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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:

<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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:

<i>WORD</i>	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:

<i>E.E.E</i>	MAC address (Option 1)
--------------	------------------------

<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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:

<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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:

<i>WORD</i>	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:

<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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:

<i>WORD</i>	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:

<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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 <ipv4 or ipv6> 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:

<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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:

<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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:**

<i>WORD</i>	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:**

<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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:**

<i>WORD</i>	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:

<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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 <ipv4 or ipv6> 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:

<i>arg</i>	
------------	--

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:

<i>externalId</i>	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:

<i>integer-value</i>	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:

<i>WORD</i>	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|exp <WORD> <WORD> [set-class <WORD>] [set-dscp <WORD>] [set-cos <WORD>] [set-exp <WORD>]

Description: Add a rule to match DSCP or MPLS EXP, queue the traffic and optionally mutate it

Syntax:

dscp	Mpls Egress Rule to match DSCP
exp	Mpls Ingress Rule to match EXP
<i>WORD</i>	From of DSCP or MPLS EXP range
<i>WORD</i>	To of DSCP or MPLS EXP range
<i>WORD</i>	(Optional) Set the QOS class for the traffic
<i>WORD</i>	(Optional) DSCP rewrite
<i>WORD</i>	(Optional) Dot1P rewrite
<i>WORD</i>	(Optional) MPLS EXP rewrite

Command Mode: policy-map type mpls qos : Mpls QOS policy type

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type mpls qos <WORD>
(config-tenant-pmap-mpls qos)# match dscp|exp <WORD> <WORD> [set-class <WORD>] [set-dscp
<WORD>] [set-cos <WORD>] [set-exp <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:

<i>arg</i>	
<i>tenant</i>	(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:

<i>arg</i>	
<i>tenant</i>	(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 or A:B::C:D/LEN>

Description: ESg configuration mode

Syntax:

<i>A.B.C.D/LEN or A:B::C:D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m or IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
------------------------------------	---

Command Mode: esg : ESg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# esg <WORD>
(config-tenant-app-esg)# match ip <A.B.C.D/LEN or A:B::C:D/LEN>
```

match ip <A.B.C.D/LEN> [shared]

Description: Add a subnet that identify hosts being part of the epg

Syntax:

<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 group prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 group prefix and network mask length
<i>A.B.C.D/LEN</i>	IPv4 Rendezvous point prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 group prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 group prefix and network mask length
<i>A.B.C.D/LEN</i>	IPv4 source prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 Rendezvous point prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 Rendezvous point prefix and network mask length
<i>A.B.C.D/LEN</i>	IPv4 group prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 Rendezvous point prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 Rendezvous point prefix and network mask length
<i>A.B.C.D/LEN</i>	IPv4 source prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 source prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 source prefix and network mask length
<i>A.B.C.D/LEN</i>	IPv4 group prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 source prefix and network mask length
<i>A.B.C.D/LEN</i>	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:

<i>A.B.C.D/LEN</i>	IPv4 source prefix and network mask length
<i>A.B.C.D/LEN</i>	IPv4 Rendezvous point prefix and network mask length
<i>A.B.C.D/LEN</i>	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/<0-128>

Description: Add a subnet that identify hosts being part of the epg

Syntax:

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:<0-128>
```

match ipv6 multicast group

match ipv6 multicast group <A:B::C:D/LEN>

Description: Multicast Group prefix

Syntax:

<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 group prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 group prefix and network mask length
<i>A:B::C:D/LEN</i>	IPv6 Rendezvous point prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 group prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 group prefix and network mask length
<i>A:B::C:D/LEN</i>	IPv6 source prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 Rendezvous point prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 Rendezvous point prefix and network mask length
<i>A:B::C:D/LEN</i>	IPv6 group prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 Rendezvous point prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 Rendezvous point prefix and network mask length
<i>A:B::C:D/LEN</i>	IPv6 source prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 source prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 source prefix and network mask length
<i>A:B::C:D/LEN</i>	IPv6 group prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 source prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>A:B::C:D/LEN</i>	IPv6 source prefix and network mask length
<i>A:B::C:D/LEN</i>	IPv6 Rendezvous point prefix and network mask length
<i>A:B::C:D/LEN</i>	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:

<i>WORD</i>	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:

<i>WORD</i>	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:

<i>WORD</i>	Entry Name (Max Size 64)
<i>tcpRules</i>	(Optional) TCP Flags as comma separated values like val1,val2,..valN
<i>arpOpc</i>	(Optional) ARP Opcodes
<i>applyToFrag</i>	(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
<i>icmpv4T</i>	(Optional) ICMP Type
<i>stateful</i>	(Optional) Stateful flag
<i>icmpv6T</i>	(Optional) ICMPv6 Type
<0-65535>	(Optional) L4 Source Port. Number range from=0 to=65535
<i>etherT</i>	(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:

<i>arg</i>	
<i>order</i>	(Optional) Relative order for the entry. Number range from=0 to=9
<i>deny</i>	(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:

<i>arg</i>	
<i>order</i>	(Optional) Relative order for the entry. Number range from=0 to=9
<i>deny</i>	(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:

<i><from>-[<to>] contained in <0-65535></i>	(Optional) TCP Source port Range
<i><from>-[<to>] contained in <0-65535></i>	(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:

<i><from>-[<to>] contained in <0-65535></i>	(Optional) UDP Source port Range
<i><from>-[<to>] contained in <0-65535></i>	(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 <4000-60000>

Description: Set max power wattage for interface

Syntax:

<4000-60000>	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 <4000-60000>
```

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
<i>TIME</i>	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
<i>TIME</i>	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:

<i>arg</i>	
<i>arg</i>	

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:

<i>arg</i>	
<i>arg</i>	

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|labeled-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|labeled-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:

<i>maxThresholdValue</i>	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>
```

mcast-allow

mcast-allow

Description: Enable multicasting for IP v4

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

Command Path:

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

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
<i>WORD</i>	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 Multiplication 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>
```

media-type

media-type auto|sfp-10g-tx

Description: Configure physical media type

Syntax:

auto	
sfp-10g-tx	

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

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# media-type auto|sfp-10g-tx
```

media-type auto|sfp-10g-tx

Description: Configure physical media type

Syntax:

auto	
sfp-10g-tx	

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

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# media-type auto|sfp-10g-tx
```

media-type auto|sfp-10g-tx

Description: Configure physical media type

Syntax:

auto	
sfp-10g-tx	

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)# media-type auto|sfp-10g-tx
```

media-type auto|sfp-10g-tx**Description:** Configure physical media type**Syntax:**

auto	
sfp-10g-tx	

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)# media-type auto|sfp-10g-tx
```

media-type auto|sfp-10g-tx**Description:** Configure physical media type**Syntax:**

auto	
sfp-10g-tx	

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)# media-type auto|sfp-10g-tx
```

media-type auto|sfp-10g-tx**Description:** Configure physical media type**Syntax:**

auto	
sfp-10g-tx	

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)# media-type auto|sfp-10g-tx
```

media-type auto|sfp-10g-tx

Description: Configure physical media type

Syntax:

auto	
sfp-10g-tx	

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)# media-type auto|sfp-10g-tx
```

media-type auto|sfp-10g-tx

Description: Configure physical media type

Syntax:

auto	r
sfp-10g-tx	

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)# media-type auto|sfp-10g-tx
```

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)# 1417 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 alert|critical|debug|emergency|error|info|notice|warning

Description: Configure the urgency of the message

Syntax:

alert	Alert
critical	Critical
debug	Debug
emergency	Emergency
error	Error
info	Info
notice	Notice
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
alert|critical|debug|emergency|error|info|notice|warning
```

message-level alert|critical|debug|emergency|error|info|notice|warning

Description: Configure the urgency of the message

Syntax:

alert	Alert
critical	Critical
debug	Debug
emergency	Emergency
error	Error
info	Info
notice	Notice

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
alert|critical|debug|emergency|error|info|notice|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:

<i>WORD</i>	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:

<i>arg</i>	
------------	--

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:

<i>arg</i>	
------------	--

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
<i>WORD</i>	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:

<i>WORD</i>	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:

<i>arg</i>	
------------	--

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:

<i>arg</i>	
------------	--

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:

<i>WORD</i>	VMM Microsoft Domain name
<i>WORD</i>	(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
<i>WORD</i>	Microsoft Domain Name
<i>WORD</i>	(Optional) Enforce encap value. Secondary encap when EPG is isolated (For example vlan-10 or auto)
<i>WORD</i>	(Optional) Primary encap when EPG is isolated (For example vlan-11 or auto)
<i>WORD</i>	(Optional) Deployment mode
<i>WORD</i>	(Optional) Push mode
<i>WORD</i>	(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
<i>name</i>	enter the name of the static IP pool
gateway	Configure gateway address on interface
<i>gwAddress</i>	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 BFD MIN-RX value in milliseconds

Syntax:

<interval>	BFD interval. Number range from=250 to=999
------------	--

Command Mode: template bfd-multihop : BFD MultiHop group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd-multihop ip|ipv6 <WORD>
(config-bfdmh)# 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:**

<i><interval></i>	Minimum Rx Interval. Number range from=250 to=999
-------------------------	---

Command Mode: template bfd-multihop : Configure BFD MultiHop Interface Policy Templates**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd-multihop <WORD> tenant <WORD>
(config-template-bfdmh-pol)# min-rx <NUMBER>
```

min-rx <NUMBER>**Description:** Configure required Minimum Rx Interval in milliseconds**Syntax:**

<i><interval></i>	Minimum Rx Interval. Number range from=250 to=999
-------------------------	---

Command Mode: template bfd-multihop-node-policy : Configure BFD MultiHop Node Policy Templates**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd-multihop-node-policy <WORD> tenant <WORD>
(config-template-bfdmh-node-pol)# min-rx <NUMBER>
```

min-rx <NUMBER>**Description:** Configure required Minimum Rx Interval in milliseconds**Syntax:**

<i><interval></i>	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-rx <NUMBER>**Description:** Configure required Minimum Rx Interval in milliseconds**Syntax:**

<i><interval></i>	Minimum Rx Interval. Number range from=250 to=999
-------------------------	---

Command Mode: template bfd-multihop : Configure BFD MultiHop Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd-multihop <WORD> tenant <WORD>
(config-template-bfdmh-pol)# min-rx <NUMBER>
```

min-rx <NUMBER>

Description: Configure required Minimum Rx Interval in milliseconds

Syntax:

<i><interval></i>	Minimum Rx Interval. Number range from=250 to=999
-------------------------	---

Command Mode: template bfd-multihop-node-policy : Configure BFD MultiHop Node Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd-multihop-node-policy <WORD> tenant <WORD>
(config-template-bfdmh-node-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 BFD MIN-TX value in milliseconds

Syntax:

<interval>	BFD interval. Number range from=250 to=999
------------	--

Command Mode: template bfd-multihop : BFD MultiHop group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd-multihop ip|ipv6 <WORD>
(config-bfdmh)# 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:**

<i><interval></i>	Minimum Tx Interval. Number range from=250 to=999
-------------------------	---

Command Mode: template bfd-multihop : Configure BFD MultiHop Interface Policy Templates**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd-multihop <WORD> tenant <WORD>
(config-template-bfdmh-pol)# min-tx <NUMBER>
```

min-tx <NUMBER>**Description:** Configure required Minimum Tx Interval in milliseconds**Syntax:**

<i><interval></i>	Minimum Tx Interval. Number range from=250 to=999
-------------------------	---

Command Mode: template bfd-multihop-node-policy : Configure BFD MultiHop Node Policy Templates**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd-multihop-node-policy <WORD> tenant <WORD>
(config-template-bfdmh-node-pol)# min-tx <NUMBER>
```

min-tx <NUMBER>**Description:** Configure required Minimum Tx Interval in milliseconds**Syntax:**

<i><interval></i>	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-tx <NUMBER>**Description:** Configure required Minimum Tx Interval in milliseconds**Syntax:**

<i><interval></i>	Minimum Tx Interval. Number range from=250 to=999
-------------------------	---

Command Mode: template bfd-multihop : Configure BFD MultiHop Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd-multihop <WORD> tenant <WORD>
(config-template-bfdmh-pol)# min-tx <NUMBER>
```

min-tx <NUMBER>

Description: Configure required Minimum Tx Interval in milliseconds

Syntax:

<i><interval></i>	Minimum Tx Interval. Number range from=250 to=999
-------------------------	---

Command Mode: template bfd-multihop-node-policy : Configure BFD MultiHop Node Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd-multihop-node-policy <WORD> tenant <WORD>
(config-template-bfdmh-node-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:

<i>minThresholdValue</i>	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-multicast

mode-multicast [srcipAddress <A1.B1.C1.D1,...,An.Bn.Cn.Dn>]

Description: L3Out in multicast mode

Syntax:

<i>A1.B1.C1.D1,...,An.Bn.Cn.Dn</i>	(Optional) List of IP addresses in format i.i.i.i
------------------------------------	---

Command Mode: ptp : Attach ptp profile to L3Out

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# nodeprofile <>
(config-l3nodep)# interfaceprofile <>
(config-lenodep-l3interf)# ptp profile <> node <> interface <>
(config-l3interf-ptp)# mode-multicast [srcipAddress <A1.B1.C1.D1,...,An.Bn.Cn.Dn>]
```

mode-multicast [srcipAddress <A1.B1.C1.D1,...,An.Bn.Cn.Dn>]

Description: Epg in multicast mode

Syntax:

<i>A1.B1.C1.D1,...,An.Bn.Cn.Dn</i>	(Optional) List of IP addresses in format i.i.i.i
------------------------------------	---

Command Mode: ptp : Attach ptp profile to EPG

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ptp profile <> <type> [node-id <node-id>] [interface <interface>]
[vpc-name <vpc-name>]
(config-tenant-app-ptp)# mode-multicast [srcipAddress <A1.B1.C1.D1,...,An.Bn.Cn.Dn>]
```

mode-type

mode-type <mode-type>

Description: Set mode type for fast link failover policy

Syntax:

<i>mode-type</i>	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-unicast

mode-unicast master|slave srcipAddress <x.x.x.x>

Description: L3Out in unicast mode

Syntax:

master	L3Out in unicast master mode
slave	L3Out in unicast slave mode
srcipAddress	Source ip address
x.x.x.x	Source IP address

Command Mode: ptp : Attach ptp profile to L3Out

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# nodeprofile <>
(config-l3nodep)# interfaceprofile <>
(config-lenodep-l3interf)# ptp profile <> node <> interface <>
(config-l3interf-ptp)# mode-unicast master|slave srcipAddress <x.x.x.x>
```

mode-unicast master|slave srcipAddress <x.x.x.x>

Description: Epg in unicast mode

Syntax:

master	Epg1 in unicast master mode
slave	Epg in unicast slave mode
srcipAddress	Source ip address
x.x.x.x	Source IP address

Command Mode: ptp : Attach ptp profile to EPG

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ptp profile <> <type> [node-id <node-id>] [interface <interface>]
[vpc-name <vpc-name>]
(config-tenant-app-ptp)# mode-unicast master|slave srcipAddress <x.x.x.x>
```

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:

<i>power mode</i>	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
<i>WORD</i>	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
<i>WORD</i>	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: Configure filter groups

Syntax:

<i>WORD</i>	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: Configure monitor session for access interfaces

Syntax:

<i>session_name</i>	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: Configure monitor session for fabric interfaces

Syntax:

session	session
<i>session_name</i>	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: Configure monitor session for tenant EPGs

Syntax:

<i>tenant_name</i>	tenant name (Max Size 63)
session	session
<i>WORD</i>	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
<i>WORD</i>	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:

<i>username</i>	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:

<i>username</i>	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:

<i>username</i>	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:

<i>username</i>	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>
```

mpls-dataplane-loopback

mpls-dataplane-loopback address <A.B.C.D> sidoffset <NUMBER>

Description: MPLS Data Plane Loopback

Syntax:

address	Configure IPv4 Address without mask
<i>A.B.C.D</i>	IPv4 Address without mask
sidoffset	Configure SID offset for Loopback Address
<i><NUMBER></i>	SID offset

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)# mpls-dataplane-loopback address <A.B.C.D> sidoffset <NUMBER>
```

mpls-dataplane-loopback address <A.B.C.D> sidoffset <NUMBER>

Description: MPLS Data Plane Loopback

Syntax:

address	Configure IPv4 Address without mask
<i>A.B.C.D</i>	IPv4 Address without mask
sidoffset	Configure SID offset for Loopback Address
<i><NUMBER></i>	SID offset

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)# mpls-dataplane-loopback address <A.B.C.D> sidoffset <NUMBER>
```


mpls-disable

mpls-disable

Description: Multiprotocol Label Switching(MPLS)

Command Mode: router mpls : Multiprotocol Label Switching(MPLS)

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router mpls default
(config-mpls)# mpls-disable
```

mpls-disable

Description: Multiprotocol Label Switching(MPLS)

Command Mode: router mpls : Multiprotocol Label Switching(MPLS)

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router mpls default
(config-mpls)# mpls-disable
```

mpls-enable

mpls-enable

Description: Enable MPLS

Command Mode: l3out : Configuration for L3Out

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# mpls-enable
```

mpls-label-policy

mpls-label-policy <WORD>

Description: Configuration for MPLS Label Policy

Syntax:

<i>WORD</i>	Name of the MPLS Label Policy (Max Size 64)
-------------	---

Command Mode: tenant : Tenant configuration mode

Command Path:

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

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 <ipv4 or ipv6> 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 <ipv4 or ipv6> 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:**

<i>arg</i>	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:

<i>mtu</i>	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:

<i>mtu</i>	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:

<i>arg</i>	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:

<i>arg</i>	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:

<i>WORD</i>	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:

<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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:

<i>IP</i>	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:

<i>IP</i>	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 BFD MULTIPLIER value

Syntax:

<interval>	BFD interval. Number range from=1 to=50
------------	---

Command Mode: template bfd-multihop : BFD MultiHop group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd-multihop ip|ipv6 <WORD>
(config-bfdmh)# 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:**

<i><interval></i>	Detection multiplier. Number range from=1 to=50
-------------------------	---

Command Mode: template bfd-multihop : Configure BFD MultiHop Interface Policy Templates**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd-multihop <WORD> tenant <WORD>
(config-template-bfdmh-pol)# multiplier <NUMBER>
```

multiplier <NUMBER>**Description:** Configure detection multiplier**Syntax:**

<i><interval></i>	Detection multiplier. Number range from=1 to=50
-------------------------	---

Command Mode: template bfd-multihop-node-policy : Configure BFD MultiHop Node Policy Templates**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bfd-multihop-node-policy <WORD> tenant <WORD>
(config-template-bfdmh-node-pol)# multiplier <NUMBER>
```

multiplier <NUMBER>**Description:** Configure detection multiplier**Syntax:**

<i><interval></i>	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>
```

multiplier <NUMBER>**Description:** Configure detection multiplier**Syntax:**

<interval>	Detection multiplier. Number range from=1 to=50
------------	---

Command Mode: template bfd-multihop : Configure BFD MultiHop Interface Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd-multihop <WORD> tenant <WORD>
(config-template-bfdmh-pol)# multiplier <NUMBER>
```

multiplier <NUMBER>

Description: Configure detection multiplier

Syntax:

<interval>	Detection multiplier. Number range from=1 to=50
------------	---

Command Mode: template bfd-multihop-node-policy : Configure BFD MultiHop Node Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bfd-multihop-node-policy <WORD> tenant <WORD>
(config-template-bfdmh-node-pol)# multiplier <NUMBER>
```