monitor access session : Configue monitor session for access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface ethernet <ethernet> leaf <leaf Id>
```

source interface ethernet <ethernet> switch <switch Id>

Description: Configure monitor for ethernet fabric interfaces

Syntax:

<ethernet>	ethernet interface range
switch	switch
<switch Id>	switch Id

Command Mode: monitor fabric : Configue monitor session for fabric interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# source interface ethernet <ethernet> switch <switch Id>
```

source interface port-channel

source interface port-channel <port-channel list> leaf <leaf Id> [fex <fex Id>]

Description: Configure monitor for port-channel interfaces

Syntax:

<port-channel list>	<port-channel list>
leaf	leaf
<leaf Id>	leaf Id
<fex Id>	(Optional) fex Id

Command Mode: monitor access session : Configue monitor session for access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface port-channel <port-channel list> leaf <leaf Id>
[fex <fex Id>]
```

source interface vpc

source interface vpc <vpc list> leaf <leaf Id1> <leaf Id2> [fex <fex Ids>]

Description: Configure monitor for VPC interfaces

Syntax:

<vpc list>	<vpc list>
leaf	leaf
<leaf Id1>	leaf Id1
<leaf Id2>	leaf Id2
<fex Ids>	(Optional) paired fex Ids

Command Mode: monitor access session : Configue monitor session for access interfaces

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface vpc <vpc list> leaf <leaf Id1> <leaf Id2> [fex
<fex Ids>]
```

spanning-tree

spanning-tree mst configuration

Description: STP MST configuration mode

Syntax:

mst	Multiple spanning tree
configuration	Configure multiple spanning tree protocol

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spanning-tree mst configuration
```

spanning-tree

Description: Add spanning tree

Command Mode: template leaf-policy-group : Configure Leaf Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# spanning-tree
```

spanning-tree bpdu-filter|bpdu-guard <enable|disable>

Description: Enable or Disable BPDU filter/guard

Syntax:

bpdu-filter	Don't send or receive BPDUs on this interface
bpdu-guard	Don't accept BPDUs on this interface
<enable|disable>	enable/disable BPDU filter/guard

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# spanning-tree bpdu-filter|bpdu-guard <enable|disable>
```

spanning-tree bpdu-filter|bpdu-guard <enable|disable>

Description: Enable BPDU filter/guard

Syntax:

bpdu-filter	Don't send or receive BPDUs on this interface
bpdu-guard	Don't accept BPDUs on this interface
<enable|disable>	enable/disable BPDU filter/guard

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# spanning-tree bpdu-filter|bpdu-guard <enable|disable>
```

spanning-tree bpdu-filter|bpdu-guard <enable|disable>

Description: Enable or disable BPDU filter/guard

Syntax:

bpdu-filter	Don't send or receive BPDUs on this interface
bpdu-guard	Don't accept BPDUs on this interface
<enable|disable>	enable/disable BPDU filter/guard

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# spanning-tree bpdu-filter|bpdu-guard <enable|disable>
```

spanning-tree bpdu-filter|bpdu-guard <enable|disable>

Description: Enable BPDU filter/guard

Syntax:

bpdu-filter	Don't send or receive BPDUs on this interface
bpdu-guard	Don't accept BPDUs on this interface
<enable|disable>	enable/disable BPDU filter/guard

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# spanning-tree bpdu-filter|bpdu-guard <enable|disable>
```

spanning-tree bpdu-filter|bpdu-guard <enable|disable>

Description: Enable or disable BPDU filter/guard

Syntax:

bpdu-filter	Don't send or receive BPDUs on this interface
bpdu-guard	Don't accept BPDUs on this interface
<enable|disable>	enable/disable BPDU filter/guard

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# spanning-tree bpdu-filter|bpdu-guard <enable|disable>
```

spanning-tree bpdu-filter|bpdu-guard <enable|disable>

Description: Enable BPDU filter/guard

Syntax:

bpdu-filter	Don't send or receive BPDUs on this interface
bpdu-guard	Don't accept BPDUs on this interface
<enable|disable>	enable/disable BPDU filter/guard

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# spanning-tree bpdu-filter|bpdu-guard <enable|disable>
```

spanning-tree bpdu-filter|bpdu-guard <enable|disable>

Description: Spanning Tree Subsystem

Syntax:

bpdu-filter	Don't send or receive BPDUs on this interface

bpdu-guard	Don't accept BPDUs on this interface
<enable|disable>	enable/disable BPDU filter/guard

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# spanning-tree bpdu-filter|bpdu-guard <enable|disable>
```

spanning-tree bpdu-filter

spanning-tree bpdu-filter enable|disable|default

Description: Configure BPDU filter override on AVS uplink ports

Syntax:

enable	Enable BPDU filter
disable	Disable BPDU filter
default	Remove BPDU filter/guard override policy

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# spanning-tree bpdu-filter enable|disable|default
```

spanning-tree bpdu-filter enable|disable|default

Description: Configure BPDU filter override on AVS uplink ports

Syntax:

enable	Enable BPDU filter
disable	Disable BPDU filter
default	Remove BPDU filter/guard override policy

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# spanning-tree bpdu-filter enable|disable|default
```

spanning-tree bpdu-guard

spanning-tree bpdu-guard enable|disable|default

Description: Configure BPDU guard override on AVS uplink ports

Syntax:

enable	Enable BPDU guard
disable	Disable BPDU guard
default	Remove BPDU filter/guard override policy

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# spanning-tree bpdu-guard enable|disable|default
```

spanning-tree bpdu-guard enable|disable|default

Description: Configure BPDU guard override on AVS uplink ports

Syntax:

enable	Enable BPDU guard
disable	Disable BPDU guard
default	Remove BPDU filter/guard override policy

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# spanning-tree bpdu-guard enable|disable|default
```

speed

speed <interfaceSpeed>

Description: Configure Interface Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# speed <interfaceSpeed>
```

speed <portChannelSpeed>

Description: Configure Interface Speed

Syntax:

<portChannelSpeed>	Port-Channel Speed Policy

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# speed <portChannelSpeed>
```

speed <interfaceSpeed>

Description: Configure Interface Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy

Command Mode: template spine-interface-policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-interface-policy-group <WORD>
(config-spine-if-pol-grp)# speed <interfaceSpeed>
```

speed <interfaceSpeed>

Description: Configure Interface Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# speed <interfaceSpeed>
```

speed <speed>

Description: Configure Interface Speed

Syntax:

<speed>	Speed Value

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# speed <speed>
```

speed <interfaceSpeed>

Description: Configure Interface Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# speed <interfaceSpeed>
```

speed <speed>

Description: Configure Interface Speed

Syntax:

| *<speed>* | Speed Value |

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# speed <speed>
```

speed <speed>

Description: Configure Interface Speed

Syntax:

| *<speed>* | Interface Speed Policy |

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# speed <speed>
```

spf-interval

spf-interval level-1 <NUMBER> <50-120000> <50-120000>

Description: Set the ISIS SPF maximal wait interval

Syntax:

level-1	Level 1
<50-120000>	SPF maximum wait interval. Number range from=50 to=120000
<50-120000> <50-120000>	Initial and secondary wait intervals (both values are required)

Command Mode: isis : Intermediate System to Intermediate System (IS-IS)

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# isis fabric
(config-pod-isis)# spf-interval level-1 <NUMBER> <50-120000> <50-120000>
```

spf-interval level-1 <NUMBER> <50-120000> <50-120000>

Description: Set the ISIS SPF maximal wait interval

Syntax:

level-1	Level 1
<50-120000>	SPF maximum wait interval. Number range from=50 to=120000
<50-120000> <50-120000>	Initial and secondary wait intervals (both values are required)

Command Mode: template isis-fabric : InterSystem-InterSystem Protocol (IS-IS)

Command Path:

```
# configure [['terminal', 't']]
(config)# template isis-fabric <WORD>
(config-template-isis-fabric)# spf-interval level-1 <NUMBER> <50-120000> <50-120000>
```

spine-group

spine-group <WORD>

Description: Configure Spine Group

Syntax:

WORD	Spine Group name (Max Size 64)

Command Mode: spine-profile : Configure Spine Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-profile <WORD>
(config-spine-profile)# spine-group <WORD>
```

spine-group <WORD>

Description: Configure Spine Group

Syntax:

WORD	Spine Group name (Max Size 64)

Command Mode: spine-profile : Configure Spine Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-profile <WORD>
(config-spine-profile)# spine-group <WORD>
```

spine-interface-group

spine-interface-group <WORD>

Description: Configure Spine Interface Group

Syntax:

WORD	Spine Interface Group name (Max Size 64)

Command Mode: spine-interface-profile : Create Spine Interface Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
```

spine-interface-group <WORD>

Description: Configure Spine Interface Group

Syntax:

WORD	Spine Interface Group name (Max Size 64)

Command Mode: spine-interface-profile : Create Spine Interface Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
```

spine-interface-policy-group

spine-interface-policy-group <WORD>

Description: Associate an Interface Policy Group to this Interface Group

Syntax:

WORD	Spine Interface Policy Group Name (Max Size 64)

Command Mode: spine-interface-group : Configure Spine Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
(config-spine-if-group)# spine-interface-policy-group <WORD>
```

spine-interface-policy-group <WORD>

Description: Associate an Interface Policy Group to this Interface Group

Syntax:

WORD	Spine Interface Policy Group Name (Max Size 64)

Command Mode: spine-interface-group : Configure Spine Interface Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
(config-spine-if-group)# spine-interface-policy-group <WORD>
```

spine-interface-policy-group <WORD> [force]

Description: Configure Spine Interface Policy Group

Syntax:

WORD	Spine Interface Policy Group Name (Max Size 64)
force	(Optional) Delete Per Port Configuration and apply spine-interface-policy-group config

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# spine-interface-policy-group <WORD> [force]
```

spine-interface-policy-group <WORD> [force]

Description: Configure Spine Interface Policy Group

Syntax:

WORD	Spine Interface Policy Group Name (Max Size 64)
force	(Optional) Delete Per Port Configuration and apply spine-interface-policy-group config

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# spine-interface-policy-group <WORD> [force]
```

spine-interface-profile

spine-interface-profile <WORD>

Description: Attach Spine Interface Profile to the Spine Profile

Syntax:

WORD	Spine Interface Profile name (Max Size 64)

Command Mode: spine-profile : Configure Spine Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-profile <WORD>
(config-spine-profile)# spine-interface-profile <WORD>
```

spine-interface-profile <WORD>

Description: Create Spine Interface Profile

Syntax:

WORD	Spine Interface Profile name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-interface-profile <WORD>
```

spine-interface-profile <WORD>

Description: Create Spine Interface Profile

Syntax:

WORD	Spine Interface Profile name (Max Size 64)

Command Mode: fabric-internal : Fabric Policy Configuration for internal ports

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-interface-profile <WORD>
```

spine-interface-profile <WORD>

Description: Attach Spine Interface Profile to the Spine Profile

Syntax:

WORD	Spine Interface Profile name (Max Size 64)

Command Mode: spine-profile : Configure Spine Profile

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-profile <WORD>
(config-spine-profile)# spine-interface-profile <WORD>
```

spine-policy-group

spine-policy-group <WORD>

Description: Configure spine policy group

Syntax:

WORD	spine policy name (Max Size 64)

Command Mode: spine-group : Configure Spine Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-profile <WORD>
(config-spine-profile)# spine-group <WORD>
(config-spine-group)# spine-policy-group <WORD>
```

spine-policy-group <WORD>

Description: Configure spine policy group

Syntax:

WORD	spine policy name (Max Size 64)

Command Mode: spine-group : Configure Spine Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-profile <WORD>
(config-spine-profile)# spine-group <WORD>
(config-spine-group)# spine-policy-group <WORD>
```

spine-profile

spine-profile <WORD>

Description: Configure Spine Profile

Syntax:

WORD	Spine Profile name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-profile <WORD>
```

spine-profile <WORD>

Description: Configure Spine Profile

Syntax:

WORD	Spine Profile name (Max Size 64)

Command Mode: fabric-internal : Fabric Policy Configuration for internal ports

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-profile <WORD>
```

spine

spine <101-4000>

Description: Provide a Range of Nodes

Syntax:

<101-4000>	Spine Range or Spine Name List

Command Mode: spine-group : Configure Spine Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine-profile <WORD>
(config-spine-profile)# spine-group <WORD>
(config-spine-group)# spine <101-4000>
```

spine <101-4000>

Description: Provide a Range of Nodes

Syntax:

<101-4000>	Spine Range or Spine Name List

Command Mode: spine-group : Configure Spine Group

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-profile <WORD>
(config-spine-profile)# spine-group <WORD>
(config-spine-group)# spine <101-4000>
```

spine <101-4000>

Description: Configure Spine Node

Syntax:

<101-4000>	Spine Range or Spine Name List

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
```

sr-upgrade

sr-upgrade

Description: Check for SR Upgrade

Command Mode: switch-group : Create switch firmware upgrade policy

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# sr-upgrade
```

sr-version

sr-version <version>

Description: Set target SR version

Syntax:

<version>	SR version

Command Mode: switch-group : Create switch firmware upgrade policy

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# sr-version <version>
```

ssh-ciphers

ssh-ciphers <sshCiphers>

Description: Set the SSH ciphers (comma separated values)

Syntax:

sshCiphers	SSH Ciphers as comma separated values like val1,val2,..valN

Command Mode: ssh-service : SSH communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# ssh-service
(config-ssh-service)# ssh-ciphers <sshCiphers>
```

ssh-key

ssh-key <WORD>

Description: Update ssh key for the user for ssh authentication

Syntax:

WORD	A name for SSH key (Max Size 64)

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# ssh-key <WORD>
```

ssh-macs

ssh-macs <sshMacs>

Description: Set the SSH macs (comma separated values)

Syntax:

sshMacs	SSH Macs as comma separated values like val1,val2,..valN

Command Mode: ssh-service : SSH communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# ssh-service
(config-ssh-service)# ssh-macs <sshMacs>
```

ssh-service

ssh-service

Description: SSH communication policy group

Command Mode: comm-policy : Configure any communication policy, ssh/telnet/shellinabox/http/https

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# ssh-service
```

ssl-protocols

ssl-protocols <sslProtocols>

Description: Set the SSL protocol (comma separated values)

Syntax:

sslProtocols	SSL Protocols as comma separated values like val1,val2,..valN

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# ssl-protocols <sslProtocols>
```

ssl-validation-level

ssl-validation-level <ssl-validation-level>

Description: Set the LDAP Server SSL Certificate validation level

Syntax:

<ssl-validation-level>	<ssl-validation-level>

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# ssl-validation-level <ssl-validation-level>
```

starttime

starttime <LINE>

Description: Set startTime

Syntax:

LINE	startTime in UTC format (Max Size None)

Command Mode: key-policy : Configuration for Key Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# keychain-policy <WORD>
(config-tenant-keychainpolicy)# key-policy <NUMBER>
(config-tenant-keychainpolicy-keypolicy)# starttime <LINE>
```

state

state <WORD>

Description: Set The state or province in which the organization is located.

Syntax:

<WORD>	state or province (Max Size 64)

Command Mode: csr : A csr mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# csr
(config-csr)# state <WORD>
```

state <cipherState>

Description: Cipher state

Syntax:

cipherState	Cipher state as comma separated values like val1,val2,..valN

Command Mode: ciphers : HTTPS cipher suite

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# ciphers <WORD>
(config-ciphers)# state <cipherState>
```

static-endpoint

static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure Silent Host behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i
A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
 vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure silent Host behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i
A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
 vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure Silent Host behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i
A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
 vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure silent Host behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i
A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
 vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure silent Host behind a EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i

| *A1:B1::C1:D1,..,An:Bn::Cn:Dn* | (Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx |

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
 vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

static-tep

static-tep mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vlan <NUMBER> <A.B.C.D>

Description: Configure a static Tunnel Endpoint behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
vlan	Encapsulation Vlan
<1-4094>	VLAN range. Number range from=1 to=4094
A.B.C.D	IP address in format i.i.i.i

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# static-tep mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
vlan <NUMBER> <A.B.C.D>
```

static-tep mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vlan <NUMBER> <A.B.C.D>

Description: Configure a static Tunnel Endpoint behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
vlan	Encapsulation Vlan
<1-4094>	VLAN range. Number range from=1 to=4094

| *A.B.C.D* | IP address in format i.i.i.i |

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# static-tep mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
vlan <NUMBER> <A.B.C.D>
```

static-tep mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vlan <NUMBER> <A.B.C.D>

Description: Configure a static Tunnel Endpoint behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
vlan	Encapsulation Vlan
<1-4094>	VLAN range. Number range from=1 to=4094
A.B.C.D	IP address in format i.i.i.i

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# static-tep mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
vlan <NUMBER> <A.B.C.D>
```

static-tep mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vlan <NUMBER> <A.B.C.D>

Description: Configure a static Tunnel Endpoint behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)

EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
vlan	Encapsulation Vlan
<1-4094>	VLAN range. Number range from=1 to=4094
A.B.C.D	IP address in format i.i.i.i

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# static-tep mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
vlan <NUMBER> <A.B.C.D>
```

static-tep mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE vlan <NUMBER> <A.B.C.D>

Description: Configure a static Tunnel Endpoint behind a EPG with a Static Path Attachment

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
vlan	Encapsulation Vlan
<1-4094>	VLAN range. Number range from=1 to=4094
A.B.C.D	IP address in format i.i.i.i

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# static-tep mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
vlan <NUMBER> <A.B.C.D>
```

statistics

statistics enable

Description: Enable/disable stats collection on vCenter

Syntax:

enable	enable

Command Mode: vcenter : Configure a vCenter in the VMware domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
(config-vmware-vc)# statistics enable
```

stoprekey

stoprekey <yes|no>

Description: Control to stop Rekeying

Syntax:

<yes/no>	disable|enable rekeying

Command Mode: template cloudsec : Configure cloudsec Policies

Command Path:

```
# configure [['terminal', 't']]
(config)# template cloudsec <WORD>
(config-cloudsec)# stoprekey <yes|no>
```

storm-control action

storm-control action <arg>

Description: Configure Storm Control action type

Syntax:

arg	Storm Control Action Type

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# storm-control action <>
```

storm-control action <arg>

Description: Configure Storm Control action type

Syntax:

arg	Storm Control Action Type

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# storm-control action <>
```

storm-control action <arg>

Description: Configure Storm Control action type

Syntax:

arg	Storm Control Action Type

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# storm-control action <>
```

storm-control action <arg>

Description: Configure Storm Control action type

Syntax:

arg	Storm Control Action Type

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control action <>
```

storm-control action <arg>

Description: Configure Storm Control action type

Syntax:

arg	Storm Control Action Type

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# storm-control action <>
```

storm-control action <arg>

Description: Configure Storm Control action type

Syntax:

arg	Storm Control Action Type

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control action <>
```

storm-control action <arg>

Description: Configure Storm Control action type

Syntax:

arg	Storm Control Action Type

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# storm-control action <>
```

storm-control broadcast level

storm-control broadcast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for broadcast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# storm-control broadcast level <0-100> [burst-rate <0-100>]
```

storm-control broadcast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for broadcast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# storm-control broadcast level <0-100> [burst-rate <0-100>]
```

storm-control broadcast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for broadcast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# storm-control broadcast level <0-100> [burst-rate <0-100>]
```

storm-control broadcast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for broadcast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control broadcast level <0-100> [burst-rate <0-100>]
```

storm-control broadcast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for broadcast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# storm-control broadcast level <0-100> [burst-rate <0-100>]
```

storm-control broadcast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for broadcast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control broadcast level <0-100> [burst-rate <0-100>]
```

storm-control broadcast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for broadcast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# storm-control broadcast level <0-100> [burst-rate <0-100>]
```

storm-control broadcast pps

storm-control broadcast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for broadcast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# storm-control broadcast pps <> burst-rate <>
```

storm-control broadcast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for broadcast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# storm-control broadcast pps <> burst-rate <>
```

storm-control broadcast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for broadcast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second

| *arg* | Max Burst Rate in packets per second. Number range from=0 to=4882812 |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# storm-control broadcast pps <> burst-rate <>
```

storm-control broadcast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for broadcast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control broadcast pps <> burst-rate <>
```

storm-control broadcast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for broadcast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
```

```
(config-leaf-if)# storm-control broadcast pps <> burst-rate <>
```

storm-control broadcast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for broadcast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control broadcast pps <> burst-rate <>
```

storm-control broadcast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for broadcast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# storm-control broadcast pps <> burst-rate <>
```

storm-control level

storm-control level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for all packet types

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# storm-control level <0-100> [burst-rate <0-100>]
```

storm-control level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for all packet types

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# storm-control level <0-100> [burst-rate <0-100>]
```

storm-control level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for all packet types

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# storm-control level <0-100> [burst-rate <0-100>]
```

storm-control level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for all packet types

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control level <0-100> [burst-rate <0-100>]
```

storm-control level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for all packet types

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# storm-control level <0-100> [burst-rate <0-100>]
```

storm-control level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for all packet types

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control level <0-100> [burst-rate <0-100>]
```

storm-control level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for all packet types

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# storm-control level <0-100> [burst-rate <0-100>]
```

storm-control multicast level

storm-control multicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for multicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# storm-control multicast level <0-100> [burst-rate <0-100>]
```

storm-control multicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for multicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# storm-control multicast level <0-100> [burst-rate <0-100>]
```

storm-control multicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for multicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# storm-control multicast level <0-100> [burst-rate <0-100>]
```

storm-control multicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for multicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control multicast level <0-100> [burst-rate <0-100>]
```

storm-control multicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for multicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# storm-control multicast level <0-100> [burst-rate <0-100>]
```

storm-control multicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for multicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control multicast level <0-100> [burst-rate <0-100>]
```

storm-control multicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for multicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# storm-control multicast level <0-100> [burst-rate <0-100>]
```

storm-control multicast pps

storm-control multicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for multicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# storm-control multicast pps <> burst-rate <>
```

storm-control multicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for multicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# storm-control multicast pps <> burst-rate <>
```

storm-control multicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for multicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second

arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# storm-control multicast pps <> burst-rate <>
```

storm-control multicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for multicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control multicast pps <> burst-rate <>
```

storm-control multicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for multicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
```

```
(config-leaf-if)# storm-control multicast pps <> burst-rate <>
```

storm-control multicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for multicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control multicast pps <> burst-rate <>
```

storm-control multicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for multicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# storm-control multicast pps <> burst-rate <>
```

storm-control pps

storm-control pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for all packet types

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# storm-control pps <> burst-rate <>
```

storm-control pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for all packet type

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# storm-control pps <> burst-rate <>
```

storm-control pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for all packet types

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second

arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# storm-control pps <> burst-rate <>
```

storm-control pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for all packet types

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control pps <> burst-rate <>
```

storm-control pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for all packet types

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
```

```
(config-leaf-if)# storm-control pps <> burst-rate <>
```

storm-control pps \<arg\> burst-rate \<arg\>

Description: Configure Storm Control in packet per second for all packet types

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control pps <> burst-rate <>
```

storm-control pps \<arg\> burst-rate \<arg\>

Description: Configure Storm Control in packet per second for all packets type

Syntax:

arg	Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# storm-control pps <> burst-rate <>
```

storm-control soak-instance-count

storm-control soak-instance-count <arg>

Description: Configure Storm Control SI-Count Instances

Syntax:

arg	Storm Control SI-Count Instances. Number range from=3 to=10

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# storm-control soak-instance-count <>
```

storm-control soak-instance-count <arg>

Description: Configure Storm Control SI-Count Instances

Syntax:

arg	Storm Control SI-Count Instances. Number range from=3 to=10

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# storm-control soak-instance-count <>
```

storm-control soak-instance-count <arg>

Description: Configure Storm Control SI-Count Instances

Syntax:

arg	Storm Control SI-Count Instances. Number range from=3 to=10

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# storm-control soak-instance-count <>
```

storm-control soak-instance-count <arg>

Description: Configure Storm Control SI-Count Instances

Syntax:

arg	Storm Control SI-Count Instances. Number range from=3 to=10

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control soak-instance-count <>
```

storm-control soak-instance-count <arg>

Description: Configure Storm Control SI-Count Instances

Syntax:

arg	Storm Control SI-Count Instances. Number range from=3 to=10

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# storm-control soak-instance-count <>
```

storm-control soak-instance-count <arg>

Description: Configure Storm Control SI-Count Instances

Syntax:

arg	Storm Control SI-Count Instances. Number range from=3 to=10

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control soak-instance-count <>
```

storm-control soak-instance-count <arg>

Description: Configure Storm Control SI-Count Instances

Syntax:

arg	Storm Control SI-Count Instances. Number range from=3 to=10

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# storm-control soak-instance-count <>
```

storm-control unicast level

storm-control unicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for unicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# storm-control unicast level <0-100> [burst-rate <0-100>]
```

storm-control unicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for unicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# storm-control unicast level <0-100> [burst-rate <0-100>]
```

storm-control unicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for unicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# storm-control unicast level <0-100> [burst-rate <0-100>]
```

storm-control unicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for unicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control unicast level <0-100> [burst-rate <0-100>]
```

storm-control unicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for unicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# storm-control unicast level <0-100> [burst-rate <0-100>]
```

storm-control unicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for unicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control unicast level <0-100> [burst-rate <0-100>]
```

storm-control unicast level <0-100> [burst-rate <0-100>]

Description: Configure Storm Control Level (bandwidth percentage) for unicast

Syntax:

<0-100>	Rate of Bandwidth in Percentage
<0-100>	(Optional) Max Rate of Bandwidth in Percentage

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# storm-control unicast level <0-100> [burst-rate <0-100>]
```

storm-control unicast pps

storm-control unicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for unicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# storm-control unicast pps <> burst-rate <>
```

storm-control unicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for unicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# storm-control unicast pps <> burst-rate <>
```

storm-control unicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for unicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second

| *arg* | Max Burst Rate in packets per second. Number range from=0 to=4882812 |

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# storm-control unicast pps <> burst-rate <>
```

storm-control unicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for unicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control unicast pps <> burst-rate <>
```

storm-control unicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for unicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
```

```
(config-leaf-if)# storm-control unicast pps <> burst-rate <>
```

storm-control unicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for unicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# storm-control unicast pps <> burst-rate <>
```

storm-control unicast pps <arg> burst-rate <arg>

Description: Configure Storm Control in packet per second for unicast

Syntax:

arg	Burst Rate in packets per second. Number range from=0 to=4882812
burst-rate	Max Burst Rate in packets per second
arg	Max Burst Rate in packets per second. Number range from=0 to=4882812

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# storm-control unicast pps <> burst-rate <>
```

street-address

street-address <WORD>

Description: Street address of the site

Syntax:

WORD	The street address (Max Size 255) surrounded by quotes

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# street-address <WORD>
```

street-address <WORD>

Description: Street address of the site

Syntax:

WORD	The street address (Max Size 255) surrounded by quotes

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# street-address <WORD>
```

subject

subject <WORD>

Description: Set The fully qualified domain name or DN of the requesting device.

Syntax:

<WORD>	FQDN or DN of device (Max Size 64)

Command Mode: csr : A csr mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# csr
(config-csr)# subject <WORD>
```

subject <WORD>

Description: Configuration a subject on the contract

Syntax:

WORD	Name of the contract subject (Max Size 64)

Command Mode: contract : Configure binary contracts between Application EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
```

subnet-ip

subnet-ip <WORD> [subnet-ctrl <ctrl>]

Description: Configure Subnet IP for a L4-l7 Graph Connector.

Syntax:

WORD	Enter Subnet IP address (Max Size None)
ctrl	(Optional) Configure Subnet Control field for corresponding subnet-id

Command Mode: connector : Configure Connector for a Service Node

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode
 <Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]
(config-service)# connector <WORD> [cluster-interface <WORD>]
(config-connector)# subnet-ip <WORD> [subnet-ctrl <ctrl>]
```

subnet

subnet **<WORD>**

Description: Configure Private IP Subnet

Syntax:

WORD	WORD

Command Mode: l4l7 resource-pool : Configure L4-L7 Service Resource Pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# subnet <WORD>
```

summary-address

summary-address <IP-PREFIX/LEN>

Description: Route summarization

Syntax:

IP-PREFIX/LEN	Summarized ip

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# summary-address <IP-PREFIX/LEN>
```

summary-address <IP-PREFIX/LEN>

Description: Route summarization

Syntax:

IP-PREFIX/LEN	Summarized ip

Command Mode: vrf : Associate Router OSPF Policy with Tenant/VRF

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# summary-address <IP-PREFIX/LEN>
```

svcredir-pol

svcredir-pol tenant <tenant> name <WORD>

Description: Configure Service Redirection Policy for a L4-L7 Graph Connector.

Syntax:

tenant	Tenant in which the service redirection policy is available
<tenant>	Tenant in which the service redirection policy is available
name	Service redirection policy name
WORD	Service redirection policy name (Max Size 64)

Command Mode: connector : Configure Connector for a Service Node

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode
 <Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]
(config-service)# connector <WORD> [cluster-interface <WORD>]
(config-connector)# svcredir-pol tenant <tenant> name <WORD>
```

svcredir-pol <WORD>

Description: Configure L4L7 service redirection policy

Syntax:

WORD	service redirection policy name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
```

sw-mgr

sw-mgr <sw-mgr>

Description: Assoicate Switch Manager

Syntax:

sw-mgr	Switch Manager

Command Mode: vcenter : Configure a vCenter in the VMware domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
(config-vmware-vc)# sw-mgr <sw-mgr>
```

sw-mgr <sw-mgr>

Description: Assoicate Switch Manager

Syntax:

sw-mgr	Switch Manager

Command Mode: scvmm : Configure an SCVMM in the Microsoft domain

Command Path:

```
# configure [['terminal', 't']]
(config)# microsoft-domain <WORD> [delimiter <WORD>]
(config-microsoft)# scvmm <> cloud <WORD> [name <name>]
(config-microsoft-scvmm)# sw-mgr <sw-mgr>
```

switch-group

switch-group <WORD>

Description: Create switch firmware upgrade policy

Syntax:

WORD	switch-group name (Max Size 64)

Command Mode: firmware : Firmware upgrade configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
```

switch

switch

Description: Add switches to switch group

Syntax:

arg	

Command Mode: switch-group : Create switch firmware upgrade policy

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# switch
```

switch

Description: Configure Leaf Node

Syntax:

arg	

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# switch
```

switch

Description: Add switches to zone

Syntax:

arg	

Command Mode: zone : Create zone policy

Command Path:

```
# configure [['terminal', 't']]
(config)# zones
(config-zones)# zone <WORD>
(config-zone)# switch
```

switching-mode

switching-mode native|AVE

Description: Configure Switching Mode

Syntax:

native	Switching Mode Native
AVE	Switching Mode AVE

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# switching-mode native|AVE
```

switching

switching mode vlan|vxlan|vxlan-ns

Description: Configure switching mode.

Syntax:

mode	switching Mode
vlan	VLAN/SW Mode
vxlan	VXLAN/SW Mode
vxlan-ns	VXLAN/HW Mode

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# switching mode vlan|vxlan|vxlan-ns
```

switching mode vlan|vxlan|vxlan-ns

Description: Configure switching mode.

Syntax:

mode	switching Mode
vlan	VLAN/SW Mode
vxlan	VXLAN/SW Mode
vxlan-ns	VXLAN/HW Mode

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# switching mode vlan|vxlan|vxlan-ns
```

switchport

switchport

Description: Configure switchport parameters

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport
```

switchport

Description: Configure switchport parameters

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport
```

switchport

Description: Configure switchport parameters

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport
```

switchport

Description: Configure switchport parameters

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport
```

switchport

Description: Configure switchport parameters

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport
```

switchport access vlan tenant application

switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg
<WORD>
```

switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg
```

```
<WORD>
```

switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Access Vlan
<1-4094>	Access Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg
<WORD>
```

switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Access Vlan
<1-4094>	Access Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg
<WORD>
```

switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Access Vlan
<1-4094>	Access Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg
<WORD>
```

switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Access Vlan
<1-4094>	Access Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg
<WORD>
```

switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Access Vlan
<1-4094>	Access Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport access vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>
```

switchport access vlan tenant external-svi

switchport access vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to the L2 Access Interface

Syntax:

vlan	Access Vlan
<1-4094>	Access Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport access vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD
```

switchport access vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to Acess L2 Interface

Syntax:

vlan	Access Vlan
<1-4094>	Access Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# switchport access vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD
```

switchport access vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to the L2 Access Interface

Syntax:

vlan	Access Vlan
<1-4094>	Access Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport access vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD
```

switchport access vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to Acess L2 Interface

Syntax:

vlan	Access Vlan
<1-4094>	Access Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport access vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD
```

switchport access vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to Acess L2 Interface

Syntax:

vlan	Access Vlan
<1-4094>	Access Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport access vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD
```

switchport fill-pattern

switchport fill-pattern <arg>

Description: Configure fill pattern for fc interface

Syntax:

arg	

Command Mode: template fc-policy-group : Configure FC Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-policy-group <WORD>
(config-fc-pol-grp-if)# switchport fill-pattern <>
```

switchport fill-pattern <arg>

Description: Configure Interface fillPattern

Syntax:

arg	

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# switchport fill-pattern <>
```

switchport fill-pattern <arg>

Description: Configure Interface fillPattern

Syntax:

arg	

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# switchport fill-pattern <>
```

switchport fillpattern

switchport fillpattern <arg>

Description: Configure Interface fillPattern

Syntax:

arg	

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport fillpattern <>
```

switchport fillpattern <arg>

Description: Configure Interface fillPattern

Syntax:

arg	

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport fillpattern <>
```

switchport mode

switchport mode <arg>

Description: Configure port mode for fc interface

Syntax:

arg	

Command Mode: template fc-policy-group : Configure FC Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-policy-group <WORD>
(config-fc-pol-grp-if)# switchport mode <>
```

switchport mode <arg>

Description: Configure switchport mode for interface

Syntax:

arg	
arg	

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport mode <>
```

switchport mode <arg>

Description: Configure switchport mode for vfc interface

Syntax:

arg	
arg	

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
```

```
(config-po-ch-if)# switchport mode <>
```

switchport mode dot1q-tunnel <arg>

Description: Tunnel Configuration

Syntax:

dot1q-tunnel	QinQ Tunnel Configuration
arg	

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport mode dot1q-tunnel <>
```

switchport mode dot1q-tunnel <arg>

Description: Tunnel Configuration

Syntax:

dot1q-tunnel	QinQ Tunnel Configuration
arg	

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport mode dot1q-tunnel <>
```

switchport mode <arg>

Description: Configure switchport mode for vfc interface

Syntax:

arg	

Command Mode: interface vfc : Virtual Fiber Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc <ifRange>
```

```
(config-leaf-if)# switchport mode <>
```

switchport mode <arg>

Description: Configure switchport mode for vfc interface

Syntax:

arg	

Command Mode: interface vfc-po : VFC Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc-po <WORD> [fex <fex>]
(config-leaf-if)# switchport mode <>
```

switchport mode <arg>

Description: Configure Port Mode

Syntax:

arg	

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# switchport mode <>
```

switchport mode <arg>

Description: Configure Port Mode

Syntax:

arg	

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport mode <>
```

switchport mode dot1q-tunnel <arg>

Description: Tunnel Configuration

Syntax:

dot1q-tunnel	QinQ Tunnel Configuration
arg	

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport mode dot1q-tunnel <>
```

switchport mode dot1q-tunnel <arg>

Description: Tunnel Configuration

Syntax:

dot1q-tunnel	QinQ Tunnel Configuration
arg	

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport mode dot1q-tunnel <>
```

switchport mode <arg>

Description: Configure switchport mode for vfc interface

Syntax:

arg	

Command Mode: interface vfc : Virtual Fiber Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc <ifRange>
(config-leaf-if)# switchport mode <>
```

switchport mode <arg>

Description: Configure switchport mode for vfc interface

Syntax:

arg	

Command Mode: interface vfc-po : VFC Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc-po <WORD> [fex <fex>]
(config-leaf-if)# switchport mode <>
```

switchport mode <arg>

Description: Configure Port Mode

Syntax:

arg	

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# switchport mode <>
```

switchport mode <arg>

Description: Configure Port Mode

Syntax:

arg	

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport mode <>
```

switchport mode <arg>

Description: Configure switchport mode for interface

Syntax:

switchport mode

arg	
arg	

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport mode <>
```

switchport port-authentication

switchport port-authentication <WORD>

Description: Port authentication configuration

Syntax:

WORD	Port authentication Policy Group Name (Max Size 64)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-authentication <WORD>
```

switchport port-authentication enable

switchport port-authentication enable

Description: Set admin state to enabled

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication enable
```

switchport port-authentication enable

Description: Set admin state to enabled

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication enable
```

switchport port-authentication host-mode

switchport port-authentication host-mode \<arg\>

Description: Set host mode

Syntax:

arg	Host mode

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication host-mode <>
```

switchport port-authentication host-mode \<arg\>

Description: Set host mode

Syntax:

arg	Host mode

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication host-mode <>
```

switchport port-authentication mac-auth

switchport port-authentication mac-auth <WORD>

Description: Set MAC Auth

Syntax:

WORD	MAC Auth Mode

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication mac-auth <WORD>
```

switchport port-authentication mac-auth <WORD>

Description: Set MAC Auth

Syntax:

WORD	MAC Auth Mode

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication mac-auth <WORD>
```

switchport port-authentication max-reauth-request

switchport port-authentication max-reauth-request <1-10>

Description: Set reauth request

Syntax:

<1-10>	Set reauth request

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication max-reauth-request <1-10>
```

switchport port-authentication max-reauth-request <1-10>

Description: Set reauth request

Syntax:

<1-10>	Set reauth request

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication max-reauth-request <1-10>
```

switchport port-authentication max-request

switchport port-authentication max-request <2-10>

Description: Set max request

Syntax:

<2-10>	Set max request

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication max-request <2-10>
```

switchport port-authentication max-request <2-10>

Description: Set max request

Syntax:

<2-10>	Set max request

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication max-request <2-10>
```

switchport port-authentication reauth-period

switchport port-authentication reauth-period <30-2147483>

Description: Set reauth period

Syntax:

<30-2147483>	Set reauth period

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication reauth-period <30-2147483>
```

switchport port-authentication reauth-period <30-2147483>

Description: Set reauth period

Syntax:

<30-2147483>	Set reauth period

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication reauth-period <30-2147483>
```

switchport port-authentication reauth

switchport port-authentication reauth

Description: Set reauth request

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication reauth
```

switchport port-authentication reauth

Description: Set reauth request

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication reauth
```

switchport port-authentication server-timeout

switchport port-authentication server-timeout <2-65535>

Description: Set server timeout

Syntax:

<2-65535>	Set server timeout

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication server-timeout <2-65535>
```

switchport port-authentication server-timeout <2-65535>

Description: Set server timeout

Syntax:

<2-65535>	Set server timeout

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication server-timeout <2-65535>
```

switchport port-authentication supp-timeout

switchport port-authentication supp-timeout <2-65535>

Description: Set supplicant timeout

Syntax:

<2-65535>	Set supplicant timeout

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication supp-timeout <2-65535>
```

switchport port-authentication supp-timeout <2-65535>

Description: Set supplicant timeout

Syntax:

<2-65535>	Set supplicant timeout

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication supp-timeout <2-65535>
```

switchport port-authentication tx-period

switchport port-authentication tx-period <2-65535>

Description: Set Tx period

Syntax:

<2-65535>	Set Tx period

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication tx-period <2-65535>
```

switchport port-authentication tx-period <2-65535>

Description: Set Tx period

Syntax:

<2-65535>	Set Tx period

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-authentication tx-period <2-65535>
```

switchport port-security maximum

switchport port-security maximum <count>

Description:

Syntax:

count	. Number range from=0 to=12000

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-security maximum <count>
```

switchport port-security maximum <count>

Description:

Syntax:

count	. Number range from=0 to=12000

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# switchport port-security maximum <count>
```

switchport port-security maximum <arg>

Description: Port-security configuration

Syntax:

arg	. Number range from=0 to=12000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-security maximum <>
```

switchport port-security maximum <arg>

Description: Port-security configuration

Syntax:

arg	. Number range from=0 to=12000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport port-security maximum <>
```

switchport port-security maximum <arg>

Description: Port-security configuration

Syntax:

arg	. Number range from=0 to=12000

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-security maximum <>
```

switchport port-security maximum <arg>

Description: Port-security configuration

Syntax:

arg	. Number range from=0 to=12000

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport port-security maximum <>
```

switchport port-security maximum <arg>

Description: Port-security configuration

Syntax:

arg	. Number range from=0 to=12000

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport port-security maximum <>
```

switchport port-security timeout

switchport port-security timeout \<count>

Description:

Syntax:

count	. Number range from=60 to=3600

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-security timeout <count>
```

switchport port-security timeout \<count>

Description:

Syntax:

count	. Number range from=60 to=3600

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# switchport port-security timeout <count>
```

switchport port-security timeout \<arg>

Description: port-security configuration

Syntax:

arg	. Number range from=60 to=3600

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-security timeout <>
```

switchport port-security timeout <arg>

Description: port-security configuration

Syntax:

arg	. Number range from=60 to=3600

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport port-security timeout <>
```

switchport port-security timeout <arg>

Description: port-security configuration

Syntax:

arg	. Number range from=60 to=3600

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-security timeout <>
```

switchport port-security timeout <arg>

Description: port-security configuration

Syntax:

arg	. Number range from=60 to=3600

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport port-security timeout <>
```

switchport port-security timeout <arg>

Description: port-security configuration

Syntax:

arg	. Number range from=60 to=3600

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport port-security timeout <>
```

switchport port-security violation

switchport port-security violation protect

Description:

Syntax:

protect	

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport port-security violation protect
```

switchport port-security violation protect

Description:

Syntax:

protect	

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# switchport port-security violation protect
```

switchport port-security violation protect

Description: Port-security configuration

Syntax:

protect	

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-security violation protect
```

switchport port-security violation protect

Description: Port-security configuration

Syntax:

protect	

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport port-security violation protect
```

switchport port-security violation protect

Description: Port-security configuration

Syntax:

protect	

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport port-security violation protect
```

switchport port-security violation protect

Description: Port-security configuration

Syntax:

protect	

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport port-security violation protect
```

switchport port-security violation protect

Description: Port-security configuration

Syntax:

protect	

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport port-security violation protect
```

switchport power-over-ethernet

switchport power-over-ethernet <WORD>

Description: Power Over Ethernet configuration

Syntax:

WORD	PoE Interface Policy Name (Max Size 64)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport power-over-ethernet <WORD>
```

switchport power-over-ethernet consumption

switchport power-over-ethernet consumption <4000-30000>

Description: Set power wattage for interface consumption

Syntax:

<4000-30000>	Interface power consumption in milliwatts

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet consumption <4000-30000>
```

switchport power-over-ethernet consumption <4000-30000>

Description: Set power wattage for interface consumption

Syntax:

<4000-30000>	Interface power consumption in milliwatts

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet consumption <4000-30000>
```

switchport power-over-ethernet epg

switchport power-over-ethernet epg tenant <arg> application <arg> epg <arg>

Description: EPG the Power Device will connect to

Syntax:

tenant	Tenant hosting the EPg
arg	
application	Application Name
arg	
epg	EPg for the Power Device
arg	

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet epg tenant <> application <> epg <>
```

switchport power-over-ethernet epg tenant <arg> application <arg> epg <arg>

Description: EPG the Power Device will connect to

Syntax:

tenant	Tenant hosting the EPg
arg	
application	Application Name
arg	
epg	EPg for the Power Device
arg	

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
```

switchport power-over-ethernet epg

```
(config-leaf-if)# switchport power-over-ethernet epg tenant <> application <> epg <>
```

switchport power-over-ethernet max

switchport power-over-ethernet max <4000-30000>

Description: Set max power wattage for interface

Syntax:

<4000-30000>	Max power consumption in milliwatts

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet max <4000-30000>
```

switchport power-over-ethernet max <4000-30000>

Description: Set max power wattage for interface

Syntax:

<4000-30000>	Max power consumption in milliwatts

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet max <4000-30000>
```

switchport power-over-ethernet mode

switchport power-over-ethernet mode <power mode>

Description: Set mode

Syntax:

power mode	Power Mode

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet mode <power mode>
```

switchport power-over-ethernet mode <power mode>

Description: Set mode

Syntax:

power mode	Power Mode

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet mode <power mode>
```

switchport power-over-ethernet policeact

switchport power-over-ethernet policeact <arg>

Description: Policing Action

Syntax:

arg	Policing Action

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet policeact <>
```

switchport power-over-ethernet policeact <arg>

Description: Policing Action

Syntax:

arg	Policing Action

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet policeact <>
```

switchport power-over-ethernet priority

switchport power-over-ethernet priority <high|low>

Description: Set port priority

Syntax:

<high/low>	Port priority high or low

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet priority <high|low>
```

switchport power-over-ethernet priority <high|low>

Description: Set port priority

Syntax:

<high/low>	Port priority high or low

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet priority <high|low>
```

switchport power-over-ethernet vlan

switchport power-over-ethernet vlan <1-4094>

Description: Vlan encap for the Power Device

Syntax:

<1-4094>	Configure Vlan ID

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet vlan <1-4094>
```

switchport power-over-ethernet vlan <1-4094>

Description: Vlan encap for the Power Device

Syntax:

<1-4094>	Configure Vlan ID

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport power-over-ethernet vlan <1-4094>
```

switchport rxbbcredit

switchport rxbbcredit <arg>

Description: Configure rxBBCredit for fc interface

Syntax:

arg	Receive Buffer Credit. Number range from=16 to=64

Command Mode: template fc-policy-group : Configure FC Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-policy-group <WORD>
(config-fc-pol-grp-if)# switchport rxbbcredit <>
```

switchport rxbbcredit <arg>

Description: Configure rxBBCredit for fc interface

Syntax:

arg	Receive Buffer Credit. Number range from=16 to=64

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# switchport rxbbcredit <>
```

switchport rxbbcredit <arg>

Description: Configure rxBBCredit for fc interface

Syntax:

arg	Receive Buffer Credit. Number range from=16 to=64

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport rxbbcredit <>
```

switchport rxbbcredit <arg>

Description: Configure rxBBCredit for fc interface

Syntax:

arg	Receive Buffer Credit. Number range from=16 to=64

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# switchport rxbbcredit <>
```

switchport rxbbcredit <arg>

Description: Configure rxBBCredit for fc interface

Syntax:

arg	Receive Buffer Credit. Number range from=16 to=64

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport rxbbcredit <>
```

switchport speed

switchport speed <arg>

Description: Configure speed for fc interface

Syntax:

arg	

Command Mode: template fc-policy-group : Configure FC Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-policy-group <WORD>
(config-fc-pol-grp-if)# switchport speed <>
```

switchport speed <interfaceSpeed>

Description: Configure Interface Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# switchport speed <interfaceSpeed>
```

switchport speed <interfaceSpeed>

Description: Configure Interface Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport speed <interfaceSpeed>
```

switchport speed <interfaceSpeed>

Description: Configure Interface Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# switchport speed <interfaceSpeed>
```

switchport speed <interfaceSpeed>

Description: Configure Interface Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport speed <interfaceSpeed>
```

switchport speed max

switchport speed <interfaceSpeed> max <AutoMaxSpeed>

Description: Configure Interface Max Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy
AutoMaxSpeed	Interface Max Speed Policy

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# switchport speed <interfaceSpeed> max <AutoMaxSpeed>
```

switchport speed <interfaceSpeed> max <AutoMaxSpeed>

Description: Configure Interface Max Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy
AutoMaxSpeed	Interface Max Speed Policy

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport speed <interfaceSpeed> max <AutoMaxSpeed>
```

switchport speed <interfaceSpeed> max <AutoMaxSpeed>

Description: Configure Interface Max Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy
AutoMaxSpeed	Interface Max Speed Policy

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# switchport speed <interfaceSpeed> max <AutoMaxSpeed>
```

switchport speed <interfaceSpeed> max <AutoMaxSpeed>

Description: Configure Interface Max Speed

Syntax:

<interfaceSpeed>	Interface Speed Policy
AutoMaxSpeed	Interface Max Speed Policy

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport speed <interfaceSpeed> max <AutoMaxSpeed>
```

switchport tenant

switchport tenant <WORD> dot1q-tunnel <WORD>

Description: dot1q-tunnel Configuration

Syntax:

WORD	Tenant hosting the EPg (Max Size 63)
dot1q-tunnel	Add an dot1q-tunnel
WORD	Tunnel EPG name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport tenant <WORD> dot1q-tunnel <WORD>
```

switchport tenant <WORD> dot1q-tunnel <WORD>

Description: dot1q-tunnel Configuration

Syntax:

WORD	Tenant hosting the EPg (Max Size 63)
dot1q-tunnel	Add an dot1q-tunnel
WORD	Tunnel EPG name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport tenant <WORD> dot1q-tunnel <WORD>
```

switchport tenant <WORD> dot1q-tunnel <WORD>

Description: dot1q-tunnel Configuration

Syntax:

WORD	Tenant hosting the EPg (Max Size 63)
dot1q-tunnel	Add an dot1q-tunnel

WORD	Tunnel EPG name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport tenant <WORD> dot1q-tunnel <WORD>
```

switchport tenant <WORD> dot1q-tunnel <WORD>

Description: dot1q-tunnel Configuration

Syntax:

WORD	Tenant hosting the EPg (Max Size 63)
dot1q-tunnel	Add an dot1q-tunnel
WORD	Tunnel EPG name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport tenant <WORD> dot1q-tunnel <WORD>
```

switchport tenant <WORD> dot1q-tunnel <WORD>

Description: dot1q-tunnel Configuration

Syntax:

WORD	Tenant hosting the EPg (Max Size 63)
dot1q-tunnel	Add an dot1q-tunnel
WORD	Tunnel EPG name (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport tenant <WORD> dot1q-tunnel <WORD>
```

switchport trunk-mode

switchport trunk-mode <arg>

Description: Configure trunkMode for fc interface

Syntax:

arg	

Command Mode: template fc-policy-group : Configure FC Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-policy-group <WORD>
(config-fc-pol-grp-if)# switchport trunk-mode <>
```

switchport trunk-mode <arg>

Description: Configure Interface Trunking Mode

Syntax:

arg	

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# switchport trunk-mode <>
```

switchport trunk-mode <arg>

Description: Configure Interface Trunking Mode

Syntax:

arg	

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# switchport trunk-mode <>
```

switchport trunk allowed vlan inband-mgmt

switchport trunk allowed vlan <NUMBER> inband-mgmt <A.B.C.D/LEN>

Description: Configure External L2 connectivity to inband Mnaagement

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D/LEN	Gateway IP Address for External Connectivity format x.x.x.x/m

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> inband-mgmt <A.B.C.D/LEN>
```

switchport trunk allowed vlan <NUMBER> inband-mgmt <A.B.C.D/LEN>

Description: Configure External L2 connectivity to inband Mnaagement

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A.B.C.D/LEN	Gateway IP Address for External Connectivity format x.x.x.x/m

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> inband-mgmt <A.B.C.D/LEN>
```

switchport trunk allowed vlan tenant application

switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD>
 epg <WORD>
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD>
```

```
epg <WORD>
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD> [primary-vlan primary-vlan <evlan>]

Description: Add an AEPg as static encap

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)
primary-vlan <evlan>	(Optional) Vlan for egress traffic when EPG isolation is enforced

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD>
epg <WORD> [primary-vlan primary-vlan <evlan>]
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD>
epg <WORD>
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD> [primary-vlan primary-vlan <evlan>]

Description: Add an AEPg as static encap

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)
primary-vlan <evlan>	(Optional) Vlan for egress traffic when EPG isolation is enforced

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD>
epg <WORD> [primary-vlan primary-vlan <evlan>]
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap

| WORD | EPg that uses the statically enabled Encap (Max Size 64) |

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD>
epg <WORD>
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> application <WORD>
epg <WORD>
```

switchport trunk allowed vlan tenant external-l2

switchport trunk allowed vlan <NUMBER> tenant <WORD> external-l2 epg <WORD>

Description: Add a L2 external EPG on the interface

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
epg	L2 external EPG name
WORD	L2 external EPG name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> external-l2 epg
<WORD>
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> external-l2 epg <WORD>

Description: Add a L2 external EPG on the interface

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
epg	L2 external EPG name
WORD	L2 external EPG name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> external-l2 epg
```

`<WORD>`

switchport trunk allowed vlan <NUMBER> tenant <WORD> external-l2 epg <WORD>

Description: Add a L2 external EPG on the interface

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
epg	L2 external EPG name
WORD	L2 external EPG name (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> external-l2 epg
<WORD>
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> external-l2 epg <WORD>

Description: Add a L2 external EPG on the interface

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
epg	L2 external EPG name
WORD	L2 external EPG name (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> external-l2 epg
<WORD>
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> external-l2 epg <WORD>

Description: Add a L2 external EPG on the interface

Syntax:

<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
epg	L2 external EPG name
WORD	L2 external EPG name (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> external-l2 epg <WORD>
```

switchport trunk allowed vlan tenant external-svi

switchport trunk allowed vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to the L2 Interface

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> external-svi [l3out]
 WORD
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to the L2 Interface

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> external-svi [l3out]
```

```
WORD
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to the L2 Interface

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> external-svi [l3out]
 WORD
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to the L2 Interface

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> external-svi [l3out]
 WORD
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to the L2 Interface

Syntax:

<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> external-svi [l3out]
 WORD
```

switchport trunk allowed vlan tenant legacy-forwarding

switchport trunk allowed vlan <NUMBER> tenant <WORD> legacy-forwarding

Description: Add legacy forwarding on the vlan supplied

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> legacy-forwarding
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> legacy-forwarding

Description: Add legacy forwarding on the vlan supplied

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> legacy-forwarding
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> legacy-forwarding

Description: Add legacy forwarding on the vlan supplied

Syntax:

vlan	Encapsulation Vlan

<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> legacy-forwarding
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> legacy-forwarding

Description: Add legacy forwarding on the vlan supplied

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> legacy-forwarding
```

switchport trunk allowed vlan <NUMBER> tenant <WORD> legacy-forwarding

Description: Add legacy forwarding on the vlan supplied

Syntax:

<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
tenant	Tenant hosting the EPg
WORD	Tenant hosting the EPg (Max Size 63)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
```

switchport trunk allowed vlan tenant legacy-forwarding

```
(config-vpc-if)# switchport trunk allowed vlan <NUMBER> tenant <WORD> legacy-forwarding
```

switchport trunk allowed vsan tenant application

switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

vsan	Encapsulation vsan
vsan-id	VSAN Id. Number range from=1 to=4093
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface vfc : Virtual Fiber Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc <ifRange>
(config-leaf-if)# switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD>
 epg <WORD>
```

switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

vsan	Encapsulation vsan
vsan-id	VSAN Id. Number range from=1 to=4093
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface vfc-po : VFC Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# interface vfc-po <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD>
 epg <WORD>
```

switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

vsan	Encap vsan
vsan-id	VSAN Id. Number range from=1 to=4093
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# switchport trunk allowed vsan <vsan-id> tenant <WORD> application
<WORD> epg <WORD>
```

switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

vsan	Encapsulation vsan
vsan-id	VSAN Id. Number range from=1 to=4093
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport trunk allowed vsan <vsan-id> tenant <WORD> application
<WORD> epg <WORD>
```

switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

vsan	Encapsulation vsan
vsan-id	VSAN Id. Number range from=1 to=4093
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface vfc : Virtual Fiber Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc <ifRange>
(config-leaf-if)# switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD>
 epg <WORD>
```

switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

vsan	Encapsulation vsan
vsan-id	VSAN Id. Number range from=1 to=4093
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface vfc-po : VFC Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
```

```
(config-spine)# interface vfc-po <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD>
 epg <WORD>
```

switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

vsan	Encap vsan
vsan-id	VSAN Id. Number range from=1 to=4093
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# switchport trunk allowed vsan <vsan-id> tenant <WORD> application
<WORD> epg <WORD>
```

switchport trunk allowed vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

vsan	Encapsulation vsan
vsan-id	VSAN Id. Number range from=1 to=4093
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
```

```
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport trunk allowed vsan <vsan-id> tenant <WORD> application
<WORD> epg <WORD>
```

switchport trunk native vlan tenant application

switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD>
 epg <WORD>
```

switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

vlan	Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD>
```

```
epg <WORD>
```

switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the AEPg

Syntax:

vlan	Native Vlan
<1-4094>	Native Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD>
epg <WORD>
```

switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the AEPg

Syntax:

vlan	Native Vlan
<1-4094>	Native Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD>
epg <WORD>
```

switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the AEPg

Syntax:

vlan	Native Vlan
<1-4094>	Native Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD>
epg <WORD>
```

switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the AEPg

Syntax:

vlan	Native Vlan
<1-4094>	Native Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD>
epg <WORD>
```

switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application hosting the AEPg

Syntax:

vlan	Native Vlan
<1-4094>	Native Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport trunk native vlan <NUMBER> tenant <WORD> application <WORD> epg
 <WORD>
```

switchport trunk native vlan tenant external-svi

switchport trunk native vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to the L2 Trunk Interface

Syntax:

vlan	Native Vlan
<1-4094>	Native Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk native vlan <NUMBER> tenant <WORD> external-svi [l3out]
 WORD
```

switchport trunk native vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate Native Vlan to the L2 Trunk Interface as external SVI

Syntax:

vlan	Native Vlan
<1-4094>	Native Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
```

```
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk native vlan <NUMBER> tenant <WORD> external-svi [l3out]
 WORD
```

switchport trunk native vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to the L2 Trunk Interface

Syntax:

vlan	Native Vlan
<1-4094>	Native Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk native vlan <NUMBER> tenant <WORD> external-svi [l3out]
 WORD
```

switchport trunk native vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate Native Vlan to the L2 Trunk Interface as external SVI

Syntax:

vlan	Native Vlan
<1-4094>	Native Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
```

```
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk native vlan <NUMBER> tenant <WORD> external-svi [l3out]
 WORD
```

switchport trunk native vlan <NUMBER> tenant <WORD> external-svi [l3out] WORD

Description: Associate SVI to Trunk L2 Interface

Syntax:

vlan	Native Vlan
<1-4094>	Native Vlan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
l3out	(Optional) Specify one or more l3extOut to add SVI interface
WORD	l3extOut Name

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport trunk native vlan <NUMBER> tenant <WORD> external-svi [l3out]
WORD
```

switchport trunk qinq outer-vlan inner-vlan tenant application

switchport trunk qinq outer-vlan <NUMBER> inner-vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

outer-vlan	Encapsulation Outer Vlan
<1-4094>	Encapsulation Outer Vlan. Number range from=1 to=4094
inner-vlan	Encapsulation Inner Vlan
<1-4094>	Encapsulation Inner Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk qinq outer-vlan <NUMBER> inner-vlan <NUMBER> tenant
<WORD> application <WORD> epg <WORD>
```

switchport trunk qinq outer-vlan <NUMBER> inner-vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

outer-vlan	Encapsulation Outer Vlan
<1-4094>	Encapsulation Outer Vlan. Number range from=1 to=4094
inner-vlan	Encapsulation Inner Vlan
<1-4094>	Encapsulation Inner Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)

epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk qinq outer-vlan <NUMBER> inner-vlan <NUMBER> tenant
<WORD> application <WORD> epg <WORD>
```

switchport trunk qinq outer-vlan <NUMBER> inner-vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

outer-vlan	Encapsulation Outer Vlan
<1-4094>	Encapsulation Outer Vlan. Number range from=1 to=4094
inner-vlan	Encapsulation Inner Vlan
<1-4094>	Encapsulation Inner Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport trunk qinq outer-vlan <NUMBER> inner-vlan <NUMBER> tenant
<WORD> application <WORD> epg <WORD>
```

switchport trunk qinq outer-vlan <NUMBER> inner-vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

outer-vlan	Encapsulation Outer Vlan

<1-4094>	Encapsulation Outer Vlan. Number range from=1 to=4094
inner-vlan	Encapsulation Inner Vlan
<1-4094>	Encapsulation Inner Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport trunk qinq outer-vlan <NUMBER> inner-vlan <NUMBER> tenant
<WORD> application <WORD> epg <WORD>
```

switchport trunk qinq outer-vlan <NUMBER> inner-vlan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Add an AEPg as static encap

Syntax:

outer-vlan	Encapsulation Outer Vlan
<1-4094>	Encapsulation Outer Vlan. Number range from=1 to=4094
inner-vlan	Encapsulation Inner Vlan
<1-4094>	Encapsulation Inner Vlan. Number range from=1 to=4094
WORD	Tenant hosting the EPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport trunk qinq outer-vlan <NUMBER> inner-vlan <NUMBER> tenant <WORD>
```

switchport trunk qinq outer-vlan inner-vlan tenant application

```
application <WORD> epg <WORD>
```

switchport trunkmode

switchport trunkmode <arg>

Description: Configure Interface Trunking Mode

Syntax:

arg	

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport trunkmode <>
```

switchport trunkmode <arg>

Description: Configure Interface Trunking Mode

Syntax:

arg	

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport trunkmode <>
```

switchport vepa

switchport vepa enabled

Description: Switchport vepa configuration

Syntax:

enabled	

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport vepa enabled
```

switchport vepa enabled

Description: Vepa configuration

Syntax:

enabled	

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# switchport vepa enabled
```

switchport vepa enabled

Description: Vepa configuration

Syntax:

enabled	

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport vepa enabled
```

switchport vepa enabled

Description: Vepa Configuration

Syntax:

enabled	

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport vepa enabled
```

switchport vepa enabled

Description: Vepa configuration

Syntax:

enabled	

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport vepa enabled
```

switchport vepa enabled

Description: Vepa Configuration

Syntax:

enabled	

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport vepa enabled
```

switchport vepa enabled

Description: Vepa Configuration

Syntax:

enabled	

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport vepa enabled
```

switchport vlan

switchport vlan scope local

Description: Switchport vlan configuration

Syntax:

scope	
local	Local Scope

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport vlan scope local
```

switchport vlan scope local

Description:

Syntax:

scope	
local	Local Scope

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# switchport vlan scope local
```

switchport vlan scope local

Description: L2 configuration

Syntax:

scope	
local	Local Scope

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# switchport vlan scope local
```

switchport vlan scope local

Description:

Syntax:

scope	
local	Local Scope

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport vlan scope local
```

switchport vlan scope local

Description: L2 configuration

Syntax:

scope	
local	Local Scope

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# switchport vlan scope local
```

switchport vlan scope local

Description:

Syntax:

scope	
local	Local Scope

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# switchport vlan scope local
```

switchport vlan scope local

Description:

Syntax:

scope	
local	Local Scope

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport vlan scope local
```

switchport vsan

switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Encapsulation vsan

Syntax:

vsan-id	VSAN Id. Number range from=1 to=4093
tenant	Tenant Name
WORD	Tenant hosting the EPg (Max Size 63)
application	Application Name
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface vfc : Virtual Fiber Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc <ifRange>
(config-leaf-if)# switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>
```

switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Encapsulation vsan

Syntax:

vsan-id	VSAN Id. Number range from=1 to=4093
tenant	Tenant Name
WORD	Tenant hosting the EPg (Max Size 63)
application	Application Name
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface vfc-po : VFC Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc-po <WORD> [fex <fex>]
(config-leaf-if)# switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>
```

switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Encapsulation vsan

Syntax:

vsan-id	VSAN Id. Number range from=1 to=4093
tenant	Tenant Name
WORD	Tenant hosting the EPg (Max Size 63)
application	Application Name
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>
```

switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Encapsulation vsan

Syntax:

vsan-id	VSAN Id. Number range from=1 to=4093
tenant	Tenant Name
WORD	Tenant hosting the EPg (Max Size 63)
application	Application Name
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>
```

switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Encapsulation vsan

Syntax:

vsan-id	VSAN Id. Number range from=1 to=4093
tenant	Tenant Name
WORD	Tenant hosting the EPg (Max Size 63)
application	Application Name
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface vfc : Virtual Fiber Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc <ifRange>
(config-leaf-if)# switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>
```

switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Encapsulation vsan

Syntax:

vsan-id	VSAN Id. Number range from=1 to=4093
tenant	Tenant Name
WORD	Tenant hosting the EPg (Max Size 63)
application	Application Name
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface vfc-po : VFC Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc-po <WORD> [fex <fex>]
(config-leaf-if)# switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>
```

switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Encapsulation vsan

Syntax:

vsan-id	VSAN Id. Number range from=1 to=4093
tenant	Tenant Name
WORD	Tenant hosting the EPg (Max Size 63)
application	Application Name
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>
```

switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>

Description: Encapsulation vsan

Syntax:

vsan-id	VSAN Id. Number range from=1 to=4093
tenant	Tenant Name
WORD	Tenant hosting the EPg (Max Size 63)
application	Application Name
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap

WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# switchport vsan <vsan-id> tenant <WORD> application <WORD> epg <WORD>
```

switchport vsan tenant application

switchport vsan <NUMBER> tenant <WORD> application <WORD> epg <WORD>

Description: Application Name

Syntax:

<1-4094>	Access Vsan. Number range from=1 to=4094
tenant	Tenant hosting the AEPg
WORD	Tenant hosting the AEPg (Max Size 63)
WORD	Application Name (Max Size 64)
epg	EPg that uses the statically enabled Encap
WORD	EPg that uses the statically enabled Encap (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# switchport vsan <NUMBER> tenant <WORD> application <WORD> epg <WORD>
```

syslog

syslog common

Description: Syslog common policy configuration mode

Syntax:

common	Syslog common policy configuration mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# syslog common
```

system cluster-size

system cluster-size <NUMBER>

Description: Set APIC cluster size

Syntax:

<size>	size of the cluster to be set. Number range from=1 to=16

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system cluster-size <NUMBER>
```

system controller-id

system controller-id <serial-number> approve|reject

Description: Configure Controller Id for controllers in fabric

Syntax:

serial-number	Controller serial number
approve	Approve controller
reject	Reject controller

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system controller-id <serial-number> approve|reject
```

system dynamic-load-balance

**system dynamic-load-balance mode
link-failure-resiliency|dynamic-aggressive|dynamic-conservative|packet-prioritization**

Description: Configure dynamic load balancer

Syntax:

mode	Dynamic load balancer mode
link-failure-resiliency	Link failure resiliency mode
dynamic-aggressive	Aggressive dynamic mode
dynamic-conservative	Conservative dynamic mode
packet-prioritization	Packet prioritization mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system dynamic-load-balance mode
link-failure-resiliency|dynamic-aggressive|dynamic-conservative|packet-prioritization
```

system enable-remote-leaf-direct

system enable-remote-leaf-direct

Description: Fabric wide setting (Enable Remote Leaf Direct) in the fabric

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system enable-remote-leaf-direct
```

system enforce-subnet-check

system enforce-subnet-check

Description: Enforce subnet check on all VRFs

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system enforce-subnet-check
```

system fabric-security-mode

system fabric-security-mode <mode>

Description: Set strict/permissive mode for ACI Fabric Internode Authentication

Syntax:

<mode>	Security mode as comma separated values like val1,val2,..valN

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system fabric-security-mode <mode>
```

system jumbomtu

system jumbomtu <NUMBER>

Description: MTU size for Host Facing ports

Syntax:

<576-9216>	Enter jumbomtu. Number range from=576 to=9216

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system jumbomtu <NUMBER>
```

system pod

system pod <NUMBER>

Description: System POD in the Fabric Management Commands

Syntax:

<1-255>	POD ID. Number range from=1 to=255

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system pod <NUMBER>
```

system pod routable-tep-pool

system pod <NUMBER> routable-tep-pool <A.B.C.D/LEN> reserved-ip-count <ip-count>

Description: Routable Tunnel Endpoint IP Address Pool

Syntax:

<1-255>	POD ID. Number range from=1 to=255
A.B.C.D/LEN	Unicast IP prefix and network mask length in format x.x.x.x/m
reserved-ip-count	reserved-ip-count
ip-count	Total number of IPs that will be reserved from the beginning of the pool.. Number range from=0 to=255

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system pod <NUMBER> routable-tep-pool <A.B.C.D/LEN> reserved-ip-count <ip-count>
```

system pod tep-pool

system pod \<NUMBER> tep-pool \<A.B.C.D/LEN>

Description: Tunnel Endpoint IP Address Pool for the pod

Syntax:

\<1-255>	POD ID. Number range from=1 to=255
A.B.C.D/LEN	Unicast IP prefix and network mask length in format x.x.x.x/m

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system pod <NUMBER> tep-pool <A.B.C.D/LEN>
```

system remote-leaf-site

system remote-leaf-site <NUMBER> pod <pod> tep-pool <A.B.C.D/LEN>

Description: Remote Leaf Site in the fabric

Syntax:

<1-255>	SITE ID. Number range from=1 to=255
pod	Pod Id
pod	pod. Number range from=0 to=9223372036854775807
tep-pool	Tunnel Endpoint IP Address Pool
A.B.C.D/LEN	Unicast IP prefix and network mask length in format x.x.x.x/m

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system remote-leaf-site <NUMBER> pod <pod> tep-pool <A.B.C.D/LEN>
```

system rl-direct

system rl-direct

Description: Enable RemoteLeaf Direct Mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system rl-direct
```

system rlpodred-policy

system rlpodred-policy enable|disable pre-emption enable|disable

Description: Enable RemoteLeaf Policy

Syntax:

enable	Enable RemoteLeaf Policy
disable	Disable RemoteLeaf Policy
pre-emption	Enable remote leaf Pre-emption
enable	Enable remote leaf Preemption
disable	Disable remote leaf Pre-emption

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system rlpodred-policy enable|disable pre-emption enable|disable
```

system switch-id

system switch-id <serial-number> <node-Id> <WORD> [pod <arg>] [role <arg>] [remote-leaf-site <1-255>] [node-type <arg>]

Description: Configure Node Id for switches in fabric

Syntax:

<serial-number>	Switch serial number
node-Id	Switch ID. Number range from=101 to=4000
WORD	Switch name
arg	(Optional) Pod Id of the the node. Default value is 1. Number range from=1 to=254
arg	(Optional) Role of Node - leaf or spine. Default is unspecified
<1-255>	(Optional) SITE ID
arg	(Optional) Type of Node only applicable for leaf. Default is unspecified

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system switch-id <serial-number> <node-Id> <WORD> [pod <>] [role <>]
[remote-leaf-site <1-255>] [node-type <>]
```

system use-infra-gipo

system use-infra-gipo enable

Description: Multicast Group IP Policy Mode for Tunnel Outer Header

Syntax:

enable	Multicast Group IP Policy Mode for Tunnel Outer Header

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# system use-infra-gipo enable
```

T Commands

tacacs-server host

tacacs-server host <A.B.C.D|A:B::C:D|WORD>

Description: TACACS+ server's DNS name or its IP address

Syntax:

| *A.B.C.D/A:B::C:D/WORD* | TACACS+ server's DNS name or its IP address |

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server host <A.B.C.D|A:B::C:D|WORD>
```

tacacs-server retries

tacacs-server retries <NUMBER>

Description: Global TACACS+ server retries period in seconds

Syntax:

<0-5>	Global TACACS+ server retries period in seconds. Number range from=0 to=5

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server retries <NUMBER>
```

tacacs-server timeout

tacacs-server timeout <NUMBER>

Description: Global TACACS+ server timeout period in seconds

Syntax:

<1-60>	Global TACACS+ server timeout period in seconds. Number range from=1 to=60

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server timeout <NUMBER>
```

tacacslog-group

tacacslog-group <WORD>

Description: configure tacacs group

Syntax:

WORD	Tacacs Accounting Group

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacslog-group <WORD>
```

tacacslog-monitoring

tacacslog-monitoring common tacacslog-src <WORD>

Description: TacacsLog common policy configuration mode

Syntax:

common	TacacsLog common policy configuration mode
tacacslog-src	TacacsLog common source
WORD	Logging source name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacslog-monitoring common tacacslog-src <WORD>
```

tag

tag **WORD**

Description: Add a tag to an epg

Syntax:

WORD	Tag for the object (Max Size 64)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# tag WORD
```

tag **<WORD>**

Description: Add a tag to an application

Syntax:

WORD	Tag for the object (Max Size 64)

Command Mode: application : application configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# tag <WORD>
```

tag **WORD**

Description: Add a tag to the tenant

Syntax:

WORD	Tag for the object (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# tag WORD
```

tag <NUMBER>

Description: Set Route Tag

Syntax:

<0-4294967295>	Route Tag Value. Number range from=0 to=4294967295

Command Mode: template route tag : Configure Route Tag Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route tag <WORD> tenant <WORD>
(config-route-tag)# tag <NUMBER>
```

tag <NUMBER>

Description: Set Route Tag

Syntax:

<0-4294967295>	Route Tag Value. Number range from=0 to=4294967295

Command Mode: template route tag : Configure Route Tag Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route tag <WORD> tenant <WORD>
(config-route-tag)# tag <NUMBER>
```

target

target self|children|subtree

Description: Configure target dn/class

Syntax:

self	Self
children	Children
subtree	Subtree

Command Mode: query : Configure Query profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# target self|children|subtree
```

target self|children|subtree

Description: Configure target dn/class

Syntax:

self	Self
children	Children
subtree	Subtree

Command Mode: query : Configure Query profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# target self|children|subtree
```

target <WORD>

Description: Snapshot target

Syntax:

WORD	infra, fabric or tenant-x

Command Mode: snapshot export : Configuration export setup mode

Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot export <WORD>
(config-export)# target <WORD>
```

telnet

telnet

Description: TELNET communication policy group

Command Mode: comm-policy : Configure any communication policy, ssh/telnet/shellinabox/http/https

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# telnet
```

template bfd

template bfd ip|ipv6 <WORD>

Description: BFD group of commands

Syntax:

ip	IPV4 Address
ipv6	IPV6 Address
WORD	Create a BFD policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd ip|ipv6 <WORD>
```

template bfd <WORD> tenant <WORD>

Description: Configure BFD Interface Policy Templates

Syntax:

WORD	BFD Interface Policy name (Max Size 64)
tenant	Tenant for the BFD Policy
WORD	Tenant name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd <WORD> tenant <WORD>
```

template bfd <WORD> tenant <WORD>

Description: Configure BFD Interface Policy Templates

Syntax:

WORD	BFD Interface Policy name (Max Size 64)
tenant	Tenant for the BFD Policy
WORD	Tenant name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd <WORD> tenant <WORD>
```

template bgp address-family

template bgp address-family <WORD> tenant <WORD>

Description: Configure Router BGP Address Family Templates

Syntax:

WORD	BGP Address Family Policy Name (Max Size 64)
tenant	Tenant for the BGP Policy
WORD	Tenant Name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp address-family <WORD> tenant <WORD>
```

template bgp address-family <WORD> tenant <WORD>

Description: Configure Router BGP Address Family Templates

Syntax:

WORD	BGP Address Family Policy Name (Max Size 64)
tenant	Tenant for the BGP Policy
WORD	Tenant Name

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp address-family <WORD> tenant <WORD>
```

template bgp timers

template bgp timers <WORD> tenant <WORD>

Description: Configure Router BGP Timer Policy Templates

Syntax:

WORD	Router BGP Timer Policy Name (Max Size 64)
tenant	Tenant for the BGP Policy
WORD	Tenant Name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp timers <WORD> tenant <WORD>
```

template bgp timers <WORD> tenant <WORD>

Description: Configure Router BGP Timer Policy Templates

Syntax:

WORD	Router BGP Timer Policy Name (Max Size 64)
tenant	Tenant for the BGP Policy
WORD	Tenant Name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp timers <WORD> tenant <WORD>
```

template cloudsec

template cloudsec <WORD>

Description: Configure cloudsec Policies

Syntax:

WORD	WORD

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template cloudsec <WORD>
```

template control-plane-policing-prefilter-leaf

template control-plane-policing-prefilter-leaf <WORD>

Description: Create leaf ACL policy to police/reclassify the traffic

Syntax:

WORD	Name of the policy to add (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template control-plane-policing-prefilter-leaf <WORD>
```

template control-plane-policing-prefilter-spine

template control-plane-policing-prefilter-spine <WORD>

Description: Create spine ACL policy to police/reclassify the traffic

Syntax:

WORD	Name of the policy to add (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template control-plane-policing-prefilter-spine <WORD>
```

template dhcp option

template dhcp option policy <WORD>

Description: Create a DHCP Option policy

Syntax:

policy	Name of the DHCP Option Policy
WORD	Name of the DHCP Option Policy (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp option policy <WORD>
```

template dhcp relay

template dhcp relay policy <WORD>

Description: Create a DHCP Relay policy

Syntax:

policy	Name of the DHCP relay policy
WORD	Name of the DHCP relay policy (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
```

template dhcp relay policy <WORD>

Description: Create a DHCP Relay policy

Syntax:

policy	Name of the DHCP relay policy
WORD	Name of the DHCP relay policy (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
```

template dwdm access fabric policy

template dwdm access|fabric policy <WORD> <NUMBER>

Description: Configure dwdm policy

Syntax:

access	for access interfaces
fabric	for fabric interfaces
WORD	policyname (Max Size 64)
<1-96>	channelNumber. Number range from=1 to=96

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template dwdm access|fabric policy <WORD> <NUMBER>
```

template eigrp interface-policy

template eigrp interface-policy <WORD> tenant <WORD>

Description: Configure EIGRP Interface policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the EIGRP Interface Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
```

template eigrp interface-policy <WORD> tenant <WORD>

Description: Configure EIGRP Interface policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the EIGRP Interface Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
```

template eigrp vrf-policy

template eigrp vrf-policy <WORD> tenant <WORD>

Description: Configure EIGRP VRF policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the EIGRP VRF Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp vrf-policy <WORD> tenant <WORD>
```

template eigrp vrf-policy <WORD> tenant <WORD>

Description: Configure EIGRP VRF policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the EIGRP VRF Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp vrf-policy <WORD> tenant <WORD>
```

template endpoint retention policy

template endpoint retention policy <WORD>

Description: Configure an endpoint retention policy

Syntax:

WORD	Name of the endpoint retention policy to set (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
```

template fabric-interface-policy-group

template fabric-interface-policy-group <WORD>

Description: Configure Leaf Fabric Interface Policy Group Parameters

Syntax:

WORD	Interface Policy Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template fabric-interface-policy-group <WORD>
```

template fc-fabric-policy

template fc-fabric-policy <WORD>

Description: Configure FC Fabric Policy(Max Size 64)

Syntax:

WORD	Create a FC Fabric policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-fabric-policy <WORD>
```

template fc-leaf-policy

template fc-leaf-policy <WORD>

Description: Configure FC Leaf Policy(Max Size 64)

Syntax:

WORD	Create a FC Leaf policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-leaf-policy <WORD>
```

template fc-policy-group

template fc-policy-group <WORD>

Description: Configure FC Policy Group Parameters

Syntax:

WORD	FC Interface Policy Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-policy-group <WORD>
```

template fc-port-channel

template fc-port-channel <WORD>

Description: Configure FC Port-Channel Parameters

Syntax:

WORD	FC Port-Channel/VPC Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-port-channel <WORD>
```

template hsrp group-policy

template hsrp group-policy <WORD> tenant <WORD>

Description: Configure HSRP Group policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the HSRP GROUP Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp group-policy <WORD> tenant <WORD>
```

template hsrp group-policy <WORD> tenant <WORD>

Description: Configure HSRP Group policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the HSRP GROUP Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp group-policy <WORD> tenant <WORD>
```

template hsrp interface-policy

template hsrp interface-policy <WORD> tenant <WORD>

Description: Configure HSRP Interface policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the HSRP Interface Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp interface-policy <WORD> tenant <WORD>
```

template hsrp interface-policy <WORD> tenant <WORD>

Description: Configure HSRP Interface policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the HSRP Interface Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp interface-policy <WORD> tenant <WORD>
```

template ip arp policy

template ip arp policy <WORD>

Description: Create/modify an IP ARP policy

Syntax:

WORD	Name of the policy to create/modify (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip arp policy <WORD>
```

template ip arp policy <WORD> tenant <WORD>

Description: Create/modify an IP ARP policy

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the ARP Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ip arp policy <WORD> tenant <WORD>
```

template ip arp policy <WORD> tenant <WORD>

Description: Create/modify an IP ARP policy

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the ARP Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ip arp policy <WORD> tenant <WORD>
```

template ip igmp interface-policy

template ip igmp interface-policy <WORD>

Description: Create an IGMP interface policy

Syntax:

WORD	Name of the IGMP interface policy to define (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
```

template ip igmp snooping policy

template ip igmp snooping policy <WORD>

Description: Create an IGMP snooping policy

Syntax:

WORD	Name of the IGMP snooping policy to define (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
```

template ip pim interface-policy

template ip pim interface-policy <WORD>

Description: Create a PIM interface policy

Syntax:

WORD	Name of the PIM interface policy to be defined (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
```

template ipv6 mld snooping policy

template ipv6 mld snooping policy <WORD>

Description: Create an MLD snooping policy

Syntax:

WORD	Name of the MLD snooping policy to define (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 mld snooping policy <WORD>
```

template ipv6 nd policy

template ipv6 nd policy <WORD>

Description: Create/modify an an IPv6 Neighbor Discovery policy

Syntax:

WORD	Name of the policy to create/modify (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
```

template ipv6 nd policy <WORD> tenant <WORD>

Description: Configure IPv6 Neighbor Discovery policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the ND Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
```

template ipv6 nd policy <WORD> tenant <WORD>

Description: Configure IPv6 Neighbor Discovery policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the ND Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
```

template ipv6 nd prefix

template ipv6 nd prefix policy <WORD>

Description: Create/modify an an IPv6 Neighbor Prefix policy

Syntax:

policy	IPv6 ND Prefix Policy
WORD	Name of the policy to create/modify (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd prefix policy <WORD>
```

template isis-fabric

template isis-fabric <WORD>

Description: InterSystem-InterSystem Protocol (IS-IS)

Syntax:

WORD	IS-IS Fabric template (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template isis-fabric <WORD>
```

template leaf-policy-group

template leaf-policy-group <WORD>

Description: Configure Leaf Policy Group

Syntax:

WORD	Leaf Policy Group Name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
```

template leaf-policy-group <WORD>

Description: Configure Leaf Policy Group

Syntax:

WORD	Leaf Policy Group Name

Command Mode: fabric-internal : Fabric Policy Configuration for internal ports

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template leaf-policy-group <WORD>
```

template macsec access fabric interface-policy

template macsec access|fabric interface-policy <WORD>

Description: Configure macsec interface policy

Syntax:

access	for access interfaces
fabric	for fabric interfaces
WORD	MAC security policy name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric interface-policy <WORD>
```

template macsec access fabric keychain

template macsec access|fabric keychain <WORD>

Description: Configure macsec key chain

Syntax:

access	for access interfaces
fabric	for fabric interfaces
WORD	Keychain name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric keychain <WORD>
```

template macsec access fabric security-policy

template macsec access|fabric security-policy <WORD>

Description: Configure MAC security policy parameters

Syntax:

access	for access interfaces
fabric	for fabric interfaces
WORD	MAC security policy name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric security-policy <WORD>
```

template ntp-fabric

template ntp-fabric <WORD>

Description: Network Time Protocol (NTP)

Syntax:

WORD	NTP Fabric template (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template ntp-fabric <WORD>
```

template ospf interface-policy

template ospf interface-policy <WORD> tenant <WORD>

Description: Configure OSPF Interface Policy Templates

Syntax:

WORD	OSPF Interface Policy name (Max Size 64)
tenant	Tenant for the OSPF Policy
WORD	Tenant name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
```

template ospf interface-policy <WORD> tenant <WORD>

Description: Configure OSPF Interface Policy Templates

Syntax:

WORD	OSPF Interface Policy name (Max Size 64)
tenant	Tenant for the OSPF Policy
WORD	Tenant name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
```

template ospf vrf-policy

template ospf vrf-policy <WORD> tenant <WORD>

Description: Configure Router OSPF Timer Policy Templates

Syntax:

WORD	Router OSPF Timer Policy name (Max Size 64)
tenant	Tenant for the OSPF Policy
WORD	Tenant name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
```

template ospf vrf-policy <WORD> tenant <WORD>

Description: Configure Router OSPF Timer Policy Templates

Syntax:

WORD	Router OSPF Timer Policy name (Max Size 64)
tenant	Tenant for the OSPF Policy
WORD	Tenant name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
```

template pod-group

template pod-group <WORD>

Description: POD Group

Syntax:

WORD	Pod Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template pod-group <WORD>
```

template policy-group

template policy-group <WORD>

Description: Configure Policy Group Parameters

Syntax:

WORD	Interface Policy Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
```

template port-channel

template port-channel <WORD>

Description: Configure Port-Channel Parameters

Syntax:

WORD	Port-Channel/VPC Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
```

template power-over-ethernet node-policy

template power-over-ethernet node-policy <WORD>

Description: Configure Power Over Ethernet Parameters

Syntax:

WORD	Power Over Ethernet Node Policy Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template power-over-ethernet node-policy <WORD>
```

template route-profile

template route-profile <WORD> tenant <WORD>

Description: Configure route-profile template under tenant for BGP dampening and route redistribution

Syntax:

WORD	Route-profile template name (Max Size 64)
tenant	Tenant for the route-profile template
WORD	Tenant Name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
```

template route-profile <WORD> <WORD> <NUMBER>

Description: Configure route-profile template under VRF/L3Out for bridge-domain export

Syntax:

WORD	Route-profile template name
WORD	route control context name
<0-9>	Relative order for the entry. Number range from=0 to=9223372036854775807

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
```

template route-profile <WORD> tenant <WORD>

Description: Configure route-profile template under tenant for BGP dampening and route redistribution

Syntax:

WORD	Route-profile template name (Max Size 64)
tenant	Tenant for the route-profile template

WORD	Tenant Name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
```

template route-profile <WORD> <WORD> <NUMBER>

Description: Configure route-profile template under VRF/L3Out for bridge-domain export

Syntax:

WORD	Route-profile template name
WORD	route control context name
<0-9>	Relative order for the entry. Number range from=0 to=9223372036854775807

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# template route-profile <WORD> <WORD> <NUMBER>
```

template route group

template route group <WORD> tenant <WORD>

Description: Configure Route Group

Syntax:

WORD	Route group name (Max Size 64)
tenant	Tenant for the route group
WORD	Tenant name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route group <WORD> tenant <WORD>
```

template route group <WORD> tenant <WORD>

Description: Configure Route Group

Syntax:

WORD	Route group name (Max Size 64)
tenant	Tenant for the route group
WORD	Tenant name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route group <WORD> tenant <WORD>
```

template route tag

template route tag <WORD> tenant <WORD>

Description: Configure Route Tag Policy Templates

Syntax:

WORD	Route Tag Policy Name (Max Size 64)
tenant	Tenant for the Route Tag Policy
WORD	Tenant Name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route tag <WORD> tenant <WORD>
```

template route tag <WORD> tenant <WORD>

Description: Configure Route Tag Policy Templates

Syntax:

WORD	Route Tag Policy Name (Max Size 64)
tenant	Tenant for the Route Tag Policy
WORD	Tenant Name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route tag <WORD> tenant <WORD>
```

template snmp-fabric

template snmp-fabric <WORD>

Description: Simple Network Management Protocol (SNMP)

Syntax:

WORD	SNMP Fabric template (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template snmp-fabric <WORD>
```

template spine-fabric-interface-policy-group

template spine-fabric-interface-policy-group <WORD>

Description: Configure Spine Fabric Interface Policy Group Parameters

Syntax:

WORD	Interface Policy Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-fabric-interface-policy-group <WORD>
```

template spine-interface-policy-group

template spine-interface-policy-group <WORD>

Description: Configure Policy Group Parameters

Syntax:

WORD	Interface Policy Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-interface-policy-group <WORD>
```

template spine-policy-group

template spine-policy-group <WORD>

Description: Configure Spine Policy Group

Syntax:

WORD	Spine Policy Group Name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-policy-group <WORD>
```

template spine-policy-group <WORD>

Description: Configure Spine Policy Group

Syntax:

WORD	Spine Policy Group Name

Command Mode: fabric-internal : Fabric Policy Configuration for internal ports

Command Path:

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template spine-policy-group <WORD>
```

template twamp responder-policy

template twamp responder-policy <WORD>

Description: Configure twamp responder policy

Syntax:

WORD	Twamp Responder Policy Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template twamp responder-policy <WORD>
```

template twamp server-policy

template twamp server-policy <WORD>

Description: Configure twamp server policy

Syntax:

WORD	Twamp Server Policy Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template twamp server-policy <WORD>
```

template vsan-attribute

template vsan-attribute <WORD>

Description: Configure Vsan Attributes(Max Size 64)

Syntax:

WORD	Configure vsan attribute policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template vsan-attribute <WORD>
```

tenant

tenant <WORD>

Description: Tenant configuration mode

Syntax:

WORD	tenant name (Max Size 63)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
```

terminal

terminal length <NUMBER>

Description: Enable or disable pager for command output

Syntax:

length	Terminal length keyword
NUMBER	Terminal pager length (0=Disable pager). Number range from=0 to=511

Command Mode: exec : Exec Mode

Command Path:

```
# terminal length <NUMBER>
```

throttle

throttle <NUMBER>

Description: Set the throttle used for HTTP communication service.

Syntax:

| *<1-100>* | Set the throttle used for HTTP communication service.. Number range from=1 to=100 |

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# throttle <NUMBER>
```

throttle <NUMBER>

Description: Set the throttle used for HTTPS communication service.

Syntax:

| *<1-100>* | Set the throttle used for HTTPS communication service.. Number range from=1 to=100 |

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# throttle <NUMBER>
```

time

time start <date-time>

Description: Start controller-group upgrade

Syntax:

start	Set time to trigger upgrade
<date-time>	Set the start time ([[[yyyy:]mmm:]dd:]HH:MM)

Command Mode: controller-group : Controller Upgrade Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# controller-group
(config-firmware-controller)# time start <date-time>
```

time start <TIME>

Description: Set the window start time

Syntax:

start	Set the start time
TIME	Set the start time [[[yyyy:]mmm:]dd:]HH:MM

Command Mode: absolute : Absolute window configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# absolute window <WORD>
(config-scheduler-absolute)# time start <TIME>
```

time start daily

time start daily <TIME>

Description: Specify a daily schedule

Syntax:

TIME	Trigger time in HH:MM format

Command Mode: recurring : Recurring window configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# recurring window <WORD>
(config-scheduler-recurring)# time start daily <TIME>
```

time start weekly

time start weekly monday|tuesday|wednesday|thursday|friday|saturday|sunday|even-day|odd-day|every-day <TIME>

Description: Specify a weekly schedule

Syntax:

monday	Mondays
tuesday	Tuesdays
wednesday	Wednesdays
thursday	Thursdays
friday	Fridays
saturday	Saturdays
sunday	Sundays
even-day	Even days
odd-day	Odd days
every-day	Everyday
TIME	Trigger time in HH:MM format

Command Mode: recurring : Recurring window configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# recurring window <WORD>
(config-scheduler-recurring)# time start weekly
monday|tuesday|wednesday|thursday|friday|saturday|sunday|even-day|odd-day|every-day <TIME>
```

timeout

timeout <NUMBER>

Description: LDAP server timeout for authentication

Syntax:

<5-60>	LDAP server timeout for authentication. Number range from=5 to=60

Command Mode: ldap-server host : LDAP server DNS name or IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# timeout <NUMBER>
```

timeout <0-60>

Description: RADIUS server timeout for authentication

Syntax:

<0-60>	RADIUS server timeout for authentication

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# timeout <0-60>
```

timeout <0-60>

Description: RSA server timeout for authentication

Syntax:

<0-60>	RSA server timeout for authentication

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# timeout <0-60>
```

timeout <NUMBER>

Description: TACACS server timeout for authentication

Syntax:

<0-60>	TACACS server timeout for authentication. Number range from=0 to=60

Command Mode: tacacs-server host : TACACS+ server's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacs-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# timeout <NUMBER>
```

timeout <arg>

Description: Timeout for TWAMP Responder

Syntax:

arg	Configure Timeout for TWAMP Responder. Number range from=1 to=65535

Command Mode: template twamp responder-policy : Configure twamp responder policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template twamp responder-policy <WORD>
(config-twamp-responder-policy)# timeout <>
```

timers

timers bgp <NUMBER> <NUMBER>

Description: Set BGP Policy Timers

Syntax:

bgp	Set BGP Policy Timers
<0-3600>	Keep-Alive Timer Value in Seconds. Number range from=0 to=3600
<0-3600>	Hold Timer Value in Seconds. Number range from=0 to=3600

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# timers bgp <NUMBER> <NUMBER>
```

timers active-time <NUMBER>

Description: Set EIGRP Timers

Syntax:

active-time	Active timer interval
<1-65535>	Active timer interval value in minutes. Number range from=1 to=65535

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# timers active-time <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in seconds. Number range from=250 to=254000
<750-255000>	Hold interval in seconds. Number range from=750 to=255000

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# timers <NUMBER> <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in milliseconds. Number range from=250 to=254000
<750-255000>	Hold interval in milliseconds. Number range from=750 to=255000

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# timers <NUMBER> <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in milliseconds. Number range from=250 to=254000
<750-255000>	Hold interval in milliseconds. Number range from=750 to=255000

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# timers <NUMBER> <NUMBER>
```

timers active-time <NUMBER>

Description: Set EIGRP Timers

Syntax:

active-time	Active timer interval

| *<1-65535>* | Active timer interval value in minutes. Number range from=1 to=65535 |

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# timers active-time <NUMBER>
```

timers bgp <NUMBER> <NUMBER>

Description: Set BGP Policy Timers

Syntax:

bgp	Set BGP Policy Timers
<0-3600>	Keep-Alive Timer Value in Seconds. Number range from=0 to=3600
<0-3600>	Hold Timer Value in Seconds. Number range from=0 to=3600

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# timers bgp <NUMBER> <NUMBER>
```

timers active-time <NUMBER>

Description: Set EIGRP Timers

Syntax:

active-time	Active timer interval
<1-65535>	Active timer interval value in minutes. Number range from=1 to=65535

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# timers active-time <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in seconds. Number range from=250 to=254000
<750-255000>	Hold interval in seconds. Number range from=750 to=255000

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# timers <NUMBER> <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in milliseconds. Number range from=250 to=254000
<750-255000>	Hold interval in milliseconds. Number range from=750 to=255000

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# timers <NUMBER> <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in milliseconds. Number range from=250 to=254000
<750-255000>	Hold interval in milliseconds. Number range from=750 to=255000

Command Mode: hsrp group : Configure HSRP Group

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
```

```
(config-if-hsrp)# timers <NUMBER> <NUMBER>
```

timers active-time <NUMBER>

Description: Set EIGRP Timers

Syntax:

active-time	Active timer interval
<1-65535>	Active timer interval value in minutes. Number range from=1 to=65535

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# timers active-time <NUMBER>
```

timers lsa-arrival

timers lsa-arrival <NUMBER>

Description: Set the minimum interval between the arrival of each link-state advertisement(LSA)

Syntax:

<10-600000>	Interval in milliseconds. Number range from=10 to=600000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers lsa-arrival <NUMBER>
```

timers lsa-arrival <NUMBER>

Description: Set the minimum interval between the arrival of each link-state advertisement(LSA)

Syntax:

<10-600000>	Interval in milliseconds. Number range from=10 to=600000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers lsa-arrival <NUMBER>
```

timers lsa-group-pacing

timers lsa-group-pacing <NUMBER>

Description: Set the interval in which LSAs are grouped and refreshed, checksummed, or aged

Syntax:

<1-1800>	Interval in seconds. Number range from=1 to=1800

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers lsa-group-pacing <NUMBER>
```

timers lsa-group-pacing <NUMBER>

Description: Set the interval in which LSAs are grouped and refreshed, checksummed, or aged

Syntax:

<1-1800>	Interval in seconds. Number range from=1 to=1800

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers lsa-group-pacing <NUMBER>
```

timers throttle lsa

timers throttle lsa <NUMBER> <NUMBER> <NUMBER>

Description: Set the start-interval, hold-interval, max-interval for LSA

Syntax:

<start-time 0-5000>	The generation throttle start-wait interval between LSAs.. Number range from=0 to=5000
<hold-interval 50-30000>	The incremental time (in milliseconds) used to calculate the subsequent rate limiting times for LSA generation.. Number range from=50 to=30000
<max-time 50-30000>	The generation throttle maximum interval between LSAs.. Number range from=50 to=30000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers throttle lsa <NUMBER> <NUMBER> <NUMBER>
```

timers throttle lsa <NUMBER> <NUMBER> <NUMBER>

Description: Set the start-interval, hold-interval, max-interval for LSA

Syntax:

<start-time 0-5000>	The generation throttle start-wait interval between LSAs.. Number range from=0 to=5000
<hold-interval 50-30000>	The incremental time (in milliseconds) used to calculate the subsequent rate limiting times for LSA generation.. Number range from=50 to=30000
<max-time 50-30000>	The generation throttle maximum interval between LSAs.. Number range from=50 to=30000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers throttle lsa <NUMBER> <NUMBER> <NUMBER>
```

timers throttle spf

timers throttle spf <NUMBER> <NUMBER> <NUMBER>

Description: Set the SPF init-interval, hold-interval, max-interval for LSA

Syntax:

<spf-start 1-600000>	The initial delay interval for the SPF schedule.. Number range from=1 to=600000
<spf-hold 1-600000>	The minimum hold time between SPF calculations.. Number range from=1 to=600000
<spf-max-wait 1-600000>	The maximum interval between SPF calculations. Each interval after the initial calculation is twice as long as the previous one until the wait interval reaches the maximum wait time specified.. Number range from=1 to=600000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers throttle spf <NUMBER> <NUMBER> <NUMBER>
```

timers throttle spf <NUMBER> <NUMBER> <NUMBER>

Description: Set the SPF init-interval, hold-interval, max-interval for LSA

Syntax:

<spf-start 1-600000>	The initial delay interval for the SPF schedule.. Number range from=1 to=600000
<spf-hold 1-600000>	The minimum hold time between SPF calculations.. Number range from=1 to=600000
<spf-max-wait 1-600000>	The maximum interval between SPF calculations. Each interval after the initial calculation is twice as long as the previous one until the wait interval reaches the maximum wait time specified.. Number range from=1 to=600000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
```

```
(config-vrf-policy)# timers throttle spf <NUMBER> <NUMBER> <NUMBER>
```

timezone

timezone

Description: Include timezone in Syslog Msg

Command Mode: logging : Logging server group configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# logging server-group <WORD>
(config-logging)# timezone
```

top-n-requests

top-n-requests <NUMBER>

Description: Set the number of requests that took maximum time

Syntax:

<1-10>	Set the number of requests that took maximum time. Number range from=1 to=10

Command Mode: performance : Nginx Requested Response Time Policy Group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# performance
(config-performance)# top-n-requests <NUMBER>
```

totp-enable

totp-enable

Description: Set TOTP 2nd factor Auth for the locally-authenticated user account.

Command Mode: username : Create a locally-authenticated user account

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# totp-enable
```

tp

tp <WORD>

Description: Set third-party certificate from trusted source/point for device identity

Syntax:

<WORD>	third-party certificate (Max Size 64)

Command Mode: crypto keyring : A keyring mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# tp <WORD>
```

track-list

track-list <WORD> <tracklist-type> [percentage-up <percentage-up>] [percentage-down <percentage-down>] [weight-up <weight-up>] [weight-down <weight-down>]

Description: Configure TrackList

Syntax:

WORD	IP SLA Track List Name (Max Size 64)
tracklist-type	tracklist-type
percentage-up	(Optional) percentage up
percentage-down	(Optional) percentage down
weight-up	(Optional) weight up
weight-down	(Optional) weight down

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# track-list <WORD> <tracklist-type> [percentage-up <percentage-up>]
[percentage-down <percentage-down>] [weight-up <weight-up>] [weight-down <weight-down>]
```

track-member

track-member <WORD> [dst-IpAddr <dst-IpAddr>] [l3-out <l3-out>]

Description: Configure TrackMember

Syntax:

WORD	IP SLA Track Member Name (Max Size 64)
dst-IpAddr	(Optional) Enter destination IP address to be tracked
l3-out	(Optional) l3-out

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# track-member <WORD> [dst-IpAddr <dst-IpAddr>] [l3-out <l3-out>]
```

track-member <track-member> [weight <weight>]

Description: Select IPSLA track member

Syntax:

track-member	Select IPSLA track member
weight	(Optional) Select weight

Command Mode: track-list : Configure TrackList

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# track-list <WORD> <tracklist-type> [percentage-up <percentage-up>]
[percentage-down <percentage-down>] [weight-up <weight-up>] [weight-down <weight-down>]
(config-track-list)# track-member <track-member> [weight <weight>]
```

transmit-delay

transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# transmit-delay <NUMBER>
```

transmit-delay <NUMBER>

Description: Set the delay time needed to send an LSA update packet.

Syntax:

<1-450>	Delay in seconds. Number range from=1 to=450

Command Mode: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# transmit-delay <NUMBER>
```

transport

transport udp <1-65535>

Description: Configure Transport Port

Syntax:

udp	udp
<1-65535>	Port Value

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# transport udp <1-65535>
```

transport udp <1-65535>

Description: Configure Transport Port

Syntax:

udp	udp
<1-65535>	Port Value

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-exporter)# transport udp <1-65535>
```

transport udp <1-65535>

Description: Configure Transport Port

Syntax:

udp	udp
<1-65535>	Port Value

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# transport udp <1-65535>
```

transport email from

transport email from <WORD>

Description: The contact e-mail address

Syntax:

WORD	The e-mail address (Max Size None)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# transport email from <WORD>
```

transport email from <WORD>

Description: The contact e-mail address

Syntax:

WORD	The e-mail address (Max Size None)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# transport email from <WORD>
```

transport email mail-server

transport email mail-server <host/ipaddr> [port <port>] [mgmtepg <mgmtepg>]

Description: Configure SMTP server

Syntax:

<host/ipaddr>	The hostname or ipaddress of the destination
port	(Optional) Port Number. Number range from=1 to=633535
mgmtepg	(Optional) mgmtepg

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# transport email mail-server <host/ipaddr> [port <port>] [mgmtepg
 <mgmtepg>]
```

transport email mail-server <host/ipaddr> [port <port>] [mgmtepg <mgmtepg>]

Description: Configure SMTP server

Syntax:

<host/ipaddr>	The hostname or ipaddress of the destination
port	(Optional) Port Number. Number range from=1 to=633535
mgmtepg	(Optional) mgmtepg

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# transport email mail-server <host/ipaddr> [port <port>] [mgmtepg
 <mgmtepg>]
```

transport email reply-to

transport email reply-to <WORD>

Description: The contact e-mail address

Syntax:

WORD	Reply-To e-mail address (Max Size None)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# transport email reply-to <WORD>
```

transport email reply-to <WORD>

Description: The contact e-mail address

Syntax:

WORD	Reply-To e-mail address (Max Size None)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# transport email reply-to <WORD>
```

trigger-inventory

trigger-inventory

Description: Trigger Inventory Sync

Command Mode: integrations-mgr : Integrations Manager

Command Path:

```
# configure [['terminal', 't']]
(config)# integrations-group <WORD>
(config-integrations-group)# integrations-mgr <WORD> <type>
(config-integrations-mgr)# trigger-inventory
```

trigger fabric-discovery

trigger fabric-discovery <NUMBER>

Description: Trigger fabric discovery

Syntax:

<cluster-size>	Size of the cluster. Number range from=1 to=16

Command Mode: exec : Exec Mode

Command Path:

```
# trigger fabric-discovery <NUMBER>
```

trigger id-import

trigger id-import <PolicyName> <NUMBER>

Description: Import IDs and configurations from file

Syntax:

PolicyName	Snapshot import configuration name
<num-pods>	Number of PODs in the fabric. Number range from=1 to=255

Command Mode: exec : Exec Mode

Command Path:

```
# trigger id-import <PolicyName> <NUMBER>
```

trigger reconcile

trigger reconcile [['recover', 'checker', 'fixer']]

Description: Reconcile imported policies with switches

Syntax:

recover	(Optional) Reconcile
checker	(Optional) Run Checker
fixer	(Optional) Apply Checker

Command Mode: exec : Exec Mode

Command Path:

```
# trigger reconcile [['recover', 'checker', 'fixer']]
```

trigger shutdown

trigger shutdown controller <NUMBER>

Description: Shutdown controller

Syntax:

controller	Shutdown controller
<1-64>	Controller id. Number range from=1 to=64

Command Mode: exec : Exec Mode

Command Path:

```
# trigger shutdown controller <NUMBER>
```

trigger snapshot download

trigger snapshot download <WORD>

Description: Trigger command for snapshot download

Syntax:

WORD	Snapshot download configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# trigger snapshot download <WORD>
```

trigger snapshot export

trigger snapshot export <WORD>

Description: Trigger command for snapshot export

Syntax:

WORD	Snapshot export configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# trigger snapshot export <WORD>
```

trigger snapshot import

trigger snapshot import <WORD>

Description: Trigger command for snapshot import

Syntax:

WORD	Snapshot import configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# trigger snapshot import <WORD>
```

trigger snapshot rollback

trigger snapshot rollback <WORD>

Description: Trigger command for snapshot rollback

Syntax:

WORD	Snapshot rollback configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# trigger snapshot rollback <WORD>
```

trigger snapshot upload

trigger snapshot upload <WORD>

Description: Trigger command for snapshot upload

Syntax:

WORD	Snapshot upload configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# trigger snapshot upload <WORD>
```

trigger techsupport all

trigger techsupport all include-upgrade-logs [remotename <remote-path>]

Description: Trigger techsupport for controllers and switches

Syntax:

include-upgrade-logs	Include upgrade logs
remote-path	(Optional) remote-path

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport all include-upgrade-logs [remotename <remote-path>]
```

trigger techsupport controllers

trigger techsupport controllers include-upgrade-logs [remotename <remote-path>]

Description: Trigger techsupport for a controllers

Syntax:

include-upgrade-logs	Include upgrade logs
remote-path	(Optional) remote-path

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport controllers include-upgrade-logs [remotename <remote-path>]
```

trigger techsupport controllers include-upgrade-logs application

trigger techsupport controllers include-upgrade-logs [remotename <remote-path>] application [appName <app-name>] [vendorName <vendor-name>] [remotename <remote-path>]

Description: Trigger techsupport for a controllers application

Syntax:

include-upgrade-logs	Include upgrade logs
remote-path	(Optional) remote-path
app-name	(Optional) Plugin Application ID
vendor-name	(Optional) Plugin Application Vendor Name
remote-path	(Optional) remote-path

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport controllers include-upgrade-logs [remotename <remote-path>] application
  [appName <app-name>] [vendorName <vendor-name>] [remotename <remote-path>]
```

trigger techsupport host

trigger techsupport host <NUMBER> remotename <remote-file-name> [node <leaf-node-id>]

Description: Trigger techsupport for a host

Syntax:

<Odevid>	Specify the host Odev ID. Number range from=0 to=9223372036854775807
remotename	Specify the file remote path name
<remote-file-name>	Remote path file name
<leaf-node-id>	(Optional) Specify the leaf node id

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport host <NUMBER> remotename <remote-file-name> [node <leaf-node-id>]
```

trigger techsupport local

trigger techsupport local

Description: Trigger techsupport for a local

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport local
```

trigger techsupport switch

trigger techsupport switch switchId <switchId> include-upgrade-logs [remotename <remote-path>]

Description: Trigger techsupport for a switch

Syntax:

switchId <switchId>	switch id 101-4000 or range(s): 101-103,104
include-upgrade-logs	Include upgrade logs
remote-path	(Optional) remote-path

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport switch switchId <switchId> include-upgrade-logs [remotename
<remote-path>]
```

trigger troubleshoot report

trigger troubleshoot report [format <format>]

Description: Trigger a report generation for a troubleshoot session

Syntax:

format	(Optional) Report format

Command Mode: exec : Exec Mode

Command Path:

```
# trigger troubleshoot report [format <format>]
```

trigger vmware

trigger vmware domain <name> vcenter <hostname|IP> pull-inventory

Description: Trigger VMware vCenter inventory pull

Syntax:

domain	VMware domain
<name>	VMM VMware Domain name
vcenter	VMware vCenter
<hostname|IP>	vCenter hostname or IP
pull-inventory	Pull inventory

Command Mode: exec : Exec Mode

Command Path:

```
# trigger vmware domain <name> vcenter <hostname|IP> pull-inventory
```

troubleshoot epext session atomiccounter

troubleshoot epext session <session_name> atomiccounter

Description: Start atomic counter of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> atomiccounter
```

troubleshoot epext session description

troubleshoot epext session <session_name> description <LINE>

Description: Set the description of a troubleshoot session

Syntax:

session	session
session_name	session name
LINE	Session description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> description <LINE>
```

troubleshoot epext session latency

troubleshoot epext session <session_name> latency [mode <mode>]

Description: Start latency stats of a troubleshoot session

Syntax:

session	session
session_name	session name
mode	(Optional) mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> latency [mode <mode>]
```

troubleshoot epext session latestminutes

troubleshoot epext session <session_name> latestminutes <minutes>

Description: Set the time window in number of minutes from current time

Syntax:

session	session
session_name	session name
minutes	number of minutes from current time. Number range from=5 to=1440

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> latestminutes <minutes>
```

troubleshoot epext session monitor destination apic

troubleshoot epext session <session_name> monitor destination apic srcipprefix <sip/m> [analyser <aip>] [pref-erspan-version <preferspanver>] [erspan-id <id>] [spansrcports <pathep-list>]

Description: Configure this APIC as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
srcipprefix	srcipprefix
sip/m	Source IP adddress and subnet mask length
aip	(Optional) IP address of the host analyser
preferspanver	(Optional) Preferred ERSPAN version
id	(Optional) erspan Id. Number range from=1 to=1023
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> monitor destination apic srcipprefix
<sip/m> [analyser <aip>] [pref-erspan-version <preferspanver>] [erspan-id <id>] [spansrcports
 <pathep-list>]
```

troubleshoot epext session monitor destination prefdestgroup

troubleshoot epext session <session_name> monitor destination prefdestgroup <destgroup_name> [spansrcports <pathep-list>]

Description: Configure a predefined monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
destgroup_name	Destination group name
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> monitor destination prefdestgroup
<destgroup_name> [spansrcports <pathep-list>]
```

troubleshoot epext session monitor destination tenant

troubleshoot epext session <session_name> monitor destination tenant <tn_name> application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [pref-erspan-version <preferspanver>] [erspan-id <id>] [mtu <NUMBER>] [spansrcports <pathep-list>]

Description: Configure tenant EPG as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
tn_name	tenant name
application	application
ap_name	application name
epg	epg
epg_name	epg name
destip	destip
dip	destination IP address
srcipprefix	srcipprefix
sip/m	source IP address and subnet mask length
preferspanver	(Optional) Preferred ERSPAN version
id	(Optional) erspan Id. Number range from=1 to=1023
NUMBER	(Optional) mtu value. Number range from=64 to=9216
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> monitor destination tenant <tn_name>
application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [pref-erspan-version
 <preferspanver>] [erspan-id <id>] [mtu <NUMBER>] [spansrcports <pathep-list>]
```

troubleshoot epext session scheduler

troubleshoot epext session <session_name> scheduler <sch_name> [format <format>]

Description: Associate a scheduler to the troubleshoot session

Syntax:

session	session
session_name	session name
sch_name	scheduler name
format	(Optional) Reoport format

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> scheduler <sch_name> [format <format>]
```

troubleshoot epext session srcextip destip tenant application

troubleshoot epext session <session_name> srcextip <sip> destip <dip> tenant <dtenant_name> application <dapp_name> epg <depg_name>

Description: application

Syntax:

session	session
session_name	session name
sip	external source IP
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
dapp_name	destination Application
epg	epg
depg_name	destination EPG

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> srcextip <sip> destip <dip> tenant
<dtenant_name> application <dapp_name> epg <depg_name>
```

troubleshoot epext session srcextip destip tenant vrf

troubleshoot epext session <session_name> srcextip <sip> destip <dip> tenant <dtenant_name> vrf <dvrf_name>

Description: vrf

Syntax:

session	session
session_name	session name
sip	external source IP
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
dvrf_name	destination VRF

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> srcextip <sip> destip <dip> tenant
<dtenant_name> vrf <dvrf_name>
```

troubleshoot epext session srcip tenant application epg destextip

troubleshoot epext session <session_name> srcip <sip> tenant <stenant_name> application <sapp_name> epg <sepg_name> destextip <dip>

Description: External IP

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
sapp_name	source Application
epg	epg
sepg_name	source EPG
dip	external destination IP

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> srcip <sip> tenant <stenant_name>
application <sapp_name> epg <sepg_name> destextip <dip>
```

troubleshoot epext session srcip tenant vrf destextip

troubleshoot epext session <session_name> srcip <sip> tenant <stenant_name> vrf <svrf_name> destextip <dip>

Description: external IP

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
svrf_name	source VRF
dip	external destination IP

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> srcip <sip> tenant <stenant_name> vrf
<svrf_name> destextip <dip>
```

troubleshoot epext session starttime

troubleshoot epext session <session_name> starttime <start_time> endtime <end_time>

Description: Configure the start/end time of the session

Syntax:

session	session
session_name	session name
start_time	Start time (in YYYY-MM-DDTHH:MM:SS format)
endtime	end time
end_time	End time (in YYYY-MM-DDTHH:MM:SS format)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> starttime <start_time> endtime <end_time>
```

troubleshoot epext session traceroute

troubleshoot epext session <session_name> traceroute

Description: Start traceroute of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> traceroute
```

troubleshoot epext session traceroute protocol icmp

troubleshoot epext session <session_name> traceroute protocol icmp

Description: ICMP protocol

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> traceroute protocol icmp
```

troubleshoot epext session traceroute protocol tcp

troubleshoot epext session <session_name> traceroute protocol tcp [destport <port>]

Description: TCP protocol

Syntax:

session	session
session_name	session name
port	(Optional) TCP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> traceroute protocol tcp [destport <port>]
```

troubleshoot epext session traceroute protocol udp

troubleshoot epext session <session_name> traceroute protocol udp [destport <port>]

Description: UDP protocol

Syntax:

session	session
session_name	session name
port	(Optional) UDP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> traceroute protocol udp [destport <port>]
```

troubleshoot eptoep session atomiccounter

troubleshoot eptoep session <session_name> atomiccounter

Description: Start atomic counter of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> atomiccounter
```

troubleshoot eptoep session description

troubleshoot eptoep session <session_name> description <LINE>

Description: Set the description of a troubleshoot session

Syntax:

session	session
session_name	session name
LINE	Session description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> description <LINE>
```

troubleshoot eptoep session latency

troubleshoot eptoep session <session_name> latency [mode <mode>]

Description: Start latency stats of a troubleshoot session

Syntax:

session	session
session_name	session name
mode	(Optional) mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> latency [mode <mode>]
```

troubleshoot eptoep session latestminutes

troubleshoot eptoep session <session_name> latestminutes <minutes>

Description: Set the time window in number of minutes from current time

Syntax:

session	session
session_name	session name
minutes	number of minutes from current time. Number range from=5 to=1440

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> latestminutes <minutes>
```

troubleshoot eptoep session monitor destination apic

troubleshoot eptoep session <session_name> monitor destination apic srcipprefix <sip/m> [analyser <aip>] [pref-erspan-version <preferspanver>] [erspan-id <id>] [spansrcports <pathep-list>]

Description: Configure this APIC as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
srcipprefix	srcipprefix
sip/m	Source IP adddress and subnet mask length
aip	(Optional) IP address of the host analyser
preferspanver	(Optional) Preferred ERSPAN version
id	(Optional) erspan Id. Number range from=1 to=1023
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> monitor destination apic srcipprefix
<sip/m> [analyser <aip>] [pref-erspan-version <preferspanver>] [erspan-id <id>] [spansrcports
 <pathep-list>]
```

troubleshoot eptoep session monitor destination prefdestgroup

troubleshoot eptoep session <session_name> monitor destination prefdestgroup <destgroup_name> [spansrcports <pathep-list>]

Description: Configure a predefined monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
destgroup_name	Destination group name
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> monitor destination prefdestgroup
<destgroup_name> [spansrcports <pathep-list>]
```

troubleshoot eptoep session monitor destination tenant

troubleshoot eptoep session <session_name> monitor destination tenant <tn_name> application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [pref-erspan-version <preferspanver>] [erspan-id <id>] [mtu <NUMBER>] [spansrcports <pathep-list>]

Description: Configure tenant EPG as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
tn_name	tenant name
application	application
ap_name	application name
epg	epg
epg_name	epg name
destip	destip
dip	destination IP address
srcipprefix	srcipprefix
sip/m	source IP address and subnet mask lenght
preferspanver	(Optional) Preferred ERSPAN version
id	(Optional) erspan Id. Number range from=1 to=1023
NUMBER	(Optional) mtu value. Number range from=64 to=9216
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> monitor destination tenant <tn_name>
application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [pref-erspan-version
 <preferspanver>] [erspan-id <id>] [mtu <NUMBER>] [spansrcports <pathep-list>]
```

troubleshoot eptoep session scheduler

troubleshoot eptoep session <session_name> scheduler <sch_name> [format <format>]

Description: Associate a scheduler to the troubleshoot session

Syntax:

session	session
session_name	session name
sch_name	scheduler name
format	(Optional) Report format

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> scheduler <sch_name> [format <format>]
```

troubleshoot eptoep session srcip tenant application epg destip tenant application

troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> application <sapp_name> epg <sepg_name> destip <dip> tenant <dtenant_name> application <dapp_name> epg <depg_name>

Description: application

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
sapp_name	source Application
epg	epg
sepg_name	source EPG
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
dapp_name	destination Application
epg	epg
depg_name	destination EPG

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name>
application <sapp_name> epg <sepg_name> destip <dip> tenant <dtenant_name> application
<dapp_name> epg <depg_name>
```

troubleshoot eptoep session srcip tenant application epg destip tenant vrf

troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> application <sapp_name> epg <sepg_name> destip <dip> tenant <dtenant_name> vrf <dvrf_name>

Description: vrf

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
sapp_name	source Application
epg	epg
sepg_name	source EPG
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
dvrf_name	destination VRF

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name>
application <sapp_name> epg <sepg_name> destip <dip> tenant <dtenant_name> vrf <dvrf_name>
```

troubleshoot eptoep session srcip tenant vrf destip tenant application

troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> vrf <svrf_name> destip <dip> tenant <dtenant_name> application <dapp_name> epg <depg_name>

Description: application

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
svrf_name	source VRF
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
dapp_name	destination Application
epg	epg
depg_name	destination EPG

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> vrf
 <svrf_name> destip <dip> tenant <dtenant_name> application <dapp_name> epg <depg_name>
```

troubleshoot eptoep session srcip tenant vrf destip tenant vrf

troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> vrf <svrf_name> destip <dip> tenant <dtenant_name> vrf <WORD>

Description: vrf

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
svrf_name	source VRF
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
WORD	destination VRF

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> vrf
 <svrf_name> destip <dip> tenant <dtenant_name> vrf <WORD>
```

troubleshoot eptoep session srcmac tenant application epg destmac tenant application

troubleshoot eptoep session <session_name> srcmac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> application <sapp_name>
epg <sepg_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name>
application <dapp_name> epg <depg_name>

Description: application

Syntax:

session	session
session_name	session name
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
stenant_name	source Tenant
sapp_name	source Application
epg	epg
sepg_name	source EPG
destmac	destmac
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
dtenant_name	destination Tenant
dapp_name	destination Application
epg	epg
depg_name	destination EPG

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcmac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> application
 <sapp_name> epg <sepg_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
 tenant <dtenant_name> application <dapp_name> epg <depg_name>
```

troubleshoot eptoep session srcmac tenant application epg destmac tenant vrf

troubleshoot eptoep session <session_name> srcmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> application <sapp_name> epg <sepg_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name> vrf <dvrf_name>

Description: vrf

Syntax:

session	session
session_name	session name
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
stenant_name	source Tenant
sapp_name	source Application
epg	epg
sepg_name	source EPG
destmac	destmac
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
dtenant_name	destination Tenant
dvrf_name	destination VRF

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcmac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> application
 <sapp_name> epg <sepg_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
 tenant <dtenant_name> vrf <dvrf_name>
```

troubleshoot eptoep session srcmac tenant vrf destmac tenant application

troubleshoot eptoep session <session_name> srcmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> vrf <svrf_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name> application <dapp_name> epg <depg_name>

Description: application

Syntax:

session	session
session_name	session name
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
stenant_name	source Tenant
svrf_name	source VRF
destmac	destmac
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
dtenant_name	destination Tenant
dapp_name	destination Application
epg	epg
depg_name	destination EPG

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcmac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> vrf <svrf_name>
 destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name>
application <dapp_name> epg <depg_name>
```

troubleshoot eptoep session srcmac tenant vrf destmac tenant vrf

troubleshoot eptoep session <session_name> srcmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> vrf <svrf_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name> vrf <dvrf_name>

Description: vrf

Syntax:

session	session
session_name	session name
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
stenant_name	source Tenant
svrf_name	source VRF
destmac	destmac
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
dtenant_name	destination Tenant
dvrf_name	destination VRF

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcmac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> vrf <svrf_name>
 destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name> vrf
```

```
<dvrf_name>
```

troubleshoot eptoep session starttime

troubleshoot eptoep session <session_name> starttime <start_time> endtime <end_time>

Description: Configure the start/end time of the session

Syntax:

session	session
session_name	session name
start_time	Start time (in YYYY-MM-DDTHH:MM:SS format)
endtime	end time
end_time	End time (in YYYY-MM-DDTHH:MM:SS format)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> starttime <start_time> endtime <end_time>
```

troubleshoot eptoep session traceroute

troubleshoot eptoep session <session_name> traceroute

Description: Start traceroute of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> traceroute
```

troubleshoot eptoep session traceroute protocol icmp

troubleshoot eptoep session <session_name> traceroute protocol icmp

Description: ICMP protocol

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> traceroute protocol icmp
```

troubleshoot eptoep session traceroute protocol tcp

troubleshoot eptoep session <session_name> traceroute protocol tcp [destport <port>]

Description: TCP protocol

Syntax:

session	session
session_name	session name
port	(Optional) TCP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> traceroute protocol tcp [destport
<port>]
```

troubleshoot eptoep session traceroute protocol udp

troubleshoot eptoep session <session_name> traceroute protocol udp [destport <port>]

Description: UDP protocol

Syntax:

session	session
session_name	session name
port	(Optional) UDP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> traceroute protocol udp [destport
<port>]
```

troubleshoot extext session atomiccounter

troubleshoot extext session <session_name> atomiccounter

Description: Start atomic counter of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> atomiccounter
```

troubleshoot extext session description

troubleshoot extext session <session_name> description <LINE>

Description: Set the description of a troubleshoot session

Syntax:

session	session
session_name	session name
LINE	Session description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> description <LINE>
```

troubleshoot extext session latency

troubleshoot extext session <session_name> latency [mode <mode>]

Description: Start latency stats of a troubleshoot session

Syntax:

session	session
session_name	session name
mode	(Optional) mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> latency [mode <mode>]
```

troubleshoot extext session latestminutes

troubleshoot extext session <session_name> latestminutes <minutes>

Description: Set the time window in number of minutes from current time

Syntax:

session	session
session_name	session name
minutes	number of minutes from current time. Number range from=5 to=1440

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> latestminutes <minutes>
```

troubleshoot extext session monitor destination apic

troubleshoot extext session <session_name> monitor destination apic srcipprefix <sip/m> [analyser <aip>] [erspan-id <id>] [spansrcports <pathep-list>]

Description: Configure this APIC as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
srcipprefix	srcipprefix
sip/m	Source IP adddress and subnet mask length
aip	(Optional) IP address of the host analyser
id	(Optional) erspan Id. Number range from=1 to=1023
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> monitor destination apic srcipprefix
<sip/m> [analyser <aip>] [erspan-id <id>] [spansrcports <pathep-list>]
```

troubleshoot extext session monitor destination prefdestgroup

troubleshoot extext session <session_name> monitor destination prefdestgroup <destgroup_name> [spansrcports <pathep-list>]

Description: Configure a predefined monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
destgroup_name	Destination group name
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> monitor destination prefdestgroup
<destgroup_name> [spansrcports <pathep-list>]
```

troubleshoot extext session monitor destination tenant

troubleshoot extext session <session_name> monitor destination tenant <tn_name> application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [erspan-id <id>] [spansrcports <pathep-list>]

Description: Configure tenant EPG as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
tn_name	tenant name
application	application
ap_name	application name
epg	epg
epg_name	epg name
destip	destip
dip	destination IP address
srcipprefix	srcipprefix
sip/m	source IP address and subnet mask length
id	(Optional) erspan Id. Number range from=1 to=1023
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> monitor destination tenant <tn_name>
application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [erspan-id <id>]
[spansrcports <pathep-list>]
```

troubleshoot extext session scheduler

troubleshoot extext session <session_name> scheduler <sch_name> [format <format>]

Description: Associate a scheduler to the troubleshoot session

Syntax:

session	session
session_name	session name
sch_name	scheduler name
format	(Optional) Reoport format

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> scheduler <sch_name> [format <format>]
```

troubleshoot extext session srcextip

troubleshoot extext session <session_name> srcextip <srcextip> tenant <stenant_name> l3out <l3out_name> destextip <dstextip> tenant <dtenant_name> l3out <l3out_name>

Description: Create an extext troubleshoot session with an external IP as source

Syntax:

session	session
session_name	session name
<srcextip>	external source IP
tenant	tenant
stenant_name	source tenant name (Max Size 63)
l3out	l3out
l3out_name	source L3out (Max size 64
destextip	external destination IP
<dstextip>	external source IP
tenant	tenant
dtenant_name	destination tenant name (Max Size 63)
l3out	l3out
l3out_name	destination L3out (Max size 64

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> srcextip <srcextip> tenant <stenant_name>
 l3out <l3out_name> destextip <dstextip> tenant <dtenant_name> l3out <l3out_name>
```

troubleshoot extext session starttime

troubleshoot extext session <session_name> starttime <start_time> endtime <end_time>

Description: Configure the start/end time of the session

Syntax:

session	session
session_name	session name
start_time	Start time (in YYYY-MM-DDTHH:MM:SS format)
endtime	end time
end_time	End time (in YYYY-MM-DDTHH:MM:SS format)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> starttime <start_time> endtime <end_time>
```

troubleshoot extext session traceroute

troubleshoot extext session <session_name> traceroute

Description: Start traceroute of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> traceroute
```

troubleshoot extext session traceroute protocol icmp

troubleshoot extext session <session_name> traceroute protocol icmp

Description: ICMP protocol

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> traceroute protocol icmp
```

troubleshoot extext session traceroute protocol tcp

troubleshoot extext session <session_name> traceroute protocol tcp [destport <port>]

Description: TCP protocol

Syntax:

session	session
session_name	session name
port	(Optional) TCP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> traceroute protocol tcp [destport
<port>]
```

troubleshoot extext session traceroute protocol udp

troubleshoot extext session <session_name> traceroute protocol udp [destport <port>]

Description: UDP protocol

Syntax:

session	session
session_name	session name
port	(Optional) UDP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> traceroute protocol udp [destport
<port>]
```

troubleshoot node session monitor destination apic

troubleshoot node session <session_name> monitor destination apic srcipprefix <sip/m> [analyser <aip>] [pref-erspan-version <preferspanver>] [erspan-id <id>] [drop <drop>]

Description: Configure this APIC as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
srcipprefix	srcipprefix
sip/m	source IP address used in ERSPAN header
aip	(Optional) IP address of the host analyser
preferspanver	(Optional) Preferred ERSPAN version
id	(Optional) erspan Id. Number range from=1 to=1023
drop	(Optional) Span only dropped packets

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot node session <session_name> monitor destination apic srcipprefix
<sip/m> [analyser <aip>] [pref-erspan-version <preferspanver>] [erspan-id <id>] [drop <drop>]
```

troubleshoot node session monitor destination prefdestgroup

troubleshoot node session <session_name> monitor destination prefdestgroup <destgroup_name> [drop <drop>]

Description: Configure a predefined monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
destgroup_name	Destination group name
drop	(Optional) Span only dropped packets

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot node session <session_name> monitor destination prefdestgroup
<destgroup_name> [drop <drop>]
```

troubleshoot node session monitor destination tenant

troubleshoot node session <session_name> monitor destination tenant <tn_name> application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [pref-erspan-version <preferspanver>] [erspan-id <id>] [mtu <NUMBER>] [drop <drop>]

Description: Configure tenant EPG as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
tn_name	tenant name
application	application
ap_name	application name
epg	epg
epg_name	epg name
destip	destip
dip	destination IP address
srcipprefix	srcipprefix
sip/m	source IP address used in ERSPAN header
preferspanver	(Optional) Preferred ERSPAN version
id	(Optional) erspan Id. Number range from=1 to=1023
NUMBER	(Optional) mtu value. Number range from=64 to=9216
drop	(Optional) Span only dropped packets

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot node session <session_name> monitor destination tenant <tn_name>
application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [pref-erspan-version
 <preferspanver>] [erspan-id <id>] [mtu <NUMBER>] [drop <drop>]
```

troubleshoot node session nodeid

troubleshoot node session <session_name> nodeid <nodeId>

Description: Create an node troubleshoot session on Node

Syntax:

session	session
session_name	session name
nodeId	Node ID

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot node session <session_name> nodeid <nodeId>
```

troubleshoot node session nodeid interface

troubleshoot node session <session_name> nodeid <nodeId> interface

Description: Create a node troubleshoot session on interface of Node

Syntax:

session	session
session_name	session name
nodeId	Node ID

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot node session <session_name> nodeid <nodeId> interface
```

troubleshoot node session nodeid interface ethernet

troubleshoot node session <session_name> nodeid <nodeId> interface ethernet ethernet <slot>/<port>

Description: Configure Physical Interface

Syntax:

session	session
session_name	session name
nodeId	Node ID
ethernet <slot>/<port>	Provide range of Interfaces

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot node session <session_name> nodeid <nodeId> interface ethernet
ethernet <slot>/<port>
```

trunk-portgroup

trunk-portgroup <arg>

Description: Configure a trunk port group in the VMWare domain

Syntax:

arg	

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# trunk-portgroup <>
```

trust-control

trust-control <WORD>

Description: Configuration for trust control policy

Syntax:

WORD	IPv6 trust control name (Max Size 64)

Command Mode: first-hop-security : Configuration for first hop security

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# trust-control <WORD>
```

trusted-key

trusted-key <id>

Description: Configure trusted for ntp authentication key

Syntax:

| *id* | Id for the trusted key. Number range from=1 to=65535 |

Command Mode: ntp : Configure the default ntp policy

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# ntp
(config-ntp)# trusted-key <id>
```

trusted-key <id>

Description: Configure trusted for ntp authentication key

Syntax:

| *id* | Id for the trusted key. Number range from=1 to=65535 |

Command Mode: template ntp-fabric : Network Time Protocol (NTP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template ntp-fabric <WORD>
(config-template-ntp-fabric)# trusted-key <id>
```

try

try interface|node|epg|vm|vm-port-group scope

Description: Show deployment related changes

Syntax:

interface	Interface
node	Nodes using the policy
epg	Endpoint Group
vm	Virtual Machine
vm-port-group	Port Group
scope	command scope

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# try interface|node|epg|vm|vm-port-group scope
```

U Commands

ui-idle-timeout-seconds

ui-idle-timeout-seconds <NUMBER>

Description: Set maximum GUI idle duration before requiring login refresh

Syntax:

<60-65525>	Set maximum GUI idle duration before requiring login refresh. Number range from=60 to=65525

Command Mode: crypto webtoken : The cryptographic data used for generating and verifying web tokens.

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto webtoken
(config-webtoken)# ui-idle-timeout-seconds <NUMBER>
```

unicast

unicast routing

Description: Instruct the fabric to route based on IP

Syntax:

routing	Unicast routing setting

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# unicast routing
```

update-source ethernet

update-source ethernet <interfaceRange>

Description: Source Ethernet Interface

Syntax:

<interfaceRange>	<interfaceRange>

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# update-source ethernet <interfaceRange>
```

update-source ethernet <interfaceRange>

Description: Source Ethernet Interface

Syntax:

<interfaceRange>	<interfaceRange>

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# update-source ethernet <interfaceRange>
```

update-source loopback

update-source loopback <A.B.C.D>

Description: Source Loopback Interface

Syntax:

A.B.C.D	IPv4 or IPv6 Address without mask

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# update-source loopback <A.B.C.D>
```

update-source loopback <A.B.C.D>

Description: Source Loopback Interface

Syntax:

A.B.C.D	IPv4 or IPv6 Address without mask

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# update-source loopback <A.B.C.D>
```

update-source vlan

update-source vlan <vlan>

Description: Source Vlan Interface

Syntax:

<vlan>	Vlan ID

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# update-source vlan <vlan>
```

update-source vlan <vlan>

Description: Source Vlan Interface

Syntax:

<vlan>	Vlan ID

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# update-source vlan <vlan>
```

uplink-order

uplink-order activeUplink <active_uplink> [standbyUplink <standby_uplink>]

Description: Configure Uplinks Failover Order for EPGs in Native mode

Syntax:

activeUplink	List the active uplink ids in the desired
<active_uplink>	List of active uplinks in the desired order
<standby_uplink>	(Optional) List of standby uplinks in the desired order

Command Mode: vmware-domain : Associate EPG to a VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# uplink-order activeUplink <active_uplink> [standbyUplink
<standby_uplink>]
```

uplink

uplink <uplink-id> <uplink-name>

Description: Configure uplinks on DVS

Syntax:

uplink-id	The (integer) ID of the uplink to be configured
uplink-name	Configure the name of the uplink

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# uplink <uplink-id> <uplink-name>
```

usage

usage <resource-type>

Description: Show deployment usage

Syntax:

resource-type	Resource type consuming the policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# usage <resource-type>
```

use-bia

use-bia

Description: HSRP uses interfaces burned in address

Command Mode: template hsrp interface-policy : Configure HSRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp interface-policy <WORD> tenant <WORD>
(config-template-hsrp-if-pol)# use-bia
```

use-bia

Description: HSRP uses interfaces burned in address

Command Mode: template hsrp interface-policy : Configure HSRP Interface policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp interface-policy <WORD> tenant <WORD>
(config-template-hsrp-if-pol)# use-bia
```

use-keyring

use-keyring <keyring-name>

Description: Use specified keyring for the HTTPS Server SSL certificate

Syntax:

keyring-name	Keyring name (Max Size 64)

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# use-keyring <keyring-name>
```

use-vrf

use-vrf <arg>

Description: Configure the management vrf for dns servers

Syntax:

arg	Configure management vrf

Command Mode: dns : Configure default dns policy

Command Path:

```
# configure [['terminal', 't']]
(config)# dns
(config-dns)# use-vrf <>
```

user

user <WORD>

Description: Set the remote path user name and password

Syntax:

WORD	User name

Command Mode: remote : Remote path configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# remote path <WORD>
(config-remote)# user <WORD>
```

user <user-name>

Description: User Name

Syntax:

user-name	User Name

Command Mode: integrations-mgr : Integrations Manager

Command Path:

```
# configure [['terminal', 't']]
(config)# integrations-group <WORD>
(config-integrations-group)# integrations-mgr <WORD> <type>
(config-integrations-mgr)# user <user-name>
```

username

username <WORD>

Description: Create a locally-authenticated user account

Syntax:

WORD	User name (Max Size 32)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
```

username <WORD>

Description: Configure a user account for the vCenter

Syntax:

WORD	Username for the account

Command Mode: vcenter : Configure a vCenter in the VMware domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
(config-vmware-vc)# username <WORD>
```

username <WORD>

Description: Configure a user account for the RHEV controller

Syntax:

WORD	Username for the account

Command Mode: rhev : Configure an RHEV controller in the Redhat domain

Command Path:

```
# configure [['terminal', 't']]
(config)# rhev-domain <WORD> [delimiter <WORD>]
(config-redhat)# rhev <> datacenter <WORD>
(config-redhat-rhev)# username <WORD>
```

V Commands

vcenter

vcenter <arg> datacenter <WORD> [dvs-version <arg>]

Description: Configure a vCenter in the VMware domain

Syntax:

arg	
datacenter	Datacenter Name
WORD	Datacenter Name
arg	(Optional)

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
```

vemcmd clear fhs

vemcmd clear fhs

Description: Clear FHS stats

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd clear fhs
```

vemcmd clear fhs

Description: Clear FHS stats

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd clear fhs
```

vemcmd clear fhs

Description: Clear FHS stats

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd clear fhs
```

vemcmd clear fhs dai

vemcmd clear fhs dai stats <vlan-id>

Description: Clear FHS stats

Syntax:

stats	clear FHS stats
vlan-id	Clear FHS DAI stats <vlan-id>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd clear fhs dai stats <vlan-id>
```

vemcmd clear fhs dai stats <vlan-id>

Description: Clear FHS stats

Syntax:

stats	clear FHS stats
vlan-id	Clear FHS DAI stats <vlan-id>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd clear fhs dai stats <vlan-id>
```

vemcmd clear fhs dai stats <vlan-id>

Description: Clear FHS stats

Syntax:

stats	clear FHS stats
vlan-id	Clear FHS DAI stats <vlan-id>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd clear fhs dai stats <vlan-id>
```

vemcmd clear fhs dhcps

vemcmd clear fhs dhcps stats

Description: Clear FHS DHCPs stats

Syntax:

stats	clear FHS DHCPs stats

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd clear fhs dhcps stats
```

vemcmd clear fhs dhcps stats

Description: Clear FHS DHCPs stats

Syntax:

stats	clear FHS DHCPs stats

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd clear fhs dhcps stats
```

vemcmd clear fhs dhcps stats

Description: Clear FHS DHCPs stats

Syntax:

stats	clear FHS DHCPs stats

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd clear fhs dhcps stats
```

vemcmd clear fhs stats

vemcmd clear fhs stats all

Description: Clear FHS stats

Syntax:

all	clear FHS stats

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd clear fhs stats all
```

vemcmd clear fhs stats all

Description: Clear FHS stats

Syntax:

all	clear FHS stats

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd clear fhs stats all
```

vemcmd clear fhs stats all

Description: Clear FHS stats

Syntax:

all	clear FHS stats

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd clear fhs stats all
```

vemcmd dp dump bdrvteplist swbd

vemcmd dp dump bdrvteplist swbd <swbd>

Description: vemcmd dp dump bd-rvteplist swbd <swbd>

Syntax:

swbd	vemcmd dp dump bd-rvteplist swbd <swbd>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dp dump bdrvteplist swbd <swbd>
```

vemcmd dp dump bdrvteplist swbd <swbd>

Description: vemcmd dp dump bd-rvteplist swbd <swbd>

Syntax:

swbd	vemcmd dp dump bd-rvteplist swbd <swbd>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dp dump bdrvteplist swbd <swbd>
```

vemcmd dp dump bdrvteplist swbd <swbd>

Description: vemcmd dp dump bd-rvteplist swbd <swbd>

Syntax:

swbd	vemcmd dp dump bd-rvteplist swbd <swbd>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dp dump bdrvteplist swbd <swbd>
```

vemcmd dp dump vrfrvteplist vrfvnid

vemcmd dp dump vrfrvteplist vrfvnid <vrfvnid>

Description: vemcmd dp dump vrf-rvteplist vrfvnid <vrfvnid>

Syntax:

vrfvnid	vemcmd dp dump vrf-rvteplist vrfvnid <vrfvnid>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dp dump vrfrvteplist vrfvnid <vrfvnid>
```

vemcmd dp dump vrfrvteplist vrfvnid <vrfvnid>

Description: vemcmd dp dump vrf-rvteplist vrfvnid <vrfvnid>

Syntax:

vrfvnid	vemcmd dp dump vrf-rvteplist vrfvnid <vrfvnid>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dp dump vrfrvteplist vrfvnid <vrfvnid>
```

vemcmd dp dump vrfrvteplist vrfvnid <vrfvnid>

Description: vemcmd dp dump vrf-rvteplist vrfvnid <vrfvnid>

Syntax:

vrfvnid	vemcmd dp dump vrf-rvteplist vrfvnid <vrfvnid>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dp dump vrfrvteplist vrfvnid <vrfvnid>
```

vemcmd dpa dump

vemcmd dpa dump

Description: Clear FHS stats

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dpa dump
```

vemcmd dpa dump

Description: Clear FHS stats

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dpa dump
```

vemcmd dpa dump

Description: Clear FHS stats

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dpa dump
```

vemcmd dpa dump contracts

vemcmd dpa dump contracts all|agent|uri|log-dp|log-agent

Description: Show FHS stats

Syntax:

all	all
agent	agent
uri	uri
log-dp	log-dp
log-agent	log-agent

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dpa dump contracts all|agent|uri|log-dp|log-agent
```

vemcmd dpa dump contracts all|agent|uri|log-dp|log-agent

Description: Show FHS stats

Syntax:

all	all
agent	agent
uri	uri
log-dp	log-dp
log-agent	log-agent

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dpa dump contracts all|agent|uri|log-dp|log-agent
```

vemcmd dpa dump contracts all|agent|uri|log-dp|log-agent

Description: Show FHS stats

Syntax:

all	all
agent	agent
uri	uri
log-dp	log-dp
log-agent	log-agent

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dpa dump contracts all|agent|uri|log-dp|log-agent
```

vemcmd dpa dump modb

vemcmd dpa dump modb

Description: Show FHS stats

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dpa dump modb
```

vemcmd dpa dump modb

Description: Show FHS stats

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dpa dump modb
```

vemcmd dpa dump modb

Description: Show FHS stats

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dpa dump modb
```

vemcmd dpa epg

vemcmd dpa epg add <filename>

Description: vemcmd dpa epg

Syntax:

add	vemcmd dpa epg
filename	vemcmd dpa epg add [<filename>]

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dpa epg add <filename>
```

vemcmd dpa epg remove <filename>

Description: vemcmd dpa epg

Syntax:

remove	vemcmd dpa epg
filename	vemcmd dpa epg remove [<filename>]

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dpa epg remove <filename>
```

vemcmd dpa epg add <filename>

Description: vemcmd dpa epg

Syntax:

add	vemcmd dpa epg
filename	vemcmd dpa epg add [<filename>]

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dpa epg add <filename>
```

vemcmd dpa epg remove <filename>

Description: vemcmd dpa epg

Syntax:

remove	vemcmd dpa epg
filename	vemcmd dpa epg remove [<filename>]

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dpa epg remove <filename>
```

vemcmd dpa epg add <filename>

Description: vemcmd dpa epg

Syntax:

add	vemcmd dpa epg
filename	vemcmd dpa epg add [<filename>]

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dpa epg add <filename>
```

vemcmd dpa epg remove <filename>

Description: vemcmd dpa epg

Syntax:

remove	vemcmd dpa epg
filename	vemcmd dpa epg remove [<filename>]

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dpa epg remove <filename>
```

vemcmd dpa show

vemcmd dpa show

Description: Clear FHS stats

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dpa show
```

vemcmd dpa show

Description: Clear FHS stats

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dpa show
```

vemcmd dpa show

Description: Clear FHS stats

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dpa show
```

vemcmd dpa show contracts

vemcmd dpa show contracts

Description: Clear FHS stats

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dpa show contracts
```

vemcmd dpa show contracts

Description: Clear FHS stats

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dpa show contracts
```

vemcmd dpa show contracts

Description: Clear FHS stats

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dpa show contracts
```

vemcmd dpa show contracts change-list

vemcmd dpa show contracts change-list

Description: vemcmd dpa show contracts change-list

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dpa show contracts change-list
```

vemcmd dpa show contracts change-list

Description: vemcmd dpa show contracts change-list

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dpa show contracts change-list
```

vemcmd dpa show contracts change-list

Description: vemcmd dpa show contracts change-list

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dpa show contracts change-list
```

vemcmd dpa show contracts epg-pair

vemcmd dpa show contracts epg-pair \<prov-epg> \<cons-epg>

Description: vemcmd dpa show contracts epg-pair

Syntax:

\<prov-epg> \<cons-epg>	vemcmd dpa show contracts epg-pair \<prov-epg> \<cons-epg>

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dpa show contracts epg-pair <prov-epg> <cons-epg>
```

vemcmd dpa show contracts epg-pair \<prov-epg> \<cons-epg>

Description: vemcmd dpa show contracts epg-pair

Syntax:

\<prov-epg> \<cons-epg>	vemcmd dpa show contracts epg-pair \<prov-epg> \<cons-epg>

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dpa show contracts epg-pair <prov-epg> <cons-epg>
```

vemcmd dpa show contracts epg-pair \<prov-epg> \<cons-epg>

Description: vemcmd dpa show contracts epg-pair

Syntax:

\<prov-epg> \<cons-epg>	vemcmd dpa show contracts epg-pair \<prov-epg> \<cons-epg>

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dpa show contracts epg-pair <prov-epg> <cons-epg>
```

vemcmd dpa show contracts log

vemcmd dpa show contracts log change-list|contracts|epg

Description: vemcmd dpa show contracts change-list

Syntax:

change-list	Show binding table entry in VEM
contracts	Show DHCP snoop tr
epg	epg

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd dpa show contracts log change-list|contracts|epg
```

vemcmd dpa show contracts log change-list|contracts|epg

Description: vemcmd dpa show contracts change-list

Syntax:

change-list	Show binding table entry in VEM
contracts	Show DHCP snoop tr
epg	epg

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd dpa show contracts log change-list|contracts|epg
```

vemcmd dpa show contracts log change-list|contracts|epg

Description: vemcmd dpa show contracts change-list

Syntax:

change-list	Show binding table entry in VEM
contracts	Show DHCP snoop tr
epg	epg

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd dpa show contracts log change-list|contracts|epg
```

vemcmd show avs

vemcmd show avs macpinning

Description: Show vLeaf AVS

Syntax:

macpinning	Show vLeaf mac pinning

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show avs macpinning
```

vemcmd show avs macpinning

Description: Show vLeaf AVS

Syntax:

macpinning	Show vLeaf mac pinning

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show avs macpinning
```

vemcmd show avs macpinning

Description: Show vLeaf AVS

Syntax:

macpinning	Show vLeaf mac pinning

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show avs macpinning
```

vemcmd show bd

vemcmd show bd

Description: vemcmd show bd

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show bd
```

vemcmd show bd

Description: vemcmd show bd

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show bd
```

vemcmd show bd

Description: vemcmd show bd

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show bd
```

vemcmd show bdsubnet

vemcmd show bdsubnet

Description: vemcmd show bdsubnet

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show bdsubnet
```

vemcmd show bdsubnet

Description: vemcmd show bdsubnet

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show bdsubnet
```

vemcmd show bdsubnet

Description: vemcmd show bdsubnet

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show bdsubnet
```

vemcmd show cdp

vemcmd show cdp neighbors|<0-4096> [details]

Description: Show CDP information

Syntax:

neighbors	neighbors
<0-4096>	<0-4096>
details	(Optional) show cdp {<ltl>|neighbors} [details]

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show cdp neighbors|<0-4096> [details]
```

vemcmd show cdp neighbors|<0-4096> [details]

Description: Show CDP information

Syntax:

neighbors	neighbors
<0-4096>	<0-4096>
details	(Optional) show cdp {<ltl>|neighbors} [details]

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show cdp neighbors|<0-4096> [details]
```

vemcmd show cdp neighbors|<0-4096> [details]

Description: Show CDP information

Syntax:

neighbors	neighbors
<0-4096>	<0-4096>
details	(Optional) show cdp {<ltl>|neighbors} [details]

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show cdp neighbors|<0-4096> [details]
```

vemcmd show contracts

vemcmd show contracts epg-pairs|filters|stats

Description: vemcmd show contracts

Syntax:

epg-pairs	Show Contract EPG-Pairs
filters	Show Contract Filters
stats	Show Contract stats all

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show contracts epg-pairs|filters|stats
```

vemcmd show contracts epg-pairs|filters|stats

Description: vemcmd show contracts

Syntax:

epg-pairs	Show Contract EPG-Pairs
filters	Show Contract Filters
stats	Show Contract stats all

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show contracts epg-pairs|filters|stats
```

vemcmd show contracts epg-pairs|filters|stats

Description: vemcmd show contracts

Syntax:

epg-pairs	Show Contract EPG-Pairs
filters	Show Contract Filters
stats	Show Contract stats all

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show contracts epg-pairs|filters|stats
```

vemcmd show coop

vemcmd show coop publish|query

Description: Show coop

Syntax:

publish	Show coop publish
query	Show coop query

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show coop publish|query
```

vemcmd show coop publish|query

Description: Show coop

Syntax:

publish	Show coop publish
query	Show coop query

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show coop publish|query
```

vemcmd show coop publish|query

Description: Show coop

Syntax:

publish	Show coop publish
query	Show coop query

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show coop publish|query
```

vemcmd show dfw connection

vemcmd show dfw connection stats <dfw-stats-ltl>

Description: Show DFW connection stats <ltl>

Syntax:

stats	show dfw connection stats <ltl>
dfw-stats-ltl	show dfw connection stats <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show dfw connection stats <dfw-stats-ltl>
```

vemcmd show dfw connection stats <dfw-stats-ltl>

Description: Show DFW connection stats <ltl>

Syntax:

stats	show dfw connection stats <ltl>
dfw-stats-ltl	show dfw connection stats <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show dfw connection stats <dfw-stats-ltl>
```

vemcmd show dfw connection stats <dfw-stats-ltl>

Description: Show DFW connection stats <ltl>

Syntax:

stats	show dfw connection stats <ltl>
dfw-stats-ltl	show dfw connection stats <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show dfw connection stats <dfw-stats-ltl>
```

vemcmd show dfw flows

vemcmd show dfw flows all|unreported

Description: Show DFW flows {all|unreported}

Syntax:

all	show dfw flows all
unreported	show dfw flows unreported

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show dfw flows all|unreported
```

vemcmd show dfw flows all|unreported

Description: Show DFW flows {all|unreported}

Syntax:

all	show dfw flows all
unreported	show dfw flows unreported

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show dfw flows all|unreported
```

vemcmd show dfw flows all|unreported

Description: Show DFW flows {all|unreported}

Syntax:

all	show dfw flows all
unreported	show dfw flows unreported

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show dfw flows all|unreported
```

vemcmd show dfw globals

vemcmd show dfw globals [ltl <ltl>]

Description: Show port globals information

Syntax:

ltl	(Optional) Show dfw globals ltl <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show dfw globals [ltl <ltl>]
```

vemcmd show dfw globals [ltl <ltl>]

Description: Show port globals information

Syntax:

ltl	(Optional) Show dfw globals ltl <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show dfw globals [ltl <ltl>]
```

vemcmd show dfw globals [ltl <ltl>]

Description: Show port globals information

Syntax:

ltl	(Optional) Show dfw globals ltl <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show dfw globals [ltl <ltl>]
```

vemcmd show dfw interfaces

vemcmd show dfw interfaces

Description: Show DFW interfaces

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show dfw interfaces
```

vemcmd show dfw interfaces

Description: Show DFW interfaces

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show dfw interfaces
```

vemcmd show dfw interfaces

Description: Show DFW interfaces

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show dfw interfaces
```

vemcmd show dfw port-drop

vemcmd show dfw port-drop stats <ltl>

Description: Show DFW port-drop info

Syntax:

stats	Show dfW port-drop stats
ltl	show dfw port-drop stats <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show dfw port-drop stats <ltl>
```

vemcmd show dfw port-drop stats <ltl>

Description: Show DFW port-drop info

Syntax:

stats	Show dfW port-drop stats
ltl	show dfw port-drop stats <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show dfw port-drop stats <ltl>
```

vemcmd show dfw port-drop stats <ltl>

Description: Show DFW port-drop info

Syntax:

stats	Show dfW port-drop stats
ltl	show dfw port-drop stats <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show dfw port-drop stats <ltl>
```

vemcmd show dfw session

vemcmd show dfw session stats <ltl>

Description: Show DFW Port TCP session Stats

Syntax:

stats	Show DFW Port TCP session Stats
ltl	Show DFW session stats <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show dfw session stats <ltl>
```

vemcmd show dfw session stats <ltl>

Description: Show DFW Port TCP session Stats

Syntax:

stats	Show DFW Port TCP session Stats
ltl	Show DFW session stats <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show dfw session stats <ltl>
```

vemcmd show dfw session stats <ltl>

Description: Show DFW Port TCP session Stats

Syntax:

stats	Show DFW Port TCP session Stats
ltl	Show DFW session stats <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show dfw session stats <ltl>
```

vemcmd show dfwdenyflows

vemcmd show dfwdenyflows all|<0-4096>

Description: Show DFW Deny flows {all|<ltl>}

Syntax:

all	all
<0-4096>	<0-4096>

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show dfwdenyflows all|<0-4096>
```

vemcmd show dfwdenyflows all|<0-4096>

Description: Show DFW Deny flows {all|<ltl>}

Syntax:

all	all
<0-4096>	<0-4096>

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show dfwdenyflows all|<0-4096>
```

vemcmd show dfwdenyflows all|<0-4096>

Description: Show DFW Deny flows {all|<ltl>}

Syntax:

all	all
<0-4096>	<0-4096>

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show dfwdenyflows all|<0-4096>
```

vemcmd show dfwflows ftp

vemcmd show dfwflows ftp ltl <num>

Description: Show DFW flows FTP ltl <ltl>

Syntax:

ltl	show dfwflows ftp ltl
num	show dfwflows ftp ltl <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show dfwflows ftp ltl <num>
```

vemcmd show dfwflows ftp ltl <num>

Description: Show DFW flows FTP ltl <ltl>

Syntax:

ltl	show dfwflows ftp ltl
num	show dfwflows ftp ltl <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show dfwflows ftp ltl <num>
```

vemcmd show dfwflows ftp ltl <num>

Description: Show DFW flows FTP ltl <ltl>

Syntax:

ltl	show dfwflows ftp ltl
num	show dfwflows ftp ltl <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show dfwflows ftp ltl <num>
```

vemcmd show dfwflows ltl

vemcmd show dfwflows ltl <num>

Description: Show DFW flows ltl <ltl>

Syntax:

num	show dfwflows ltl <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show dfwflows ltl <num>
```

vemcmd show dfwflows ltl <num>

Description: Show DFW flows ltl <ltl>

Syntax:

num	show dfwflows ltl <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show dfwflows ltl <num>
```

vemcmd show dfwflows ltl <num>

Description: Show DFW flows ltl <ltl>

Syntax:

num	show dfwflows ltl <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show dfwflows ltl <num>
```

vemcmd show dfwslflows

vemcmd show dfwslflows all|<0-4096>

Description: Show DFW Short Lived flows {all|<ltl>}

Syntax:

all	all
<0-4096>	<0-4096>

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show dfwslflows all|<0-4096>
```

vemcmd show dfwslflows all|<0-4096>

Description: Show DFW Short Lived flows {all|<ltl>}

Syntax:

all	all
<0-4096>	<0-4096>

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show dfwslflows all|<0-4096>
```

vemcmd show dfwslflows all|<0-4096>

Description: Show DFW Short Lived flows {all|<ltl>}

Syntax:

all	all
<0-4096>	<0-4096>

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show dfwslflows all|<0-4096>
```

vemcmd show epp

vemcmd show epp multicast

Description: Show EPP information

Syntax:

multicast	show epp multicast

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show epp multicast
```

vemcmd show epp multicast

Description: Show EPP information

Syntax:

multicast	show epp multicast

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show epp multicast
```

vemcmd show epp multicast

Description: Show EPP information

Syntax:

multicast	show epp multicast

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show epp multicast
```

vemcmd show fhs-stats

vemcmd show fhs-stats cookie <cookie_num>

Description: Show FHS stats

Syntax:

cookie	show fhs-stats cookie <number>
cookie_num	show fhs-stats cookie <number>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show fhs-stats cookie <cookie_num>
```

vemcmd show fhs-stats cookie <cookie_num>

Description: Show FHS stats

Syntax:

cookie	show fhs-stats cookie <number>
cookie_num	show fhs-stats cookie <number>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show fhs-stats cookie <cookie_num>
```

vemcmd show fhs-stats cookie <cookie_num>

Description: Show FHS stats

Syntax:

cookie	show fhs-stats cookie <number>
cookie_num	show fhs-stats cookie <number>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show fhs-stats cookie <cookie_num>
```

vemcmd show fhs arp-learning

vemcmd show fhs arp-learning

Description: Show FHS arp learning

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show fhs arp-learning
```

vemcmd show fhs arp-learning

Description: Show FHS arp learning

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show fhs arp-learning
```

vemcmd show fhs arp-learning

Description: Show FHS arp learning

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show fhs arp-learning
```

vemcmd show fhs dai

vemcmd show fhs dai interfaces|stats|vlan

Description: Show FHS DAI information

Syntax:

interfaces	Show DAI trusted/untrusted intfs
stats	Show DAI stats
vlan	Show DAI VLANs

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show fhs dai interfaces|stats|vlan
```

vemcmd show fhs dai interfaces|stats|vlan

Description: Show FHS DAI information

Syntax:

interfaces	Show DAI trusted/untrusted intfs
stats	Show DAI stats
vlan	Show DAI VLANs

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show fhs dai interfaces|stats|vlan
```

vemcmd show fhs dai interfaces|stats|vlan

Description: Show FHS DAI information

Syntax:

interfaces	Show DAI trusted/untrusted intfs
stats	Show DAI stats
vlan	Show DAI VLANs

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show fhs dai interfaces|stats|vlan
```

vemcmd show fhs dhcps

vemcmd show fhs dhcps binding|interfaces|stats|vlan

Description: Show FHS DHCP information

Syntax:

binding	Show binding table entry in VEM
interfaces	Show DHCP snoop trusted/untrusted intfs
stats	Show DHCP stats
vlan	Show DHCP snoop VLANs

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show fhs dhcps binding|interfaces|stats|vlan
```

vemcmd show fhs dhcps binding|interfaces|stats|vlan

Description: Show FHS DHCP information

Syntax:

binding	Show binding table entry in VEM
interfaces	Show DHCP snoop trusted/untrusted intfs
stats	Show DHCP stats
vlan	Show DHCP snoop VLANs

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show fhs dhcps binding|interfaces|stats|vlan
```

vemcmd show fhs dhcps binding|interfaces|stats|vlan

Description: Show FHS DHCP information

Syntax:

binding	Show binding table entry in VEM
interfaces	Show DHCP snoop trusted/untrusted intfs

stats	Show DHCP stats
vlan	Show DHCP snoop VLANs

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show fhs dhcps binding|interfaces|stats|vlan
```

vemcmd show fhs ipsg

vemcmd show fhs ipsg interfaces

Description: Show IPSG intfs

Syntax:

interfaces	Show IPSG intfs

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show fhs ipsg interfaces
```

vemcmd show fhs ipsg interfaces

Description: Show IPSG intfs

Syntax:

interfaces	Show IPSG intfs

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show fhs ipsg interfaces
```

vemcmd show fhs ipsg interfaces

Description: Show IPSG intfs

Syntax:

interfaces	Show IPSG intfs

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show fhs ipsg interfaces
```

vemcmd show fhs learnt-ip

vemcmd show fhs learnt-ip

Description: Show FHS learnt ip

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show fhs learnt-ip
```

vemcmd show fhs learnt-ip

Description: Show FHS learnt ip

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show fhs learnt-ip
```

vemcmd show fhs learnt-ip

Description: Show FHS learnt ip

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show fhs learnt-ip
```

vemcmd show fhs static

vemcmd show fhs static binding

Description: Show dhcps dpa table

Syntax:

binding	Show dhcps dpa table

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show fhs static binding
```

vemcmd show fhs static binding

Description: Show dhcps dpa table

Syntax:

binding	Show dhcps dpa table

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show fhs static binding
```

vemcmd show fhs static binding

Description: Show dhcps dpa table

Syntax:

binding	Show dhcps dpa table

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show fhs static binding
```

vemcmd show fhs stats

vemcmd show fhs stats

Description: Show FHS stats

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show fhs stats
```

vemcmd show fhs stats

Description: Show FHS stats

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show fhs stats
```

vemcmd show fhs stats

Description: Show FHS stats

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show fhs stats
```

vemcmd show heap

vemcmd show heap

Description: Show the heap list

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show heap
```

vemcmd show heap

Description: Show the heap list

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show heap
```

vemcmd show heap

Description: Show the heap list

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show heap
```

vemcmd show host

vemcmd show host

Description: Show the host details

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show host
```

vemcmd show host

Description: Show the host details

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show host
```

vemcmd show host

Description: Show the host details

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show host
```

vemcmd show hrep

vemcmd show hrep

Description: vemcmd show hrep

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show hrep
```

vemcmd show hrep

Description: vemcmd show hrep

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show hrep
```

vemcmd show hrep

Description: vemcmd show hrep

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show hrep
```

vemcmd show hrep info

vemcmd show hrep info

Description: vemcmd show hrep info

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show hrep info
```

vemcmd show hrep info

Description: vemcmd show hrep info

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show hrep info
```

vemcmd show hrep info

Description: vemcmd show hrep info

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show hrep info
```

vemcmd show l2

vemcmd show l2 all|<0-4096>

Description: Show l2 information {all|<vlan>}

Syntax:

all	all
<0-4096>	<0-4096>

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show l2 all|<0-4096>
```

vemcmd show l2 all|<0-4096>

Description: Show l2 information {all|<vlan>}

Syntax:

all	all
<0-4096>	<0-4096>

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show l2 all|<0-4096>
```

vemcmd show l2 all|<0-4096>

Description: Show l2 information {all|<vlan>}

Syntax:

all	all
<0-4096>	<0-4096>

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show l2 all|<0-4096>
```

vemcmd show l3

vemcmd show l3

Description: vemcmd show l3

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show l3
```

vemcmd show l3

Description: vemcmd show l3

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show l3
```

vemcmd show l3

Description: vemcmd show l3

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show l3
```

vemcmd show l3 all

vemcmd show l3 all

Description: vemcmd show l3 all

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show l3 all
```

vemcmd show l3 all

Description: vemcmd show l3 all

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show l3 all
```

vemcmd show l3 all

Description: vemcmd show l3 all

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show l3 all
```

vemcmd show lacp

vemcmd show lacp <lacp_ltl>

Description: Show LACP information

Syntax:

lacp_ltl	Show LACP <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show lacp <lacp_ltl>
```

vemcmd show lacp <lacp_ltl>

Description: Show LACP information

Syntax:

lacp_ltl	Show LACP <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show lacp <lacp_ltl>
```

vemcmd show lacp <lacp_ltl>

Description: Show LACP information

Syntax:

lacp_ltl	Show LACP <ltl>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show lacp <lacp_ltl>
```

vemcmd show lldp

vemcmd show lldp neighbors|<0-4096>

Description: Show LLDP information

Syntax:

neighbors	neighbors
<0-4096>	<0-4096>

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show lldp neighbors|<0-4096>
```

vemcmd show lldp neighbors|<0-4096>

Description: Show LLDP information

Syntax:

neighbors	neighbors
<0-4096>	<0-4096>

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show lldp neighbors|<0-4096>
```

vemcmd show lldp neighbors|<0-4096>

Description: Show LLDP information

Syntax:

neighbors	neighbors
<0-4096>	<0-4096>

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show lldp neighbors|<0-4096>
```

vemcmd show macpool

vemcmd show macpool <intfname>

Description: Show the VEM and VSM versions

Syntax:

intfname	Show microsegment tables info <tbl-id>

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show macpool <intfname>
```

vemcmd show macpool <intfname>

Description: Show the VEM and VSM versions

Syntax:

intfname	Show microsegment tables info <tbl-id>

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show macpool <intfname>
```

vemcmd show macpool <intfname>

Description: Show the VEM and VSM versions

Syntax:

intfname	Show microsegment tables info <tbl-id>

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show macpool <intfname>
```

vemcmd show mempool

vemcmd show mempool

Description: Show the memory pool list

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show mempool
```

vemcmd show mempool

Description: Show the memory pool list

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show mempool
```

vemcmd show mempool

Description: Show the memory pool list

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show mempool
```

vemcmd show microsegment tables brief

vemcmd show microsegment tables brief

Description: Show vLeaf microsegment tables brief

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show microsegment tables brief
```

vemcmd show microsegment tables brief

Description: Show vLeaf microsegment tables brief

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show microsegment tables brief
```

vemcmd show microsegment tables brief

Description: Show vLeaf microsegment tables brief

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show microsegment tables brief
```

vemcmd show microsegment tables info

vemcmd show microsegment tables info <tbld-id>

Description: Show vLeaf microsegment tables info <tbl-id>

Syntax:

tbld-id	Show vLeaf microsegment tables info <tbl-id>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show microsegment tables info <tbld-id>
```

vemcmd show microsegment tables info <tbld-id>

Description: Show vLeaf microsegment tables info <tbl-id>

Syntax:

tbld-id	Show vLeaf microsegment tables info <tbl-id>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show microsegment tables info <tbld-id>
```

vemcmd show microsegment tables info <tbld-id>

Description: Show vLeaf microsegment tables info <tbl-id>

Syntax:

tbld-id	Show vLeaf microsegment tables info <tbl-id>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show microsegment tables info <tbld-id>
```

vemcmd show mtep ipaddress

vemcmd show mtep ipaddress

Description: Show the VEM and VSM versions

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show mtep ipaddress
```

vemcmd show mtep ipaddress

Description: Show the VEM and VSM versions

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show mtep ipaddress
```

vemcmd show mtep ipaddress

Description: Show the VEM and VSM versions

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show mtep ipaddress
```

vemcmd show opflex

vemcmd show opflex cloud

Description: Show opflex status

Syntax:

cloud	Show opflex status cloud

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show opflex cloud
```

vemcmd show opflex cloud

Description: Show opflex status

Syntax:

cloud	Show opflex status cloud

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show opflex cloud
```

vemcmd show opflex cloud

Description: Show opflex status

Syntax:

cloud	Show opflex status cloud

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show opflex cloud
```

vemcmd show packets

vemcmd show packets

Description: Show packets

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show packets
```

vemcmd show packets

Description: Show packets

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show packets
```

vemcmd show packets

Description: Show packets

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show packets
```

vemcmd show pc

vemcmd show pc info|mode

Description: Show port channel

Syntax:

info	Show port channel table
mode	Show port-channel mode on uplink

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show pc info|mode
```

vemcmd show pc info|mode

Description: Show port channel

Syntax:

info	Show port channel table
mode	Show port-channel mode on uplink

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show pc info|mode
```

vemcmd show pc info|mode

Description: Show port channel

Syntax:

info	Show port channel table
mode	Show port-channel mode on uplink

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show pc info|mode
```

vemcmd show pd-port

vemcmd show pd-port

Description: Show pd-port

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show pd-port
```

vemcmd show pd-port

Description: Show pd-port

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show pd-port
```

vemcmd show pd-port

Description: Show pd-port

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show pd-port
```

vemcmd show port

vemcmd show port vlans internal|system|vsm

Description: Show port information

Syntax:

vlans	vlans keyword
internal	internal
system	system
vsm	vsm

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show port vlans internal|system|vsm
```

vemcmd show port vlans internal|system|vsm

Description: Show port information

Syntax:

vlans	vlans keyword
internal	internal
system	system
vsm	vsm

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show port vlans internal|system|vsm
```

vemcmd show port vlans internal|system|vsm

Description: Show port information

Syntax:

vlans	vlans keyword
internal	internal

system	system
vsm	vsm

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show port vlans internal|system|vsm
```

vemcmd show portmac

vemcmd show portmac

Description: Show the port table MAC entries

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show portmac
```

vemcmd show portmac

Description: Show the port table MAC entries

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show portmac
```

vemcmd show portmac

Description: Show the port table MAC entries

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show portmac
```

vemcmd show proxy-arp

vemcmd show proxy-arp

Description: Show Proxy ARP

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show proxy-arp
```

vemcmd show proxy-arp

Description: Show Proxy ARP

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show proxy-arp
```

vemcmd show proxy-arp

Description: Show Proxy ARP

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show proxy-arp
```

vemcmd show redir

vemcmd show redir group info

Description: Show PBR

Syntax:

group	Show PBR group
info	Show PBR group info

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show redir group info
```

vemcmd show redir group info

Description: Show PBR

Syntax:

group	Show PBR group
info	Show PBR group info

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show redir group info
```

vemcmd show redir group info

Description: Show PBR

Syntax:

group	Show PBR group
info	Show PBR group info

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show redir group info
```

vemcmd show sod

vemcmd show sod

Description: Show the switch opaque data

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show sod
```

vemcmd show sod

Description: Show the switch opaque data

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show sod
```

vemcmd show sod

Description: Show the switch opaque data

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show sod
```

vemcmd show span

vemcmd show span

Description: Show SPAN/ERSPAN information

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show span
```

vemcmd show span

Description: Show SPAN/ERSPAN information

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show span
```

vemcmd show span

Description: Show SPAN/ERSPAN information

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show span
```

vemcmd show stats cookie

vemcmd show stats cookie <stats-cookie>

Description: Show stats cookie

Syntax:

stats-cookie	Show stats cookie. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show stats cookie <stats-cookie>
```

vemcmd show stats cookie <stats-cookie>

Description: Show stats cookie

Syntax:

stats-cookie	Show stats cookie. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show stats cookie <stats-cookie>
```

vemcmd show stats cookie <stats-cookie>

Description: Show stats cookie

Syntax:

stats-cookie	Show stats cookie. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show stats cookie <stats-cookie>
```

vemcmd show useg all

vemcmd show useg all

Description: Show microsegmentation all information

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show useg all
```

vemcmd show useg all

Description: Show microsegmentation all information

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show useg all
```

vemcmd show useg all

Description: Show microsegmentation all information

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show useg all
```

vemcmd show useg tables brief

vemcmd show useg tables brief

Description: Show microsegmentation tables brief

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show useg tables brief
```

vemcmd show useg tables brief

Description: Show microsegmentation tables brief

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show useg tables brief
```

vemcmd show useg tables brief

Description: Show microsegmentation tables brief

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show useg tables brief
```

vemcmd show useg tables info

vemcmd show useg tables info <tbld-id>

Description: Show microsegment tables info <tbl-id>

Syntax:

tbld-id	Show microsegment tables info <tbl-id>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show useg tables info <tbld-id>
```

vemcmd show useg tables info <tbld-id>

Description: Show microsegment tables info <tbl-id>

Syntax:

tbld-id	Show microsegment tables info <tbl-id>. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show useg tables info <tbld-id>
```

vemcmd show useg tables info <tbld-id>

Description: Show microsegment tables info <tbl-id>

Syntax:

tbld-id	Show microsegment tables info <tbl-id>. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show useg tables info <tbld-id>
```

vemcmd show useg unresolved

vemcmd show useg unresolved

Description: Show microsegmentation unresolved port

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show useg unresolved
```

vemcmd show useg unresolved

Description: Show microsegmentation unresolved port

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show useg unresolved
```

vemcmd show useg unresolved

Description: Show microsegmentation unresolved port

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show useg unresolved
```

vemcmd show version

vemcmd show version

Description: Show the VEM and VSM versions

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show version
```

vemcmd show version

Description: Show the VEM and VSM versions

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show version
```

vemcmd show version

Description: Show the VEM and VSM versions

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show version
```

vemcmd show vlan

vemcmd show vlan <vlan_num>

Description: Show a given vlan

Syntax:

vlan_num	Show vlan number. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show vlan <vlan_num>
```

vemcmd show vlan <vlan_num>

Description: Show a given vlan

Syntax:

vlan_num	Show vlan number. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show vlan <vlan_num>
```

vemcmd show vlan <vlan_num>

Description: Show a given vlan

Syntax:

vlan_num	Show vlan number. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show vlan <vlan_num>
```

vemcmd show vxlanstats

vemcmd show vxlanstats

Description: Show VXLAN VTEP VM mapping Information

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show vxlanstats
```

vemcmd show vxlanstats

Description: Show VXLAN VTEP VM mapping Information

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show vxlanstats
```

vemcmd show vxlanstats

Description: Show VXLAN VTEP VM mapping Information

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show vxlanstats
```

vemcmd show vxlanvtepmap

vemcmd show vxlanvtepmap

Description: Show VXLAN VTEP VM mapping Information

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show vxlanvtepmap
```

vemcmd show vxlanvtepmap

Description: Show VXLAN VTEP VM mapping Information

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show vxlanvtepmap
```

vemcmd show vxlanvtepmap

Description: Show VXLAN VTEP VM mapping Information

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show vxlanvtepmap
```

vemcmd show vxlanvteps

vemcmd show vxlanvteps

Description: Show VXLAN VTEPs

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemcmd show vxlanvteps
```

vemcmd show vxlanvteps

Description: Show VXLAN VTEPs

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemcmd show vxlanvteps
```

vemcmd show vxlanvteps

Description: Show VXLAN VTEPs

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemcmd show vxlanvteps
```

vemdebug set infra

vemdebug set infra tagging 0|1

Description: vemdebug set infra tagging

Syntax:

tagging	vemdebug set infra tagging
0	vemcmd dpa epg remove [<filename>]. Number range from=0 to=9223372036854775807
1	vemcmd dpa epg remove [<filename>]. Number range from=0 to=9223372036854775807

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemdebug set infra tagging 0|1
```

vemdebug set infra tagging 0|1

Description: vemdebug set infra tagging

Syntax:

tagging	vemdebug set infra tagging
0	vemcmd dpa epg remove [<filename>]. Number range from=0 to=9223372036854775807
1	vemcmd dpa epg remove [<filename>]. Number range from=0 to=9223372036854775807

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemdebug set infra tagging 0|1
```

vemdebug set infra tagging 0|1

Description: vemdebug set infra tagging

Syntax:

tagging	vemdebug set infra tagging

0	vemcmd dpa epg remove [<filename>]. Number range from=0 to=9223372036854775807
1	vemcmd dpa epg remove [<filename>]. Number range from=0 to=9223372036854775807

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemdebug set infra tagging 0|1
```

vemsend

vemsend <vemsend_str>

Description: vemsend <command>

Syntax:

<vemsend_str>	vemsend AVS command

Command Mode: attach-ave : Execute remote cli on AVE Device

Command Path:

```
# attach-ave <OpflexDevid>
(exec-ave)# vemsend <vemsend_str>
```

vemsend <vemsend_str>

Description: vemsend <command>

Syntax:

<vemsend_str>	vemsend AVS command

Command Mode: attach-ave-ng : Execute remote cli on AVE NG Device

Command Path:

```
# attach-ave-ng <OpflexDevid>
(exec-ave-ng)# vemsend <vemsend_str>
```

vemsend <vemsend_str>

Description: vemsend <command>

Syntax:

<vemsend_str>	vemsend AVS command

Command Mode: attach-avs : Execute remote cli on an Opflex Device

Command Path:

```
# attach-avs <OpflexDevid>
(exec-avs)# vemsend <vemsend_str>
```

version

version <WORD>

Description: Configure the Resource Pool version

Syntax:

WORD	classic/normalized

Command Mode: l4l7 resource-pool : Configure L4-L7 Service Resource Pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# version <WORD>
```

version <versionNo>

Description: Configure version

Syntax:

versionNo	versionNo

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# version <versionNo>
```

version <versionNo>

Description: Configure version

Syntax:

versionNo	versionNo

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-exporter)# version <versionNo>
```

version <versionNo>

Description: Configure version

Syntax:

versionNo	versionNo

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# version <versionNo>
```

virtual-interface-profile

virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out <l3out>]

Description: Configure virtual interface profile

Syntax:

vlan	virtual-interface-profile vlan
<1-4094>	Vlan interface number
tenant	Tenant
WORD	Tenant name
vrf	Virtual Routing and Forwarding instance
WORD	VRF name
l3out	(Optional) Configure virtual interface profile in API created l3out

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out <l3out>]

Description: Configure virtual interface profile

Syntax:

vlan	virtual-interface-profile vlan
<1-4094>	Vlan interface number
tenant	Tenant
WORD	Tenant name
vrf	Virtual Routing and Forwarding instance
WORD	VRF name
l3out	(Optional) Configure virtual interface profile in API created l3out

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
```

virtual-static-endpoint

virtual-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE [ip <A.B.C.D>]

Description: Configure Virtual Static Endpoint under Epg

Syntax:

mac	MAC address
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
A.B.C.D	(Optional) IP address in format i.i.i.i

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# virtual-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE [ip <A.B.C.D>]
```

visore-access-enable

visore-access-enable

Description: Enable HTTP visore access

Command Mode: http : HTTP communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# visore-access-enable
```

visore-access-enable

Description: Enable HTTPS visore access

Command Mode: https : HTTPS communication policy group

Command Path:

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# visore-access-enable
```

vlan-domain

vlan-domain <name> [dynamic] [type <domain-type>]

Description: Configure vlan domain

Syntax:

name	Vlan domain name (Max Size 64)
dynamic	(Optional) Create dynamic namespace(default is static)
<domain-type>	(Optional) Vlan domain type

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vlan-domain <name> [dynamic] [type <domain-type>]
```

vlan-domain member <WORD> [type <arg>]

Description: Attach VMware Domain to a VLAN Domain

Syntax:

member	Bind VMware domain to vlan domain
WORD	VLAN Domain name
arg	(Optional) Vlan domain type

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Attach Microsoft Domain to a VLAN Domain

Syntax:

member	Bind Microsoft domain to vlan domain
WORD	VLAN Domain name
arg	(Optional) Vlan domain type

Command Mode: microsoft-domain : Create a VMM Microsoft Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# microsoft-domain <WORD> [delimiter <WORD>]
(config-microsoft)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Attach Rhev Domain to a VLAN Domain

Syntax:

member	Bind Rhev domain to vlan domain
WORD	VLAN Domain name
arg	(Optional) Vlan domain type

Command Mode: rhev-domain : Create a VMM Redhat Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# rhev-domain <WORD> [delimiter <WORD>]
(config-redhat)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
WORD	Vlan domain name (Max Size 64)
arg	(Optional)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member

WORD	Vlan domain name (Max Size 64)
arg	(Optional)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
WORD	Vlan domain name (Max Size 64)
arg	(Optional)

Command Mode: template spine-interface-policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template spine-interface-policy-group <WORD>
(config-spine-if-pol-grp)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
WORD	Vlan domain name (Max Size 64)
arg	(Optional)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
WORD	Vlan domain name (Max Size 64)
arg	(Optional)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <arg>

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
arg	

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# vlan-domain member <>
```

vlan-domain member <WORD> [type <arg>]

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
WORD	Vlan domain name (Max Size 64)
arg	(Optional)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
WORD	Vlan domain name (Max Size 64)
arg	(Optional)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <arg>

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
arg	

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# vlan-domain member <>
```

vlan-domain member <WORD> [type <arg>]

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
WORD	Vlan domain name (Max Size 64)

arg	(Optional)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# vlan-domain member <WORD> [type <>]
```

vlan-pool

vlan-pool <pool-name>

Description: Assign vlan-pool to vlan-domain

Syntax:

pool-name	Vlan-pool name (Max Size 64)

Command Mode: vlan-domain : Configure vlan domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vlan-domain <name> [dynamic] [type <domain-type>]
(config-vlan)# vlan-pool <pool-name>
```

vlan-range

vlan-range <vlan-range>

Description: Configure VLAN ranges on trunk

Syntax:

<vlan-range>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode: trunk-portgroup : Configure a trunk port group in the VMWare domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# trunk-portgroup <>
(config-vmware-trunk)# vlan-range <vlan-range>
```

vlan

vlan <vlan-range> [dynamic] [internal]

Description: Add VLANs to vlan-domain

Syntax:

<vlan-range>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
dynamic	(Optional) Vlan allocation dynamically managed by APIC(default is static)
internal	(Optional) Vlan encap block role dynamically managed by APIC(default is external)

Command Mode: vlan-domain : Configure vlan domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vlan-domain <name> [dynamic] [type <domain-type>]
(config-vlan)# vlan <vlan-range> [dynamic] [internal]
```

vlan <vlan-range>

Description: Add VLANs to vlan-domain

Syntax:

<vlan-range>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode: vsan-domain : Configure vsan domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vsan-domain <name>
(config-vsan)# vlan <vlan-range>
```

vlan <1-4094>

Description: Vlan encap for the Power Device

Syntax:

<1-4094>	Configure Vlan ID

Command Mode: switchport power-over-ethernet : Power Over Ethernet configuration

Command Path:

```
# configure [['terminal', 't']]
```

```
(config)# template policy-group <WORD>
(config-pol-grp-if)# switchport power-over-ethernet <WORD>
(config-power-over-ethernet)# vlan <1-4094>
```

vlan <1-4094>

Description: Configure Vlan for inband epg Controller inband ports

Syntax:

<1-4094>	Vlan interface number

Command Mode: inband-mgmt : Enter Inside In-band management mode to modify inband properties or create new inband

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inband-mgmt epg <WORD>
(config-inb-epg)# vlan <1-4094>
```

vlan <1-4094>

Description: Configure Vlan for APIC Inband Port

Syntax:

<1-4094>	Vlan interface number

Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# vlan <1-4094>
```

vmm-domain

vmm-domain <vmm-domain> floating-addr <A.B.C.D/LEN>

Description: Configure vmm domain

Syntax:

vmm-domain	Select vmm-domain
floating-addr	floating-address
A.B.C.D/LEN	IPv4/IPv6 prefix and network mask length in format x.x.x.x/m

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# vmm-domain <vmm-domain> floating-addr <A.B.C.D/LEN>
```

vmm-domain <vmm-domain> floating-addr <A.B.C.D/LEN>

Description: Configure vmm domain

Syntax:

vmm-domain	Select vmm-domain
floating-addr	floating-address
A.B.C.D/LEN	IPv4/IPv6 prefix and network mask length in format x.x.x.x/m

Command Mode: virtual-interface-profile : Configure virtual interface profile

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# virtual-interface-profile vlan <1-4094> tenant <WORD> vrf <WORD> [l3out
<l3out>]
(virtual-interface-profile)# vmm-domain <vmm-domain> floating-addr <A.B.C.D/LEN>
```

vmware-domain

vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>] [number-of-uplinks <number-of-uplinks>]

Description: Create a VMM VMWare Domain

Syntax:

WORD	VMM VMware Domain name
WORD	(Optional) Custom Delimiter
access-mode	(Optional) VMM VMware Domain Access Mode
number-of-uplinks	(Optional) VMM VMware Domain Number of Uplinks

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
```

vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>] [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>] [untagged-access-pg] [delimiter <WORD>]

Description: Associate EPG to a VMWare Domain

Syntax:

member	Bind the EPG to a VMware domain
WORD	VMware Domain Name
WORD	(Optional) Enforce encap value. Secondary encap when EPG is isolated (For example vlan-10 or auto)
WORD	(Optional) Primary encap when EPG is isolated (For example vlan-11 or auto)
allow-micro-segmentation	(Optional) allow-micro-segmentation
WORD	(Optional) Deployment mode
WORD	(Optional) Push mode
staticBinding	(Optional) Binding Type
dynamicBinding	(Optional) Binding Type

ephemeral	(Optional) Binding Type
fixed	(Optional) Port Allocation
elastic	(Optional) Port Allocation
WORD	(Optional) Number of ports
untagged-access-pg	(Optional) Enable Untagged Access PG creation
WORD	(Optional) Custom Delimiter

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
 [untagged-access-pg] [delimiter <WORD>]
```

vnic

vnic <vnic-name>

Description: Configure Virtual NIC as Cluster Member Interface

Syntax:

<vnic-name>	Name of VNIC of virtual cluster device.

Command Mode: member : Configure Cluster Interface Member

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
(config-cluster)# cluster-interface <WORD> [vlan <NUMBER>]
(config-cluster-interface)# member device <WORD> device-interface <WORD>
(config-member)# vnic <vnic-name>
```

vpc context

vpc context leaf <101-4000> <101-4000> [fex <fex>]

Description: Enter vpc context

Syntax:

leaf	Provide leaf details
<101-4000>	Id or Name of Leaf1
<101-4000>	Id or Name of Leaf2
fex	(Optional) Fex Id. Number range from=101 to=199

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
```

vpc domain consecutive

vpc domain consecutive

Description: Pair all discovered leaves consecutively e.g. 101-102, 103-104

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc domain consecutive
```

vpc domain explicit

vpc domain explicit <NUMBER> leaf <101-4000> <101-4000>

Description: Pair two leaf nodes explicitly

Syntax:

<1-1000>	Domain Id. Number range from=1 to=1000
leaf	Pair two leaf nodes
<101-4000>	First leaf member of the Pair
<101-4000>	Second leaf member of the Pair

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc domain explicit <NUMBER> leaf <101-4000> <101-4000>
```

vpc domain reciprocal

vpc domain reciprocal

Description: Pair all discovered leaves reciprocally e.g. 101-103, 102-104

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc domain reciprocal
```

vrf-blacklist-mode

vrf-blacklist-mode

Description: Forwarding model for EPG (whitelist vs blacklist)

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vrf-blacklist-mode
```

vrf

vrf context <WORD>

Description: Configuration for vrf

Syntax:

context	VRF name
WORD	VRF name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
```

vrf member <WORD>

Description: Configure VRF parameters

Syntax:

member	Set L3Out's VRF membership
WORD	VRF name

Command Mode: l3out : Configuration for L3Out

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# vrf member <WORD>
```

vrf member <WORD>

Description: Associate the bridge-domain with a VRF

Syntax:

member	Associate the bridge-domain with a VRF
WORD	VRF name to associated (Max Size 64)

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# vrf member <WORD>
```

vrf member <WORD>

Description: Configure VRF parameters

Syntax:

member	Set interface's VRF membership
WORD	VRF name

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# vrf member <WORD>
```

vrf member tenant <WORD> vrf <WORD>

Description: Configure VRF

Syntax:

member	member
tenant	Tenant Name
WORD	Tenant name (Max Size 63)
vrf	Vrf Name
WORD	VRF name (Max Size 64)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# vrf member tenant <WORD> vrf <WORD>
```

vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]

Description: Configure VRF parameters

Syntax:

context	Enable VRF and enter VRF mode
tenant	Tenant for the VRF
WORD	Tenant name
vrf	Virtual Routing and Forwarding instance
WORD	VRF name
l3out	(Optional) Configure VRF in API created l3out

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
```

vrf member tenant <WORD> vrf <WORD>

Description: Configure VRF parameters

Syntax:

member	Set interface's VRF membership
tenant	Tenant
WORD	Tenant name
vrf	Virtual Routing and Forwarding instance
WORD	VRF name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD> [l3out] WORD

Description: Configure VRF parameters

Syntax:

member	Set interface's VRF membership
tenant	Tenant

WORD	Tenant name
vrf	Virtual Routing and Forwarding instance
WORD	VRF name
l3out	(Optional) Enable VRF on one or more l3extOut
WORD	l3extOut Name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# vrf member tenant <WORD> vrf <WORD> [l3out] WORD
```

vrf member tenant <WORD> vrf <WORD> [l3out] WORD

Description: Configure VRF parameters

Syntax:

member	Set interface's VRF membership
tenant	Tenant
WORD	Tenant name
vrf	Virtual Routing and Forwarding instance
WORD	VRF name
l3out	(Optional) Enable VRF on one or more l3extOut
WORD	l3extOut Name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# vrf member tenant <WORD> vrf <WORD> [l3out] WORD
```

vrf member tenant <WORD> vrf <WORD>

Description: Configure VRF information

Syntax:

member	Set VRF membership

tenant	Tenant
WORD	Tenant name
vrf	VRF
WORD	VRF name

Command Mode: router eigrp : Enhanced Interior Gateway Routing Protocol (EIGRP)

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD>

Description: Associate Router OSPF Policy with Tenant/VRF

Syntax:

member	Set VRF membership
tenant	Tenant for the OSPF Policy
WORD	Tenant name
vrf	VRF
WORD	VRF name

Command Mode: router ospf : Open Shortest Path First (OSPF and OSPF Version3)

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD>

Description: Virtual Router Context

Syntax:

member	Set BGP's VRF membership
tenant	Tenant for the BGP Policy
WORD	Tenant Name (Max Size 63)
vrf	Virtual Routing and Forwarding instance

| *WORD* | VRF Name (Max Size 64) |

Command Mode: router bgp : Border Gateway Protocol (BGP)

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
```

vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]

Description: Configure VRF parameters

Syntax:

context	Enable VRF and enter VRF mode
tenant	Tenant for the VRF
WORD	Tenant name
vrf	Virtual Routing and Forwarding instance
WORD	VRF name
l3out	(Optional) Configure VRF in API created l3out

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
```

vrf member tenant <WORD> vrf <WORD>

Description: Configure VRF parameters

Syntax:

member	Set interface's VRF membership
tenant	Tenant
WORD	Tenant name
vrf	Virtual Routing and Forwarding instance
WORD	VRF name

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD> [l3out] WORD

Description: Configure VRF parameters

Syntax:

member	Set interface's VRF membership
tenant	Tenant
WORD	Tenant name
vrf	Virtual Routing and Forwarding instance
WORD	VRF name
l3out	(Optional) Enable VRF on one or more l3extOut
WORD	l3extOut Name

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# vrf member tenant <WORD> vrf <WORD> [l3out] WORD
```

vrf member tenant <WORD> vrf <WORD> [l3out] WORD

Description: Configure VRF parameters

Syntax:

member	Set interface's VRF membership
tenant	Tenant
WORD	Tenant name
vrf	Virtual Routing and Forwarding instance
WORD	VRF name
l3out	(Optional) Enable VRF on one or more l3extOut
WORD	l3extOut Name

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# vrf member tenant <WORD> vrf <WORD> [l3out] WORD
```

vrf member tenant <WORD> vrf <WORD>

Description: Configure VRF information

Syntax:

member	Set VRF membership
tenant	Tenant
WORD	Tenant name
vrf	VRF
WORD	VRF name

Command Mode: router eigrp : Enhanced Interior Gateway Routing Protocol (EIGRP)

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD>

Description: Associate Router OSPF Policy with Tenant/VRF

Syntax:

member	Set VRF membership
tenant	Tenant for the OSPF Policy
WORD	Tenant name
vrf	VRF
WORD	VRF name

Command Mode: router ospf : Open Shortest Path First (OSPF and OSPF Version3)

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
```

```
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD>

Description: Virtual Router Context

Syntax:

member	Set BGP's VRF membership
tenant	Tenant for the BGP Policy
WORD	Tenant Name (Max Size 63)
vrf	Virtual Routing and Forwarding instance
WORD	VRF Name (Max Size 64)

Command Mode: router bgp : Border Gateway Protocol (BGP)

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD>

Description: Configure VRF

Syntax:

member	member
tenant	Tenant Name
WORD	Tenant name (Max Size 63)
vrf	Vrf Name
WORD	VRF name (Max Size 64)

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-exporter)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD>

Description: Configure VRF

Syntax:

member	member
tenant	Tenant Name
WORD	Tenant name (Max Size 63)
vrf	Vrf Name
WORD	VRF name (Max Size 64)

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# vrf member tenant <WORD> vrf <WORD>
```

vsan-domain

vsan-domain <name>

Description: Configure vsan domain

Syntax:

name	Vsan domain name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vsan-domain <name>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: template fc-policy-group : Configure FC Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-policy-group <WORD>
(config-fc-pol-grp-if)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: template fc-port-channel : Configure FC Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-port-channel <WORD>
(config-fc-po-ch-if)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: interface vfc : Virtual Fiber Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc <ifRange>
(config-leaf-if)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: interface vfc-po : VFC Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc-po <WORD> [fex <fex>]
(config-leaf-if)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: interface vfc : Virtual Fiber Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc <ifRange>
(config-leaf-if)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: interface vfc-po : VFC Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc-po <WORD> [fex <fex>]
(config-leaf-if)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: interface fc : FC Interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: interface fc-port-channel : FC Port Channel

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
(config-leaf-fc-pc)# vsan-domain member <WORD>
```

vsan-domain member <WORD>

Description: Associate Vsan Domain

Syntax:

member	Configure Vsan Domain Member
WORD	Vsan domain name (Max Size 64)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# vsan-domain member <WORD>
```

vsan

vsan <vsan-range>

Description: Add VSANs to vsan-domain

Syntax:

<vsan-range>	VSAN ID 1-4093 or range(s): 1-5, 10 or 2-5,7-19

Command Mode: vsan-domain : Configure vsan domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vsan-domain <name>
(config-vsan)# vsan <vsan-range>
```

vxlan

vxlan multicast-pool <ip-range>

Description: Configure VXLAN multicast pool.

Syntax:

multicast-pool	multicast pool
<ip-range>	Multicast IP range

Command Mode: configure-avs : Configure a VMWare Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# vxlan multicast-pool <ip-range>
```

vxlan multicast-pool <ip-range>

Description: Configure VXLAN multicast pool.

Syntax:

multicast-pool	multicast pool
<ip-range>	Multicast IP range

Command Mode: configure-ave : Configure a Cisco AVE domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# vxlan multicast-pool <ip-range>
```

W Commands

webtoken-timeout-seconds

webtoken-timeout-seconds <NUMBER>

Description: Set The web token timeout interval

Syntax:

<300-9600>	Set The web token timeout interval. Number range from=300 to=9600

Command Mode: crypto webtoken : The cryptographic data used for generating and verifying web tokens.

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto webtoken
(config-webtoken)# webtoken-timeout-seconds <NUMBER>
```

weight

weight <weightValue>

Description: Set WRED Probability

Syntax:

weightValue	Set WRED Weight. Number range from=0 to=7

Command Mode: algo : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# algo wred|tail-drop
(config-qos-algo)# weight <weightValue>
```

weight <NUMBER>

Description: Weight attribute that is local to a router.

Syntax:

<0-65535>	Assigns a weight to all routes learned through the neighbor. Number range from=0 to=65535

Command Mode: address-family : Configure an address-family for peer

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# address-family ipv4|ipv6|l2vpn unicast|multicast|evpn
(config-leaf-bgp-vrf-neighbor-af)# weight <NUMBER>
```

weight <NUMBER>

Description: Weight attribute that is local to a router.

Syntax:

<0-65535>	Assigns a weight to all routes learned through the neighbor. Number range from=0 to=65535

Command Mode: address-family : Configure an address-family for peer

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# address-family ipv4|ipv6|l2vpn unicast|multicast|evpn
(config-leaf-bgp-vrf-neighbor-af)# weight <NUMBER>
```

where

where

Description: Show the current mode

Command Mode: exec : Exec Mode

Command Path:

```
# where
```

where detail

where detail

Description: Show detailed mode information

Command Mode: exec : Exec Mode

Command Path:

```
# where detail
```

whitelist-blacklist-mix

whitelist-blacklist-mix

Description: WhiteList/BlackList mode coexistance

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# whitelist-blacklist-mix
```

window-size

window-size <NUMBER>

Description: Configure the replay protection window size

Syntax:

<0-4294967295>	winddow size. Number range from=0 to=4294967295

Command Mode: template macsec access|fabric security-policy : Configure MAC security policy parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric security-policy <WORD>
(config-macsec-param)# window-size <NUMBER>
```

winservers

winservers <windows server ip>

Description: Add windows server

Syntax:

windows server ip	windows server ip

Command Mode: microsoft : Configure static IP pool

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# microsoft static-ip-pool <name> gateway <gwAddress>
(config-tenant-app-epg-ms-ip-pool)# winservers <windows server ip>
```

wwn

wwn

Description: WWN OUI configuration mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# wwn
```

Z Commands

- zone, on page 3006
- zones, on page 3007

zone

zone <WORD>

Description: Create zone policy

Syntax:

WORD	zone name (Max Size 64)

Command Mode: zones : Zones configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# zones
(config-zones)# zone <WORD>
```

zones

zones

Description: Zones configuration Mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# zones
```

zones