M Commands

mac-address

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Add a custom MAC address to the bridgedomain

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# mac-address
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address <WORD>

Description: Configure Anycast MAC Address for L4-L7 Graph Connector

Syntax:

WORD	Enter MAC address for anycast (Max Size None)

Command Mode: subnet-ip : Configure Subnet IP for a L4-l7 Graph Connector.

Command Path:

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

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Manually set interface MAC address

Syntax:

E.E.E	MAC address (Option 1)

EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure mac Address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address <WORD>

Description: Virtual MAC address

Syntax:

WORD	MAC address(FORMAT:xxxx.xxxx.xxxx)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

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

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure mac Address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address <WORD>

Description: Virtual MAC address

Syntax:

WORD	MAC address(FORMAT:xxxx.xxxx.xxxx)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

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

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Manually set interface MAC address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface vlan : Vlan interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure mac Address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address <WORD>

Description: Virtual MAC address

Syntax:

WORD	MAC address(FORMAT:xxxx.xxxx.xxxx)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

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

mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure mac Address

Syntax:

E.E.E	MAC address (Option 1)

EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

mac-address <WORD>

Description: Virtual MAC address

Syntax:

WORD	MAC address(FORMAT:xxxx.xxxx.xxxx)

Command Mode: hsrp group : Configure HSRP Group

Command Path:

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

mac-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>]
(config-vmware)# trunk-portgroup <>
(config-vmware-trunk)# mac-changes accept
```

mac-learning

mac-learning <arg>

Description: enable/disable mac-learning on the qinq-tunnel

Syntax:

arg	

Command Mode: dot1q-tunnel : Tunnel configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# dot1q-tunnel <WORD>
(config-tenant-tunnel)#mac-learning <>
```

managed-config-check

managed-config-check

Description: Enable managed address configuration check in router advertisement guard policy

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# managed-config-check
```

managed-config-flag

managed-config-flag

Description: Set managed address configuration flag in router advertisement guard policy

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# managed-config-flag
```

managed-uplink-prof

managed-uplink-prof <externalId>

Description: Managed Uplink Profile

Syntax:

externalId	Managed Uplink Prof

Command Mode: integrations-mgr : Integrations Manager

Command Path:

```
# configure [['terminal', 't']]
(config)# integrations-group <WORD>
(config-integrations-group)# integrations-mgr <WORD> <type>
(config-integrations-mgr)# managed-uplink-prof <externalId>
```

management-epg

management-epg <WORD>

Description: Set the TACACS+ accounting mgmt epg

Syntax:

WORD	MgmtEndpoint

Command Mode: remote-dest : TACACS Accounting remote destination's DNS name or its IP address

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacslog-group <WORD>
(config-tacacslog-group)# remote-dest <A.B.C.D|A:B::C:D|WORD> port <port>
(config-remote-dest)# management-epg <WORD>
```

master

master [stratum <NUMBER>]

Description: Master Mode for NTP Server

Syntax:

<1-14>	(Optional) Time in seconds. Number range from=1 to=14

Command Mode: ntp : Configure the default ntp policy

Command Path:

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

master [stratum <NUMBER>]

Description: Master Mode for NTP Server

Syntax:

<1-14>	(Optional) Time in seconds. Number range from=1 to=14

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

Command Path:

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

match-precedence

match-precedence <integer-value>

Description: Configure User Precedence

Syntax:

integer-value	Configure User Precedence

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# match-precedence <integer-value>
```

match

match <WORD>

Description: Set match protocol

Syntax:

WORD	Policer Mode

Command Mode: policy-protocol : Create policy protocol

Command Path:

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

match dscp|dot1p <WORD> <WORD> [set-class <WORD>] [set-dscp <WORD>] [set-cos <WORD>]

Description: Add a rule to match DSCP or DOT1P, queue the traffic and optionally mutate it

Syntax:

dscp	Match entry for DSCP
dot1p	Match entry for DOT1P
WORD	From of DSCP or DOT1P range
WORD	To of DSCP or DOT1P range
WORD	(Optional) Set the QOS class for the traffic
WORD	(Optional) DSCP rewrite
WORD	(Optional) Dot1P rewrite

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

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# policy-map type qos <WORD>
(config-tenant-pmap-qos)# match dscp|dot1p <WORD> <WORD> [set-class <WORD>] [set-dscp <WORD>]
 [set-cos <WORD>]
```

match <arg>

Description: Configure match

Syntax:

arg	

Command Mode: flow record : Configure Netflow Record

Command Path:

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

match <arg>

Description: Configure match

Syntax:

arg	

Command Mode: flow record : Configure Netflow Record

Command Path:

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

match arp

match arp

Description: Match the ARP traffic

Command Mode: access-list : Create access-list

Command Path:

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

match bridge-domain

match bridge-domain <arg> [tenant <tenant>]

Description: Match subnets of a bridge-domain

Syntax:

arg	
tenant	(Optional) Tenant name

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

Command Path:

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

match bridge-domain <arg> [tenant <tenant>]

Description: Match subnets of a bridge-domain

Syntax:

arg	
tenant	(Optional) Tenant name

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

Command Path:

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

match dscp

match dscp <0-64>

Description: Match DSCP traffic

Syntax:

<0-64>	DSCP Value

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match dscp <0-64>
```

match icmp

match icmp

Description: Match the ICMP traffic

Command Mode: access-list : Create access-list

Command Path:

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

match ip

match ip

Description: Match the IP traffic

Command Mode: access-list : Create access-list

Command Path:

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

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

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

Syntax:

A.B.C.D/LEN	IP prefix and network mask length
shared	(Optional) Add the shared scope to the existing scope for the subnet

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

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# match ip <A.B.C.D/LEN> [shared]
```

match ip multicast group

match ip multicast group <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast group <A.B.C.D/LEN>
```

match ip multicast group rp

match ip multicast group <A.B.C.D/LEN> rp <A.B.C.D/LEN>

Description: Rendezvous point prefix

Syntax:

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

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast group <A.B.C.D/LEN> rp <A.B.C.D/LEN>
```

match ip multicast group rp source

match ip multicast group <A.B.C.D/LEN> rp <A.B.C.D/LEN> source <A.B.C.D/LEN>

Description: source prefix

Syntax:

A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast group <A.B.C.D/LEN> rp <A.B.C.D/LEN> source
<A.B.C.D/LEN>
```

match ip multicast group source

match ip multicast group <A.B.C.D/LEN> source <A.B.C.D/LEN>

Description: source prefix

Syntax:

A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast group <A.B.C.D/LEN> source <A.B.C.D/LEN>
```

match ip multicast group source rp

match ip multicast group <A.B.C.D/LEN> source <A.B.C.D/LEN> rp <A.B.C.D/LEN>

Description: Rendezvous point prefix

Syntax:

A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast group <A.B.C.D/LEN> source <A.B.C.D/LEN> rp
<A.B.C.D/LEN>
```

match ip multicast rp

match ip multicast rp <A.B.C.D/LEN>

Description: Rendezvous point prefix

Syntax:

A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast rp <A.B.C.D/LEN>
```

match ip multicast rp group

match ip multicast rp <A.B.C.D/LEN> group <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

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

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast rp <A.B.C.D/LEN> group <A.B.C.D/LEN>
```

match ip multicast rp group source

match ip multicast rp <A.B.C.D/LEN> group <A.B.C.D/LEN> source <A.B.C.D/LEN>

Description: source prefix

Syntax:

A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast rp <A.B.C.D/LEN> group <A.B.C.D/LEN> source
<A.B.C.D/LEN>
```

match ip multicast rp source

match ip multicast rp <A.B.C.D/LEN> source <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

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

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast rp <A.B.C.D/LEN> source <A.B.C.D/LEN>
```

match ip multicast rp source group

match ip multicast rp <A.B.C.D/LEN> source <A.B.C.D/LEN> group <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length
A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast rp <A.B.C.D/LEN> source <A.B.C.D/LEN> group
<A.B.C.D/LEN>
```

match ip multicast source

match ip multicast source <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 source prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast source <A.B.C.D/LEN>
```

match ip multicast source group

match ip multicast source <A.B.C.D/LEN> group <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast source <A.B.C.D/LEN> group <A.B.C.D/LEN>
```

match ip multicast source group rp

match ip multicast source <A.B.C.D/LEN> group <A.B.C.D/LEN> rp <A.B.C.D/LEN>

Description: Rendezvous point prefix

Syntax:

A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length
A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast source <A.B.C.D/LEN> group <A.B.C.D/LEN> rp
<A.B.C.D/LEN>
```

match ip multicast source rp

match ip multicast source <A.B.C.D/LEN> rp <A.B.C.D/LEN>

Description: Rendezvous point prefix

Syntax:

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

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast source <A.B.C.D/LEN> rp <A.B.C.D/LEN>
```

match ip multicast source rp group

match ip multicast source <A.B.C.D/LEN> rp <A.B.C.D/LEN> group <A.B.C.D/LEN>

Description: Multicast Group prefix

Syntax:

A.B.C.D/LEN	IPv4 source prefix and network mask length
A.B.C.D/LEN	IPv4 Rendezvous point prefix and network mask length
A.B.C.D/LEN	IPv4 group prefix and network mask length

Command Mode: route-map : Configure route-map

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing
route-map entry>
(config-tenant-rtmap)# match ip multicast source <A.B.C.D/LEN> rp <A.B.C.D/LEN> group
<A.B.C.D/LEN>
```

match ipv6

match ipv6 X:X:X:X::X/<0-128>

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

Syntax:

X:X:X:X::X/<0-128>	IPv6 prefix and network mask length

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

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# match ipv6 X:X:X:X::X/<0-128>
```

match prefix-list

match prefix-list <WORD> [deny]

Description: Match entries of a prefix-list

Syntax:

WORD	Name of prefix-list (Max Size 63)
deny	(Optional) Reject routes on match

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

Command Path:

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

match prefix-list <WORD> [deny]

Description: Match entries of a prefix-list

Syntax:

WORD	Name of prefix-list (Max Size 63)
deny	(Optional) Reject routes on match

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

Command Path:

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

match raw

match raw <WORD> [tcpRules <tcpRules>] [arpOpc <arpOpc>] [applyToFrag <applyToFrag>] [dToPort <NUMBER>] [prot <NUMBER>] [icmpv4T <icmpv4T>] [stateful <stateful>] [icmpv6T <icmpv6T>] [sToPort <NUMBER>] [etherT <etherT>] [sFromPort <NUMBER>] [dFromPort <NUMBER>] [matchDscp <0-64>]

Description: Specify a raw vzEntry

Syntax:

WORD	Entry Name (Max Size 64)
tcpRules	(Optional) TCP Flags as comma separated values like val1,val2,..valN
arpOpc	(Optional) ARP Opcodes
applyToFrag	(Optional) Apply to Fragment
<0-65535>	(Optional) L4 Destination Port. Number range from=0 to=65535
<0-255>	(Optional) IP Protocol. Number range from=0 to=255
icmpv4T	(Optional) ICMP Type
stateful	(Optional) Stateful flag
icmpv6T	(Optional) ICMPv6 Type
<0-65535>	(Optional) L4 Source Port. Number range from=0 to=65535
etherT	(Optional) Ethernet Type
<0-65535>	(Optional) L4 Source Port. Number range from=0 to=65535
<0-65535>	(Optional) L4 Destination Port. Number range from=0 to=65535
<0-64>	(Optional) DSCP Value

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match raw <WORD> [tcpRules <tcpRules>] [arpOpc <arpOpc>] [applyToFrag
 <applyToFrag>] [dToPort <NUMBER>] [prot <NUMBER>] [icmpv4T <icmpv4T>] [stateful <stateful>]
 [icmpv6T <icmpv6T>] [sToPort <NUMBER>] [etherT <etherT>] [sFromPort <NUMBER>] [dFromPort
<NUMBER>] [matchDscp <0-64>]
```

match route group

match route group <arg> [order <order>] [deny]

Description: Route group

Syntax:

arg	
order	(Optional) Relative order for the entry. Number range from=0 to=9
deny	(Optional) Reject routes on match

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

Command Path:

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

match route group <arg> [order <order>] [deny]

Description: Route group

Syntax:

arg	
order	(Optional) Relative order for the entry. Number range from=0 to=9
deny	(Optional) Reject routes on match

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

Command Path:

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

match tcp

match tcp [src <from>-[<to>] contained in <0-65535>] [dest <from>-[<to>] contained in <0-65535>]

Description: Match TCP traffic

Syntax:

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

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match tcp [src <from>-[<to>] contained in <0-65535>] [dest <from>-[<to>]
 contained in <0-65535>]
```

match udp

match udp [src <from>-[<to>] contained in <0-65535>] [dest <from>-[<to>] contained in <0-65535>]

Description: Match UDP traffic

Syntax:

<from>-[<to>] contained in <0-65535>	(Optional) UDP Source port Range
<from>-[<to>] contained in <0-65535>	(Optional) UDP Destination port Range

Command Mode: access-list : Create access-list

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# access-list <WORD>
(config-tenant-acl)# match udp [src <from>-[<to>] contained in <0-65535>] [dest <from>-[<to>]
 contained in <0-65535>]
```

max-lsa

max-lsa <NUMBER> <NUMBER> reject|restart|log

Description: Feature to limit the number of non-self-originated LSAs

Syntax:

<1-4294967295>	Set maximum number of non self-generated LSAs. Number range from=1 to=4294967295
<1-100>	Threshold value (%) at which to generate a warning message. Number range from=1 to=100
reject	Reject LSAs beyond the limit
restart	Restart the neighbor
log	log a warning

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

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# max-lsa <NUMBER> <NUMBER> reject|restart|log
```

max-lsa <NUMBER> <NUMBER> reject|restart|log

Description: Feature to limit the number of non-self-originated LSAs

Syntax:

<1-4294967295>	Set maximum number of non self-generated LSAs. Number range from=1 to=4294967295
<1-100>	Threshold value (%) at which to generate a warning message. Number range from=1 to=100
reject	Reject LSAs beyond the limit
restart	Restart the neighbor
log	log a warning

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

Command Path:

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

```
(config-vrf-policy)# max-lsa <NUMBER> <NUMBER> reject|restart|log
```

max-validity-period

max-validity-period <NUMBER>

Description: Set The maximum validity period for a webtoken

Syntax:

<4-24>	Set The maximum validity period for a webtoken. Number range from=4 to=24

Command Mode: crypto webtoken : The cryptographic data used for generating and verifying web tokens.

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto webtoken
(config-webtoken)# max-validity-period <NUMBER>
```

max

max <4000-30000>

Description: Set max power wattage for interface

Syntax:

<4000-30000>	Max power consumption in milliwatts

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

Command Path:

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

max concurrent

max concurrent nodes <NUMBER>

Description: Set the window maximum concurrent node limit

Syntax:

nodes	Maximum number of tasks that can be processed concurrently.
<0-65535>	Enter maximum number of concurrent nodes. 0 for unlimited. Number range from=0 to=65535

Command Mode: absolute : Absolute window configuration mode

Command Path:

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

max concurrent nodes <NUMBER>

Description: Set the window maximum concurrent node limit

Syntax:

nodes	Maximum number of tasks that can be processed concurrently.
<0-65535>	Enter maximum number of concurrent nodes. 0 for unlimited. Number range from=0 to=65535

Command Mode: recurring : Recurring window configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# recurring window <WORD>
(config-scheduler-recurring)# max concurrent nodes <NUMBER>
```

max running

max running time <TIME>

Description: Set the window maximum running time

Syntax:

time	Maximum running time
TIME	Enter the maximum running time in dd:hh:mm:ss. 0 for unlimited

Command Mode: absolute : Absolute window configuration mode

Command Path:

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

max running time <TIME>

Description: Set the window maximum running time

Syntax:

time	Maximum running time in milliseconds
TIME	Enter the maximum running time in dd:hh:mm:ss. 0 for unlimited

Command Mode: recurring : Recurring window configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# recurring window <WORD>
(config-scheduler-recurring)# max running time <TIME>
```

maxas-limit

maxas-limit <NUMBER>

Description: Configure BGP Maximum AS limit

Syntax:

<0-2000>	BGP Maximum AS limit. Number range from=0 to=2000

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# maxas-limit <NUMBER>
```

maxas-limit <NUMBER>

Description: Configure BGP Maximum AS limit

Syntax:

<0-2000>	BGP Maximum AS limit. Number range from=0 to=2000

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# maxas-limit <NUMBER>
```

maximum-hop-limit

maximum-hop-limit <NUMBER>

Description: Config maximum hop limit in router advertisement guard policy

Syntax:

<*hop-limit*>	Specify hop limit. Number range from=1 to=255

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# maximum-hop-limit <NUMBER>
```

maximum-paths

maximum-paths <NUMBER>

Description: Set the maximum ECMP for the OSPF protocol

Syntax:

<1-64>	Maximum paths. Number range from=1 to=64

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

Command Path:

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

maximum-paths <arg> <arg>

Description: Configure multipath for BGP paths

Syntax:

arg	
arg	

Command Mode: template bgp address-family : Configure Router BGP Address Family Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp address-family <WORD> tenant <WORD>
(config-bgp-af)# maximum-paths <> <>
```

maximum-paths <NUMBER>

Description: Set EIGRP Maximum Path Limit

Syntax:

<1-16>	Maximum Path Limit. Number range from=1 to=16

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp vrf-policy <WORD> tenant <WORD>
```

```
(config-template-eigrp-vrf-pol)# maximum-paths <NUMBER>
```

maximum-paths <NUMBER>

Description: Set EIGRP Maximum Path Limit

Syntax:

<1-16>	Maximum Path Limit. Number range from=1 to=16

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

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

maximum-paths <NUMBER>

Description: Set the maximum ECMP for the OSPF protocol

Syntax:

<1-64>	Maximum paths. Number range from=1 to=64

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

Command Path:

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

maximum-paths <arg> <arg>

Description: Configure multipath for BGP paths

Syntax:

arg	
arg	

Command Mode: template bgp address-family : Configure Router BGP Address Family Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template bgp address-family <WORD> tenant <WORD>
```

```
(config-bgp-af)# maximum-paths <> <>
```

maximum-paths <NUMBER>

Description: Set EIGRP Maximum Path Limit

Syntax:

<1-16>	Maximum Path Limit. Number range from=1 to=16

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# maximum-paths <NUMBER>
```

maximum-paths <NUMBER>

Description: Set EIGRP Maximum Path Limit

Syntax:

<1-16>	Maximum Path Limit. Number range from=1 to=16

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

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

maximum-prefix

maximum-prefix <NUMBER> [action <action>] [threshold <NUMBER>] [restart-time <NUMBER>]

Description: Maximum number of prefixes from this neighbor

Syntax:

<1-300000>	Max. prefix limit. Number range from=1 to=300000
<action>	(Optional) Action to be performed when the maximum prefix limit is reached
<1-100>	(Optional) The threshold % of the maximum number of prefixes before a warning is issued. Number range from=1 to=100
<1-65535>	(Optional) The period of time in minutes before restarting the peer when the prefix limit is reached. Number range from=1 to=65535

Command Mode: address-family : Configure an address-family for peer

Command Path:

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

maximum-prefix <NUMBER> [action <action>] [threshold <NUMBER>] [restart-time <NUMBER>]

Description: Maximum number of prefixes from this neighbor

Syntax:

<1-300000>	Max. prefix limit. Number range from=1 to=300000
<action>	(Optional) Action to be performed when the maximum prefix limit is reached
<1-100>	(Optional) The threshold % of the maximum number of prefixes before a warning is issued. Number range from=1 to=100
<1-65535>	(Optional) The period of time in minutes before restarting the peer when the prefix limit is reached. Number range from=1 to=65535

Command Mode: address-family : Configure an address-family for peer

Command Path:

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

maximum-router-preference

maximum-router-preference high|low|medium

Description: Config maximum router preference in router advertisement guard policy

Syntax:

high	Configure router preference as high
low	Configure router preference as low
medium	Configure router preference as medium

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# maximum-router-preference high|low|medium
```

maxthreshold

maxthreshold <maxThresholdValue>

Description: Set maximum threshold for WRED

Syntax:

maxThresholdValue	Set maximum threshold for WRED. Number range from=0 to=100

Command Mode: algo : Configure the global QOS policies

Command Path:

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

mcp

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

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

Command Path:

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

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

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

Command Path:

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

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

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

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: interface port-channel : Port Channel interface

Command Path:

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

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

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

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: interface port-channel : Port Channel interface

Command Path:

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

mcp enable

Description: Configure MCP interface parameters

Syntax:

enable	Configure MCP parameters

Command Mode: interface : Provide VPC Name

Command Path:

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

mcp action

mcp action port-disable

Description: Configure MCP Loop Protection Action

Syntax:

port-disable	Disable the port when MCP detects loop

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp action port-disable
```

mcp control pdu-per-vlan

mcp control pdu-per-vlan

Description: Configure MCP State Control To Pdu-per-vlan

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp control pdu-per-vlan
```

mcp description

mcp description <description>

Description: Update description for MCP policy

Syntax:

<description>	

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp description <description>
```

mcp enable

mcp enable key <WORD>

Description: Enable/Disable MCP Protocol

Syntax:

key	Configure MCP key
WORD	MCP key

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp enable key <WORD>
```

mcp factor

mcp factor <NUMBER>

Description: Configure MCP Loop Detection Factor

Syntax:

<1-255>	MCP Loop Detection Multipication Factor. Number range from=1 to=255

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp factor <NUMBER>
```

mcp init-delay

mcp init-delay <NUMBER>

Description: Configure MCP Loop Detection Init Delay Time

Syntax:

<0-1800>	MCP Loop Detection Init Delay Time. Number range from=0 to=1800

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp init-delay <NUMBER>
```

mcp transmit-frequency

mcp transmit-frequency <NUMBER> <NUMBER>

Description: Configure MCP Advertisement Transmit Frequency

Syntax:

<0-300>	MCP Advertisement Tx Frequency. Number range from=0 to=300
<0-999>	MCP Advertisement Tx Frequency Milliseconds. Number range from=0 to=999

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mcp transmit-frequency <NUMBER> <NUMBER>
```

member

member device <WORD> device-interface <WORD>

Description: Configure Cluster Interface Member

Syntax:

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

Command Mode: cluster-interface : Configure L4-L7 Cluster Interface

Command Path:

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

message-level

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

Description: Configure the urgency of the message

Syntax:

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

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# message-level
info|notice|emergency|alert|critical|error|debug|warning
```

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

Description: Configure the urgency of the message

Syntax:

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

warning	Warning

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# message-level
info|notice|emergency|alert|critical|error|debug|warning
```

message-size

message-size <NUMBER>

Description: Configure the size of the message

Syntax:

<*size*>	The size of the messages. Number range from=0 to=5000000

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# message-size <NUMBER>
```

message-size <NUMBER>

Description: Configure the size of the message

Syntax:

<*size*>	The size of the messages. Number range from=0 to=5000000

Command Mode: destination : Configure destination Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# message-size <NUMBER>
```

metric

metric version 64bit

Description: Set EIGRP Metric Style

Syntax:

version	Metric Style
64bit	wide metric

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# metric version 64bit
```

metric version 64bit

Description: Set EIGRP Metric Style

Syntax:

version	Metric Style
64bit	wide metric

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# metric version 64bit
```

metric version 64bit

Description: Set EIGRP Metric Style

Syntax:

version	Metric Style
64bit	wide metric

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# metric version 64bit
```

metric version 64bit

Description: Set EIGRP Metric Style

Syntax:

version	Metric Style
64bit	wide metric

Command Mode: address-family : EIGRP Policy Address Family

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# metric version 64bit
```

mgmt-connectivity-pref

mgmt-connectivity-pref inband|ooband

Description: Set Mgmt Connectivity Preference

Syntax:

inband	Set to inband
ooband	Set to outband

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# mgmt-connectivity-pref inband|ooband
```

mgmt-epg

mgmt-epg in-band|out-of-band <WORD>

Description: Select remote path management EPG

Syntax:

in-band	In-Band EPG
out-of-band	Out-of-Band EPG
WORD	Management EPG name

Command Mode: remote : Remote path configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# remote path <WORD>
(config-remote)# mgmt-epg in-band|out-of-band <WORD>
```

microsoft-domain

microsoft-domain <WORD> [delimiter <WORD>]

Description: Create a VMM Microsoft Domain

Syntax:

WORD	VMM Microsoft Domain name
WORD	(Optional) Custom Delimiter

Command Mode: configure : Configuration Mode

Command Path:

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

microsoft-domain member <WORD> [encap <WORD>] [primary-encap <WORD>] [deploy <WORD>] [push <WORD>] [delimiter <WORD>]

Description: Associate EPG to a Microsoft Domain

Syntax:

member	Bind the EPG to a Microsoft domain
WORD	Microsoft Domain Name
WORD	(Optional) Enforce encap value. Secondary encap when EPG is isolated (For example vlan-10 or auto)
WORD	(Optional) Primary encap when EPG is isolated (For example vlan-11 or auto)
WORD	(Optional) Deployment mode
WORD	(Optional) Push mode
WORD	(Optional) Custom Delimiter

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# microsoft-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
 [deploy <WORD>] [push <WORD>] [delimiter <WORD>]
```

microsoft

microsoft static-ip-pool <name> gateway <gwAddress>

Description: Configure static IP pool

Syntax:

static-ip-pool	Configure the static IP pool
name	enter the name of the static IP pool
gateway	Configure gateway address on interface
gwAddress	gwAddress

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# microsoft static-ip-pool <name> gateway <gwAddress>
```

millisecond

millisecond

Description: Include timestamp in Syslog Msg

Command Mode: logging : Logging server group configuration mode

Command Path:

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

min-rx

min-rx <NUMBER>

Description: Configure BFD MIN-RX value in milliseconds

Syntax:

<*interval*>	BFD interval. Number range from=50 to=999

Command Mode: template bfd : BFD group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd ip|ipv6 <WORD>
(config-bfd)# min-rx <NUMBER>
```

min-rx <NUMBER>

Description: Configure required Minimum Rx Interval in milliseconds

Syntax:

<*interval*>	Minimum Rx Interval. Number range from=50 to=999

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

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

min-rx <NUMBER>

Description: Configure required Minimum Rx Interval in milliseconds

Syntax:

<*interval*>	Minimum Rx Interval. Number range from=50 to=999

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

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

min-tx

min-tx <NUMBER>

Description: Configure BFD MIN-TX value in milliseconds

Syntax:

<*interval*>	BFD interval. Number range from=50 to=999

Command Mode: template bfd : BFD group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd ip|ipv6 <WORD>
(config-bfd)# min-tx <NUMBER>
```

min-tx <NUMBER>

Description: Configure required Minimum Tx Interval in milliseconds

Syntax:

<*interval*>	Minimum Tx Interval. Number range from=50 to=999

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

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

min-tx <NUMBER>

Description: Configure required Minimum Tx Interval in milliseconds

Syntax:

<*interval*>	Minimum Tx Interval. Number range from=50 to=999

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

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

min

min buffer <0-3>

Description: Set the minimum number of buffer of MTU size to be reserved

Syntax:

buffer	Number of minim buffers to reserve
<0-3>	Number of minim buffers to reserve

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# min buffer <0-3>
```

minimum-hop-limit

minimum-hop-limit <NUMBER>

Description: Config minimum hop limit in router advertisement guard policy

Syntax:

<*hop-limit*>	Specify hop limit. Number range from=1 to=255

Command Mode: router-advertisement-guard : Configuration for router advertisement guard policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
(config-tenant-fhs-raguard)# minimum-hop-limit <NUMBER>
```

minthreshold

minthreshold <minThresholdValue>

Description: Setting minimum threshold for WRED

Syntax:

minThresholdValue	Setting minimum threshold for WRED. Number range from=0 to=100

Command Mode: algo : Configure the global QOS policies

Command Path:

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

mode-type

mode-type <mode-type>

Description: Set mode type for fast link failover policy

Syntax:

mode-type	Mode Type

Command Mode: link-failover-policy : Configure Fast Link Failover policy

Command Path:

```
# configure [['terminal', 't']]
(config)# link-failover-policy <WORD>
(config-link-failover-policy)# mode-type <mode-type>
```

mode

mode active|passive

Description: Set Lag policy mode to be active/passive

Syntax:

active	Set Enhanced Lacp Mode to ACTIVE
passive	Set Enhanced Lacp mode to PASSIVE

Command Mode: enhancedlacp : Configure Enhanced LACP mode on DVS uplink ports

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
(config-vmware)# enhancedlacp <lag-policy-name>
(config-vmware-enhancedlacp)# mode active|passive
```

mode <power mode>

Description: Set mode

Syntax:

power mode	Power Mode

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

Command Path:

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

mode atomic|best-effort

Description: Snapshot import mode atomic|best-effort

Syntax:

atomic	Atomic mode
best-effort	Best Effort mode

Command Mode: snapshot import : Configuration import setup mode

Command Path:

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

```
(config)# snapshot import <WORD>
(config-import)# mode atomic|best-effort
```

mode None|Dom

Description: Configure Node Control Mode

Syntax:

None	Disable Dom (Digital Optical Monitoring)
Dom	Enable Dom (Digital Optical Monitoring

Command Mode: node-control : Create a Node Control Policy

Command Path:

```
# configure [['terminal', 't']]
(config)# node-control policy <WORD>
(config-node)# mode None|Dom
```

modulus

modulus <modulus>

Description: Set the length of the encryption keys

Syntax:

<*modulus*>	<modulus>

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

Command Path:

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

monitor

monitor virtual session <WORD>

Description: Configure a monitor session

Syntax:

virtual	virtual
session	session
WORD	session name (Max Size 64)

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

Command Path:

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

monitor virtual session <WORD>

Description: Configure a monitor session

Syntax:

virtual	virtual
session	session
WORD	session name (Max Size 64)

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

Command Path:

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

monitor access filter-group

monitor access filter-group <WORD>

Description: Configue filter groups

Syntax:

WORD	Filter group name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access filter-group <WORD>
```

monitor access session

monitor access session <session_name>

Description: Configue monitor session for access interfaces

Syntax:

session_name	session name (Max Size 59)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
```

monitor fabric

monitor fabric session <session_name>

Description: Configue monitor session for fabric interfaces

Syntax:

session	session
session_name	session name (Max Size 59)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
```

monitor tenant

monitor tenant <tenant_name> session <WORD>

Description: Configue monitor session for tenant EPGs

Syntax:

tenant_name	tenant name (Max Size 63)
session	session
WORD	session name (Max Size 59)

Command Mode: configure : Configuration Mode

Command Path:

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

monitor virtual

monitor virtual session <WORD>

Description: Configure monitor session for virtual switches

Syntax:

session	session
WORD	Session name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
```

monitoring-password

monitoring-password

Description: Password for the user to be used for server monitoring

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

Command Path:

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

monitoring-password

Description: Password for the user to be used for server monitoring

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

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

monitoring-password

Description: Password for the user to be used for server monitoring

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

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

monitoring-password

Description: Password for the user to be used for server monitoring

Command Mode: tacacs-server host : TACACS+ server's DNS name or its IP address

Command Path:

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

monitoring-user

monitoring-user <username>

Description: Username for the user to be used for server monitoring

Syntax:

username	Username for the user to be used for server monitoring

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

Command Path:

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

monitoring-user <username>

Description: Username for the user to be used for server monitoring

Syntax:

username	Username for the user to be used for server monitoring

Command Mode: radius-server host : RADIUS server's DNS name or its IP address

Command Path:

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

monitoring-user <username>

Description: Username for the user to be used for server monitoring

Syntax:

username	Username for the user to be used for server monitoring

Command Mode: rsa-server host : RSA server's DNS name or its IP address

Command Path:

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

monitoring-user <username>

Description: Username for the user to be used for server monitoring

Syntax:

username	Username for the user to be used for server monitoring

Command Mode: tacacs-server host : TACACS+ server's DNS name or its IP address

Command Path:

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

moquery

To display the properties of a managed object (MO), use the **moquery** command.

`moquery { --help | --host` *host-id* `| --port` *portname* `| --dn` *dn* `| --klass` *classname* `| --filter` *property* `| --attrs` *attributes* `| --output` *output* `| -user` *username* `| --options` *options* `}`

Syntax Description

--help or **-h**	Specifies an APIC host.
--host or **-i**	Specifies an APIC host.
host-id	The host name or IP address of an APIC.
--port or **-p**	Specifies a port for a REST interface.
portname	The REST interface port number.
--dn or **-d**	Specifies a distinguished name (DN) for a managed object (MO).
dn	The DN of an MO.
--klass or **-c**	Specifies a class name for the query.
classname	Specifies a class. You can enter multiple classes separated by commas.
--filter or **-f**	Specifies a property on which to filter MOs.
property	The property on which to filter MOs.
--attrs or **-a**	Specifies the attributes that the query displays.
attributes	The type of attributes to display. You can choose **config** (configuration attributes) or **all**. If config is selected, only configurable attributes are displayed. Unless the **table** output format is specified, the default is **all**.
--output or **-o**	Specifies a query output format.
output	The query output format. You can choose **json**, **xml**, **block**, or **table**.
--user or **-u**	Specifies a user name.
username	The user name.
--options or **-x**	Specifies query options.
options	The query options to enable. For more information, see Usage Guidelines.

Usage Guidelines

To use the **moquery** command, you must first invoke a bash shell by using the **bash** command in the APIC NX-OS style CLI. To return to the APIC CLI, use the **quit** command in the bash shell.

Using **--options** (or **-x**), you can specify query options as supported by the REST API. You can add multiple options statements to the command, using syntax such as the following:

```
-x [OPTIONS [OPTIONS ...]] [-x [OPTIONS [OPTIONS ...]]]
```

For example:

```
moquery -c firmwareCtrlrFwStatusCont -x query-target=subtree
target-subtree-class=firmwareCtrlrRunning
```

Example

The following example shows how to use the **moquery** command:

```
apic1# bash
admin@apic1:~> moquery --dn unallocencap-[uni/infra]
Total Objects shown: 1

# stp.UnAllocEncapCont
infraPKey    : uni/infra
allocSize    : 0
childAction  :
descr        :
dn           : unallocencap-[uni/infra]
lastAssigned : 8192
lcOwn        : local
modTs        : 2014-07-26T16:46:27.176+00:00
name         :
ownerKey     :
ownerTag     :
rn           : unallocencap-[uni/infra]
size         : 0
status       :

admin@apic1:~> exit
exit
apic1#
```

mtu-ignore

mtu-ignore

Description: Disable OSPF MTU mismatch detection

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

Command Path:

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

mtu-ignore

Description: Disable OSPF MTU mismatch detection

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

Command Path:

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

mtu

mtu <1500-9216>

Description: Set the MTU for this class of service

Syntax:

<1500-9216>	MTU value

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# mtu <1500-9216>
```

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: interface vlan : Vlan interface

Command Path:

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

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

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

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: interface port-channel : Port Channel interface

Command Path:

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

mtu <NUMBER>

Description: Set the interface Maximum Transmission Unit (MTU)

Syntax:

<576-9216>	Interface MTU. Number range from=576 to=9216

Command Mode: 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 <arg>

Description: Update MTU value in Netflow Node-policy

Syntax:

arg	Configure MTU value in Netflow Node-policy. Number range from=576 to=9216

Command Mode: flow node-policy : Configure Netflow Node Policy Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# flow node-policy <WORD>
(config-flow-node-pol)# mtu <>
```

mtu <mtu>

Description: MTU size

Syntax:

mtu	mtu value. Number range from=64 to=9216

Command Mode: destination tenant : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-access-dest)# mtu <mtu>
```

mtu <mtu>

Description: MTU size

Syntax:

mtu	mtu value. Number range from=64 to=9216

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-fabric-dest)# mtu <mtu>
```

mtu <arg>

Description: MTU size

Syntax:

arg	mtu value. Number range from=64 to=9216

Command Mode: destination : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-tenant-dest)# mtu <>
```

mtu <arg>

Description: Configure MTU size

Syntax:

arg	MTU value. Number range from=64 to=9216

Command Mode: destination destip : Configure monitor remote destination

Command Path:

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# destination destip <A.B.C.D>
(config-monitor-virtual-remote-dest)# mtu <>
```

multi-destination

multi-destination <WORD>

Description: Change behavior for multi destination flood

Syntax:

WORD	Unknown multicast MAC and Broadcast handling

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

Command Path:

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

multi-site-mac-address

multi-site-mac-address E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: Configure multi-site MAC address

Syntax:

E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)

Command Mode: interface : Configuration for interface bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# multi-site-mac-address
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

multicast-address

multicast-address <IP>

Description: Configure outgoing multicast IP address for VXLAN modes

Syntax:

IP	Multicast IP

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

Command Path:

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

multicast-address <IP>

Description: Configure outgoing multicast IP address for VXLAN modes

Syntax:

IP	Multicast IP

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

Command Path:

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

multiplier

multiplier <NUMBER>

Description: Configure BFD MULTIPLIER value

Syntax:

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

Command Mode: template bfd : BFD group of commands

Command Path:

```
# configure [['terminal', 't']]
(config)# template bfd ip|ipv6 <WORD>
(config-bfd)# multiplier <NUMBER>
```

multiplier <NUMBER>

Description: Configure detection multiplier

Syntax:

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

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

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

multiplier <NUMBER>

Description: Configure detection multiplier

Syntax:

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

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

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