



## 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-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 [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-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>
```

# 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-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

## 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-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
```

# 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 loop-detect action bd-learn-disable

## endpoint loop-detect action bd-learn-disable

**Description:** Configure EP 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 EP 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 End Point 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 End Point 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>
```

# 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
```

# 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>]
```

# eraseconfig

**eraseconfig**

**Description:** Erase config and reboot

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# eraseconfig
```

# 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 <session_name>
(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 <>
```

# 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

## 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>
```

## 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>**

**Description:** External L3 EPG to associate

**Syntax:**

epg	Specify the external EPG
<i>WORD</i>	External L3 EPG 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>
```

## 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)
oob-mgmt	(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>]
```