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ebgp-multihop

ebgp-multihop <NUMBER>

Description: Specify multihop TTL for remote peer

Syntax:

<1-255>	EBGP TTL value. Number range from=1 to=255
---------	--

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

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

ebgp-multihop <NUMBER>

Description: Specify multihop TTL for remote peer

Syntax:

<1-255>	EBGP TTL value. Number range from=1 to=255
---------	--

Command Mode: neighbor : Configure a BGP neighbor

Command Path:

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

echo-address

echo-address <arg>

Description: Configure BFD ECHO-SRC-ADDRESS value

Syntax:

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

Command Mode: template bfd : BFD group of commands

Command Path:

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

echo-mode

echo-mode enable

Description: Enable Echo mode

Syntax:

enable	Enable Echo mode
--------	------------------

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

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

echo-mode enable

Description: Enable Echo mode

Syntax:

enable	Enable Echo mode
--------	------------------

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

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

echo-rx-interval

echo-rx-interval <NUMBER>

Description: Configure BFD ECHO-RX-INTERVAL value in milliseconds

Syntax:

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

Command Mode: template bfd : BFD group of commands

Command Path:

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

echo-rx-interval <NUMBER>

Description: Configure Echo Rx Interval in milliseconds

Syntax:

<interval>	Echo Rx Interval. Number range from=50 to=999
------------	---

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

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

echo-rx-interval <NUMBER>

Description: Configure Echo Rx Interval in milliseconds

Syntax:

<interval>	Echo Rx Interval. Number range from=50 to=999
------------	---

Command Mode: template bfd : Configure BFD Interface Policy Templates

Command Path:

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

ecn

ecn enabled|disabled

Description: Set Explicit congestion notification for WRED

Syntax:

enabled	Set Explicit congestion notification for WRED
disabled	Disable congestion notification for WRED

Command Mode: algo : Configure the global QOS policies

Command Path:

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

email-addr

email-addr <WORD>

Description: Configure the e-mail address

Syntax:

<i>WORD</i>	The email address (Max Size None)
-------------	-----------------------------------

Command Mode: destination : Configure destination Parameters

Command Path:

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

email-addr <WORD>

Description: Configure the e-mail address

Syntax:

<i>WORD</i>	The email address (Max Size None)
-------------	-----------------------------------

Command Mode: destination : Configure destination Parameters

Command Path:

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


email-contact

email-contact <WORD>

Description: The contact e-mail address

Syntax:

<i>WORD</i>	Contract e-mail address (Max Size 512)
-------------	--

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

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

email-contact <WORD>

Description: The contact e-mail address

Syntax:

<i>WORD</i>	Contract e-mail address (Max Size 512)
-------------	--

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

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

email

email <WORD>

Description: Set The email address of the locally-authenticated user.

Syntax:

<i>WORD</i>	email address of the locally-authenticated user
-------------	---

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

Command Path:

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

email <WORD>

Description: Set The email address of the organization contact person.

Syntax:

< <i>WORD</i> >	email address (Max Size 40)
-----------------	-----------------------------

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

Command Path:

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

enable-bfd

enable-bfd

Description: Enable Bidirectional Forwarding Detection(BFD) protocol

Command Mode: template hsrp interface-policy : Configure HSRP Interface policy templates

Command Path:

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

enable-bfd

Description: Enable Bidirectional Forwarding Detection(BFD) protocol

Command Mode: template hsrp interface-policy : Configure HSRP Interface policy templates

Command Path:

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

enable-ssl

enable-ssl

Description: Enabling an SSL connection with the LDAP provider

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

Command Path:

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

enable-throttle

enable-throttle

Description: Enable HTTP AAA Login/Refresh throttling

Command Mode: http : HTTP communication policy group

Command Path:

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

enable-throttle

Description: Enable HTTPS AAA Login/Refresh throttling

Command Mode: https : HTTPS communication policy group

Command Path:

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

enable

enable

Description: Enable macsec policy

Command Mode: template macsec access|fabric interface-policy : Configure macsec interface policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric interface-policy <WORD>
(config-macsec-if-policy)# enable
```

enable

Description: Enable TWAMP Responder policy

Command Mode: template twamp responder-policy : Configure twamp responder policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template twamp responder-policy <WORD>
(config-twamp-responder-policy)# enable
```

enable

Description: Enable TWAMP Server policy

Command Mode: template twamp server-policy : Configure twamp server policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template twamp server-policy <WORD>
(config-twamp-server-policy)# enable
```

encap-mode

encap-mode auto|vlan|vxlan

Description: Enforce encap mode, domain mode will be used if not set

Syntax:

auto	Uses domain preference
vlan	VLAN
vxlan	VXLAN

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

Command Path:

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

encap

encap scope <arg>

Description: Configure the encap scope

Syntax:

scope	The encap scope
<i>arg</i>	

Command Mode: interface vlan : Vlan interface

Command Path:

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

encap scope <arg>

Description: Configure the encap scope

Syntax:

scope	The encap scope
<i>arg</i>	

Command Mode: interface vlan : Vlan interface

Command Path:

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


encryption

encryption

Description: Enable AES Encryption

Command Mode: crypto aes : AES encryption configuration

Command Path:

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

end

end

Description: Exit to the exec mode

Command Mode: exec : Exec Mode

Command Path:

```
# end
```

endpoint

endpoint retention <WORD>

Description: Specify an endpoint retention policy for this VRF

Syntax:

retention	Specify an endpoint retention policy for this VRF
<i>WORD</i>	Endpoint Retention Policy (Max Size 64)

Command Mode: vrf : Configuration for vrf

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# endpoint retention <WORD>
```

endpoint ip

endpoint ip <A.B.C.D/LEN>

Description: IP endpoint

Syntax:

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
--------------------	---

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ip <A.B.C.D/LEN>
```

endpoint ip aging

endpoint ip aging

Description: Enable/Disable Endpoint IP Aging

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]  
(config)# endpoint ip aging
```

endpoint ip anycast

endpoint ip <A.B.C.D/LEN> anycast E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: IP endpoint

Syntax:

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
<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: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ip <A.B.C.D/LEN> anycast
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

endpoint ip next-hop

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

Description: IP endpoint

Syntax:

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
<i>A.B.C.D</i>	IP address in format i.i.i.i

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ip <A.B.C.D/LEN> next-hop <A.B.C.D>
```

endpoint ipv6

endpoint ipv6 <A:B::C:D/LEN>

Description: IPv6 endpoint

Syntax:

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
---------------------	--

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ipv6 <A:B::C:D/LEN>
```


endpoint ipv6 anycast

endpoint ipv6 <A:B::C:D/LEN> anycast E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE

Description: IPv6 endpoint

Syntax:

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
<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: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ipv6 <A:B::C:D/LEN> anycast
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
```

endpoint ipv6 next-hop

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

Description: IPv6 endpoint

Syntax:

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
<i>A:B::C:D</i>	IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# endpoint ipv6 <A:B::C:D/LEN> next-hop <A:B::C:D>
```

endpoint loop-detect action bd-learn-disable

endpoint loop-detect action bd-learn-disable

Description: Configure Endpoint Loop Protection Action to BD-Learn-Disable

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint loop-detect action bd-learn-disable
```

endpoint loop-detect action port-disable

endpoint loop-detect action port-disable

Description: Configure Endpoint Loop Protection Action to Port-Disable

Command Mode: configure : Configuration Mode

Command Path:

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

endpoint loop-detect enable

endpoint loop-detect enable

Description: Enable/Disable Endpoint Loop-Detect Policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint loop-detect enable
```

endpoint loop-detect factor

endpoint loop-detect factor <NUMBER>

Description: Configure Endpoint Loop Detection Factor

Syntax:

<1-255>	End Point Loop Protection Multiplication Factor. Number range from=1 to=255
---------	---

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint loop-detect factor <NUMBER>
```

endpoint loop-detect interval

endpoint loop-detect interval <NUMBER>

Description: Configure Endpoint Loop Detection Interval

Syntax:

<30-300>	End Point Loop Detection Interval. Number range from=30 to=300
----------	--

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint loop-detect interval <NUMBER>
```

endpoint move-detection

endpoint move-detection <WORD>

Description: Endpoint Move detection Mode

Syntax:

<i>WORD</i>	Endpoint Move detection Mode
-------------	------------------------------

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

Command Path:

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


endpoint retention bounce-age-interval

endpoint retention bounce-age-interval x in <0-0> or <150-65535>

Description: Set the bounce age interval for endpoints

Syntax:

<i>x in <0-0> or <150-65535></i>	Set the Bounce Age Interval, use 0 for infinite
--	---

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

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention bounce-age-interval x in <0-0> or <150-65535>
```

endpoint retention bounce-age-interval x in <0-0> or <150-65535>

Description: Set the bounce age interval for endpoints

Syntax:

<i>x in <0-0> or <150-65535></i>	Set the Bounce Age Interval, use 0 for infinite
--	---

Command Mode: template endpoint retention policy : Configure an endpoint retention policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
(config-tenant-template-endpoint-retention)# endpoint retention bounce-age-interval x in
<0-0> or <150-65535>
```

endpoint retention hold-interval

endpoint retention hold-interval <NUMBER>

Description: Set the hold interval for endpoints

Syntax:

<5-65535>	Set the Hold Interval. Number range from=5 to=65535
-----------	---

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

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention hold-interval <NUMBER>
```

endpoint retention hold-interval <NUMBER>

Description: Set the hold interval for endpoints

Syntax:

<5-65535>	Set the Hold Interval. Number range from=5 to=65535
-----------	---

Command Mode: template endpoint retention policy : Configure an endpoint retention policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
(config-tenant-template-endpoint-retention)# endpoint retention hold-interval <NUMBER>
```

endpoint retention local-age-interval

endpoint retention local-age-interval x in <0-0> or <120-65535>

Description: Set the local endpoint age interval

Syntax:

<i>x in <0-0> or <120-65535></i>	Set the local endpoint age interval, use 0 for infinite
--	---

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

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention local-age-interval x in <0-0> or <120-65535>
```

endpoint retention local-age-interval x in <0-0> or <120-65535>

Description: Set the local endpoint age interval

Syntax:

<i>x in <0-0> or <120-65535></i>	Set the local endpoint age interval, use 0 for infinite
--	---

Command Mode: template endpoint retention policy : Configure an endpoint retention policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
(config-tenant-template-endpoint-retention)# endpoint retention local-age-interval x in
<0-0> or <120-65535>
```

endpoint retention move-frequency

endpoint retention move-frequency <NUMBER>

Description: Set the move frequency

Syntax:

<0-65535>	Set the move frequency. Number range from=0 to=65535
-----------	--

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

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention move-frequency <NUMBER>
```

endpoint retention move-frequency <NUMBER>

Description: Set the move frequency

Syntax:

<0-65535>	Set the move frequency. Number range from=0 to=65535
-----------	--

Command Mode: template endpoint retention policy : Configure an endpoint retention policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
(config-tenant-template-endpoint-retention)# endpoint retention move-frequency <NUMBER>
```

endpoint retention policy

endpoint retention policy <WORD>

Description: Associate the BD with an endpoint retention policy

Syntax:

<i>WORD</i>	Name of the endpoint retention policy to set (Max Size 64)
-------------	--

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

Command Path:

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

endpoint retention remote-age-interval

endpoint retention remote-age-interval x in <0-0> or <120-65535>

Description: Set the remote endpoint age interval

Syntax:

<i>x in <0-0> or <120-65535></i>	Remote endpoint age interval, use 0 for infinite
--	--

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

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# endpoint retention remote-age-interval x in <0-0> or <120-65535>
```

endpoint retention remote-age-interval x in <0-0> or <120-65535>

Description: Set the remote endpoint age interval

Syntax:

<i>x in <0-0> or <120-65535></i>	Remote endpoint age interval, use 0 for infinite
--	--

Command Mode: template endpoint retention policy : Configure an endpoint retention policy

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template endpoint retention policy <WORD>
(config-tenant-template-endpoint-retention)# endpoint retention remote-age-interval x in
<0-0> or <120-65535>
```

endpoint rogue-detect enable

endpoint rogue-detect enable

Description: Enable/Disable Rogue Endpoint Detection Policy

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint rogue-detect enable
```

endpoint rogue-detect factor

endpoint rogue-detect factor <NUMBER>

Description: Configure Rogue Endpoint Detection Factor

Syntax:

<2-65535>	Rogue Endpoint Detection Factor. Number range from=2 to=65535
-----------	---

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint rogue-detect factor <NUMBER>
```


endpoint rogue-detect hold-interval

endpoint rogue-detect hold-interval <NUMBER>

Description: Configure Rogue Endpoint Hold Interval

Syntax:

<300-3600>	Rogue Endpoint Hold Interval. Number range from=300 to=3600
------------	---

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint rogue-detect hold-interval <NUMBER>
```

endpoint rogue-detect interval

endpoint rogue-detect interval <NUMBER>

Description: Configure Rogue Endpoint Detection Interval

Syntax:

<30-3600>	Rogue Endpoint Detection Interval. Number range from=30 to=3600
-----------	---

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# endpoint rogue-detect interval <NUMBER>
```

enforce-subnet-learning

enforce-subnet-learning

Description: Subnet learning enforcement

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

Command Path:

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

enhancedlacp

enhancedlacp <lag-policy-name>

Description: Configure Enhanced LACP mode on DVS uplink ports

Syntax:

<lag-policy-name>	Enhanced Lag Policy Name
-------------------	--------------------------

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

Command Path:

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

ep-flush

ep-flush

Description: Clear remote L2 entries when local vPC L2 entries are cleared

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

Command Path:

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

ep-retention-time

ep-retention-time <WORD>

Description: Retention Time for all End Points in this domain

Syntax:

<i>WORD</i>	End Point Retention Time
-------------	--------------------------

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

Command Path:

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

epg

epg tenant <arg> application <arg> epg <arg>

Description: EPG the Power Device will connect to

Syntax:

tenant	Tenant hosting the EPg
<i>arg</i>	
application	Application Name
<i>arg</i>	
epg	EPg for the Power Device
<i>arg</i>	

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

Command Path:

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

epg <WORD> [type <WORD>]

Description: AEPg configuration mode

Syntax:

<i>WORD</i>	Application EPG name (Max Size 64)
<i>WORD</i>	(Optional) Specify EPG type

Command Mode: application : application configuration mode

Command Path:

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

epg <WORD>

Description: AEPg configuration mode

Syntax:

<i>WORD</i>	Application EPG name (Max Size 64)
-------------	------------------------------------

Command Mode: application : application configuration mode

Command Path:

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


eraseconfig

eraseconfig [setup]

Description: Erase config and reboot

Syntax:

setup	(Optional) Clean setup
-------	------------------------

Command Mode: exec : Exec Mode

Command Path:

```
# eraseconfig [setup]
```

errdisable recovery cause bpduguard

errdisable recovery cause bpduguard

Description: Enable timer to recover from BPDU Guard error disable

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]  
(config)# errdisable recovery cause bpduguard
```

errdisable recovery cause ep-move

errdisable recovery cause ep-move

Description: Enable timer to recover from End Point Move error disable

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# errdisable recovery cause ep-move
```

errdisable recovery cause mcp-loop

errdisable recovery cause mcp-loop

Description: Enable timer to recover from MCP Loop error disable

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# errdisable recovery cause mcp-loop
```

errdisable recovery interval

errdisable recovery interval <NUMBER>

Description: Configure Error Disable Recovery Interval

Syntax:

<30-65535>	Timer-interval (sec). Number range from=30 to=65535
------------	---

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# errdisable recovery interval <NUMBER>
```

erspan-id

erspan-id <id>

Description: Erspan Id

Syntax:

<i>id</i>	erspan Id. Number range from=1 to=1023
-----------	--

Command Mode: destination tenant : Configure monitor remote destination

Command Path:

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

erspan-id <id>

Description: Erspan Id

Syntax:

<i>id</i>	erspan Id. Number range from=1 to=1023
-----------	--

Command Mode: destination : Configure monitor remote destination

Command Path:

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

erspan-id <arg>

Description: Erspan Id

Syntax:

<i>arg</i>	erspan Id. Number range from=1 to=1023
------------	--

Command Mode: destination : Configure monitor remote destination

Command Path:

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

```
(config-monitor-tenant-dest)# erspan-id <>
```

erspan-id <arg>**Description:** Configure ERSPAN ID**Syntax:**

<i>arg</i>	ERSPAN ID. Number range from=1 to=1023
------------	--

Command Mode: destination destip : Configure monitor remote destination**Command Path:**

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

erspan-version

erspan-version <version> [enforce]

Description: Set ERSPAN version

Syntax:

<i>version</i>	ERSPAN version
enforce	(Optional) enforce

Command Mode: destination tenant : Configure monitor remote destination

Command Path:

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

erspan-version <version> [enforce]

Description: Set ERSPAN version

Syntax:

<i>version</i>	ERSPAN version
enforce	(Optional) enforce

Command Mode: destination : Configure monitor remote destination

Command Path:

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

erspan-version <version> [enforce]

Description: Set ERSPAN version

Syntax:

<i>version</i>	ERSPAN version
enforce	(Optional) enforce

Command Mode: destination : Configure monitor remote destination

Command Path:

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

esx-avail-override

esx-avail-override <esx-hostname> green|yellow|red

Description: Override ESX availability

Syntax:

<esx-hostname>	ESX Hostname
green	green
yellow	yellow
red	red

Command Mode: vcenter : Configure a vCenter in the VMware domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
(config-vmware-vc)# esx-avail-override <esx-hostname> green|yellow|red
```

evpn

evpn route-reflector spine <LIST>

Description: Configure BGP evpn route-reflectors

Syntax:

route-reflector	Configure BGP evpn route-reflectors
spine	Configure Spines as route-reflectors
<i>LIST</i>	Route-reflector spine node name or ID list. Ex. spine1 or 103,105

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

Command Path:

```
# configure [['terminal', 't']]
(config)# bgp-fabric
(config-bgp-fabric)# evpn route-reflector spine <LIST>
```

evpn route-reflector spine <LIST>

Description: Configure BGP evpn route-reflectors

Syntax:

route-reflector	Configure BGP evpn route-reflectors
spine	Configure Spines as route-reflectors
<i>LIST</i>	Route-reflector spine node name or ID list. Ex. spine1 or 103,105

Command Mode: bgp : Border Gateway Protocol (BGP)

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# bgp fabric
(config-pod-bgp)# evpn route-reflector spine <LIST>
```

evpn consumer

evpn consumer <WORD>

Description: EVPN Consumer

Syntax:

<i>WORD</i>	Label Name
-------------	------------

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn consumer <WORD>
```

evpn consumer <WORD>

Description: EVPN Consumer

Syntax:

<i>WORD</i>	Label Name
-------------	------------

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn consumer <WORD>
```

evpn export

evpn export map <WORD> label <WORD>

Description: VRF export

Syntax:

map	Route-map based VRF export
<i>WORD</i>	Route Map Name (Max Size 63)
label	Configure consumer label
<i>WORD</i>	Consumer label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn export map <WORD> label <WORD>
```

evpn export map <WORD> label <WORD>

Description: VRF export

Syntax:

map	Route-map based VRF export
<i>WORD</i>	Route Map Name (Max Size 63)
label	Configure consumer label
<i>WORD</i>	Consumer label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn export map <WORD> label <WORD>
```

evpn import

evpn import map <WORD> label <WORD>

Description: VRF import

Syntax:

map	Route-map based VRF import
<i>WORD</i>	Route Map Name (Max Size 63)
label	Configure consumer label
<i>WORD</i>	Consumer label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn import map <WORD> label <WORD>
```

evpn import map <WORD> label <WORD>

Description: VRF import

Syntax:

map	Route-map based VRF import
<i>WORD</i>	Route Map Name (Max Size 63)
label	Configure consumer label
<i>WORD</i>	Consumer label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn import map <WORD> label <WORD>
```

evpn provider

evpn provider <WORD>

Description: EVPN Provider

Syntax:

<i>WORD</i>	Provide Label Name
-------------	--------------------

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn provider <WORD>
```

evpn provider <WORD>

Description: EVPN Provider

Syntax:

<i>WORD</i>	Provide Label Name
-------------	--------------------

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# evpn provider <WORD>
```

exception

exception name <WORD> [field <WORD>] [consumer-regexp <WORD>] [provider-regexp <WORD>]

Description: apply an exception to this subject

Syntax:

name	name
WORD	Name of the exception to apply (Max Size None)
WORD	(Optional) Filed on which regex applies
WORD	(Optional) consumer regex
WORD	(Optional) provider regex

Command Mode: subject : Configuration a subject on the contract

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# exception name <WORD> [field <WORD>] [consumer-regexp <WORD>]
[provider-regexp <WORD>]
```

exception name <WORD> [field <WORD>] [consumer-regexp <WORD>] [provider-regexp <WORD>]

Description: apply an exception to this subject

Syntax:

name	name
WORD	Name of the exception to apply (Max Size None)
WORD	(Optional) Filed on which regex applies
WORD	(Optional) consumer regex
WORD	(Optional) provider regex

Command Mode: contract : Configure binary contracts between Application EPGs

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# exception name <WORD> [field <WORD>] [consumer-regexp <WORD>]
[provider-regexp <WORD>]
```


exec

exec

Description: Exec Mode

Command Mode: None

exit

exit

Description: Exit from current mode

Command Mode: exec : Exec Mode

Command Path:

```
# exit
```

expiration

expiration <DATE>

Description: If expires enabled, Set expiration date of locally-authenticated user account.

Syntax:

<i>DATE</i>	UTC Date format (YYYY-MM-DDTHH:MM:SS.mmm[+-]hh:mm)
-------------	--

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

Command Path:

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

expires

expires

Description: Enable expiry for locally-authenticated user account

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

Command Path:

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

export-config

export-config <WORD>

Description: Export Configuration

Syntax:

<i>WORD</i>	Filename(absolute path)
-------------	-------------------------

Command Mode: exec : Exec Mode

Command Path:

```
# export-config <WORD>
```

export

export to tenant <WORD> [as <WORD>]

Description: Export a contract to another tenant

Syntax:

to	Tenant to export the command to
tenant	Tenant to export the command to
WORD	Tenant to export the command to (Max Size 63)
WORD	(Optional) New name under which the contract will be known (Max Size 64)

Command Mode: contract : Configure binary contracts between Application EPGs

Command Path:

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

export map <WORD>

Description: VRF export

Syntax:

map	Route-map for inter VRF route leak
WORD	Route Map Name (Max Size 63)

Command Mode: vrf : Configure VRF parameters

Command Path:

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

export map <WORD>

Description: VRF export

Syntax:

map	Route-map for inter VRF route leak
-----	------------------------------------

<i>WORD</i>	Route Map Name (Max Size 63)
-------------	------------------------------

Command Mode: vrf : Configure VRF parameters

Command Path:

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

exporter

exporter <WORD>

Description: Assign Netflow Exporter to the Monitor

Syntax:

<i>WORD</i>	Exporter Name (Max Size 64)
-------------	-----------------------------

Command Mode: flow monitor : Configure Netflow Monitor

Command Path:

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

exporter <WORD>

Description: Assign Netflow Exporter to the Monitor

Syntax:

<i>WORD</i>	Exporter Name (Max Size 64)
-------------	-----------------------------

Command Mode: flow monitor : Configure Netflow Monitor

Command Path:

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


extcommunity-list expanded

extcommunity-list expanded <WORD> <LINE>

Description: Configure expanded community list templates

Syntax:

<i>WORD</i>	Community list name (Max Size 64)
<i>LINE</i>	Regular-expression

Command Mode: template route group : Configure Route Group

Command Path:

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

extcommunity-list expanded <WORD> <LINE>

Description: Configure expanded community list templates

Syntax:

<i>WORD</i>	Community list name (Max Size 64)
<i>LINE</i>	Regular-expression

Command Mode: template route group : Configure Route Group

Command Path:

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

extcommunity-list standard

extcommunity-list standard <WORD> [scope <scope>] ASN2:NN

Description: Configure standard community list templates

Syntax:

<i>WORD</i>	Community list name (Max Size 64)
<i>scope</i>	(Optional) transitive or non-transitive
<i>ASN2:NN</i>	Community number aa:nn format

Command Mode: template route group : Configure Route Group

Command Path:

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

extcommunity-list standard <WORD> [scope <scope>] ASN2:NN

Description: Configure standard community list templates

Syntax:

<i>WORD</i>	Community list name (Max Size 64)
<i>scope</i>	(Optional) transitive or non-transitive
<i>ASN2:NN</i>	Community number aa:nn format

Command Mode: template route group : Configure Route Group

Command Path:

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

external-l2

external-l2 epg <WORD>

Description: L2 external EPG creation/configuration

Syntax:

epg	L2 external EPG name
<i>WORD</i>	L2 external EPG name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

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

external-l3

external-l3 epg <WORD> <WORD>

Description: External L3 EPG to associate

Syntax:

epg	Specify the external EPG
<i>WORD</i>	External L3 EPG name
<i>WORD</i>	evpn label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# external-l3 epg <WORD> <WORD>
```

external-l3 epg <WORD> <WORD>

Description: External L3 EPG to associate

Syntax:

epg	Specify the external EPG
<i>WORD</i>	External L3 EPG name
<i>WORD</i>	evpn label name

Command Mode: vrf : Configure VRF parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# external-l3 epg <WORD> <WORD>
```

external-l3 epg

external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]

Description: External L3 EPG configuration mode

Syntax:

<i>WORD</i>	External L3 EPG name (Max Size 49)
<i>oob-mgmt</i>	(Optional) External L3 EPG for Out of band
<i>l3out</i>	(Optional) Configure external-l3 epg on an API configured L3Out

Command Mode: tenant : Tenant configuration mode

Command Path:

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

external-routed-domain

external-routed-domain <l3dom>

Description: Add l3Dom to the Resource Pool

Syntax:

<i>l3dom</i>	l3dom
--------------	-------

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

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# external-routed-domain <l3dom>
```

external-switch-node

external-switch-node <node-name>

Description: External Switch Node

Syntax:

<i>node-name</i>	node Name
------------------	-----------

Command Mode: system external-switch-group : External Switch

Command Path:

```
# configure [['terminal', 't']]
(config)# system external-switch-group <group-name>
(config-external-switch-group)# external-switch-node <node-name>
```

