



## E Commands

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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>
```

# 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>] [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|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|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 &lt;0-0&gt; or &lt;150-65535&gt;</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 &lt;0-0&gt; or &lt;150-65535&gt;</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 &lt;0-0&gt; or &lt;120-65535&gt;</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 &lt;0-0&gt; or &lt;120-65535&gt;</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 &lt;0-0&gt; or &lt;120-65535&gt;</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 &lt;0-0&gt; or &lt;120-65535&gt;</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
```

# 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 <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]
```

# 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
<i>WORD</i>	Name of the exception to apply (Max Size None)
<i>WORD</i>	(Optional) Filed on which regex applies
<i>WORD</i>	(Optional) consumer regex
<i>WORD</i>	(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
<i>WORD</i>	Name of the exception to apply (Max Size None)
<i>WORD</i>	(Optional) Filed on which regex applies
<i>WORD</i>	(Optional) consumer regex
<i>WORD</i>	(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
<i>WORD</i>	Tenant to export the command to (Max Size 63)
<i>WORD</i>	(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
<i>WORD</i>	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>
```