



EVPN Commands

This section describes the commands used to configure Ethernet VPN (EVPN) services for Layer 2 VPNs.

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advertise-mac

To advertise local MAC to the peers, use **advertise-mac** command in the EVPN configuration mode. The local MAC is advertised to the peer in control plane using BGP.

advertise-mac

Syntax Description This command has no keywords or arguments.

Command Default None

Command Modes EVPN

Command History	Release	Modification
	Release 7.11.1	This command was introduced.

Usage Guidelines No specific guidelines impact the use of this command.

The following example shows how to advertise local MAC.

```
Router(config)# evpn
Router(config-evpn)# interface Bundle-Ether 1
Router(config-evpn-ac)# exit
Router(config-evpn)# evi 2001
Router(config-evpn-instance)# advertise-mac
Router(config-evpn-instance-mac)# commit
```

convergence reroute

To enable the switchover of a failed primary link from one PE device to another by redirecting the unicast traffic to backup peer , use the **convergence reroute** command in the EVPN interface Ethernet segment configuration mode.

convergence reroute

Syntax Description	This command has no keywords or arguments.
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Command Default	None
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Command Modes	EVPN interface Ethernet segment configuration mode
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Command History	Release	Modification
	Release 24.3.1	This command was introduced.

Usage Guidelines	No specific guidelines impact the use of this command.
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Task ID	Task ID	Operation
l2vpn	read, write	

Example

This example shows how to redirect the unicast traffic to backup peer.

```
Router(config)# evpn
Router(config-evpn)# interface Bundle-Ether1
Router(config-evpn-ac)# ethernet-segment
Router(config-evpn-ac-es)# identifier type 0 00.00.00.00.00.05.01.02
Router(config-evpn-ac-es)# convergence reroute
```

core-isolation-group

core-isolation-group

To configure EVPN core isolation group after the core interfaces fail, use the **core-isolation-group** command in the EVPN Timers configuration mode.

core-isolation-group *group-id*

Syntax Description	<i>group-id</i> Specifies the core isolation group ID. The range is from 1 to 4294967295.
---------------------------	---

Command Default	None.
------------------------	-------

Command Modes	EVPN configuration mode
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Command History	Release	Modification
	Release 7.11.1	This command was introduced.

Usage Guidelines	No specific guidelines impact the use of this command.
-------------------------	--

Example

This example shows how to configure the EVPN core isolation group.

```
Router# configure
Router(config-evpn)# interface bundle-Ether 43001
Router(config-evpn-ac)# core-isolation-group 43001
Router(config-evpn-ac)# commit
```

decoupled-mode

To enable decoupled mode in the L2VPN and EVPN VPWS, use the **decoupled-mode** command in L2VPN configuration mode. This mode keeps the Pseudowire (PW) active even when the Attachment Circuit (AC) is down due to any failure.

decoupled-mode

Syntax Description	This command has no keywords or arguments.
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Command Default	None
------------------------	------

Command Modes	L2VPN configuration mode
----------------------	--------------------------

Command History	Release	Modification
	Release 25.2.1	This command was introduced.

Usage Guidelines	No specific guidelines impact the use of this command.
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Task ID	Task ID	Operation
	l2vpn	read, write

Examples	The following example shows how to enable decoupled mode in the L2VPN and EVPN VPWS on a Provider Edge (PE) router.
-----------------	---

```
Router# configure
Router# 12vpn xconnect group g1
Router# p2p xc1
Router# decoupled-mode
Router# interface Gi0/0/0/0.3
Router# neighbor evpn evi 1 service-id 10011
```

ethernet-segment

To enter the EVPN interface ethernet segment configuration mode, use the **ethernet-segment** command in the EVPN interface configuration mode. To disable the Ethernet segment configuration, use the **no** form of this command.

```
ethernet-segment [ backbone-source-mac | identifier | load-balancing-mode | service-carving ]
no ethernet-segment [ backbone-source-mac | identifier | load-balancing-mode | service-carving ]
```

Syntax Description	backbone-source-mac Specifies Backbone Source MAC. identifier Specifies Ethernet Segment Identifier. load-balancing-mode Specifies load balancing mode. service-carving Specifies service carving.				
Command Default	None.				
Command Modes	EVPN interface configuration				
Command History	<table border="1"> <thead> <tr> <th>Release</th><th>Modification</th></tr> </thead> <tbody> <tr> <td>Release 7.11.1</td><td>This command was introduced.</td></tr> </tbody> </table>	Release	Modification	Release 7.11.1	This command was introduced.
Release	Modification				
Release 7.11.1	This command was introduced.				
Usage Guidelines	No specific guidelines impact the use of this command.				
Task ID	<table border="1"> <thead> <tr> <th>Task ID</th><th>Operation</th></tr> </thead> <tbody> <tr> <td>l2vpn</td><td>read, write</td></tr> </tbody> </table>	Task ID	Operation	l2vpn	read, write
Task ID	Operation				
l2vpn	read, write				

This example shows how to enter the EVPN interface ethernet segment configuration mode:

```
Router# configure
Router(config)# evpn
Router(config-evpn)# interface bundle-ether 1
Router(config-evpn-ac)# ethernet-segment
Router(config-evpn-ac-es) #
```

etree rt-leaf

To enable EVPN instance as EVPN E-Tree leaf site using BGP Route Target (RT) import and export policies, use the **etree rt-leaf** command in the EVPN EVI configuration submode.

etree rt-leaf

Syntax Description	This command has no keywords or arguments.
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Command Default	None.
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Command Modes	EVI configuration submode
----------------------	---------------------------

Command History	Release	Modification
	Release 7.11.1	This command was introduced.

Usage Guidelines	No specific guidelines impact the use of this command.
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Task ID	Task ID	Operation
l2vpn	read, write	

Example

This example shows how to designate EVPN instance as EVPN E-Tree Route-Target leaf site.

```
Router(config)# evpn
Router(config-evpn)# evi 15
Router(config-evpn-instance)# etree
Router(config-evpn-instance-etree)# rt-leaf
```

evpn evi

evpn evi

To enter the EVPN EVI configuration mode and configure BGP settings for a bridge domain or EVI, use the **evi** command in the EVPN configuration mode.

evi *evi-id*

Syntax Description

evi-id Specifies the Ethernet VPN ID to set.

Before Release 25.2.1, The range is from 1 to 65534.

From Release 25.2.1, The range is from 1 to 16777215.

Command Default

None.

Command Modes

EVPN configuration mode

Command History

Release	Modification
Release 25.2.1	Extending the Ethernet VPN ID range to 16777215.
Release 7.11.1	This command was introduced.

Usage Guidelines

Use this command to configure static BGP route distinguisher or BGP route target for an EVI.

Task ID

Task ID	Operation
l2vpn	read, write

Example

This example shows how to enter the EVPN EVI configuration mode:

```
Router# configure
Router(config)# evpn
Router(config-evpn)# evi 2
```

evpn

To enter EVPN configuration mode, use the **evpn** command in the global configuration mode. To return to the global configuration mode, use the **no** form of this command.

```
evpn [ bgp | evi | interface | timers ]
no evpn [ bgp | evi | interface | timers ]
```

Syntax Description

bgp	Configures BGP.
evi	Configures Ethernet VPN ID (EVI).
interface	Assigns an interface to EVPN.
timers	Configures global EVPN timers.

Command Default

None.

Command Modes

Global configuration

Command History

Release	Modification
7.11.1	This command was introduced.

Usage Guidelines

No specific guidelines impact the use of this command.

Task ID

Task ID	Operation
l2vpn	read, write

Example

This example shows how to enter the EVPN configuration mode:

```
Router# configure
Router(config)# evpn
Router(config-evpn) #
```

host mac-address duplicate-detection

host mac-address duplicate-detection

To enable duplicate detection of host MAC address, use the **host mac-address duplicate-detection** command in the EVPN configuration mode.

```
host mac-address duplicate-detection [ freeze-time freeze-time | move-count move-count | move-interval move-interval | retry-count retry-count | infinity | reset-freeze-count-interval interval ] disable
```

Syntax Description	freeze-time <i>freeze-time</i> move-count <i>move-count</i> move-interval <i>move-interval</i> retry-count <i>retry-count</i> infinite reset-freeze-count-interval <i>interval</i> disable	Length of time to lock the MAC address after it has been detected as duplicate. Default is 30 seconds. Number of moves to occur within the specified move-interval before freezing the MAC address. Default is 5. Interval to watch for subsequent MAC moves before freezing the MAC address. Default is 180 seconds. Number of times to unfreeze an MAC address before freezing it permanently. Default is three times. Infinite retry count. Prevents freezing of the duplicate MAC address permanently. Interval after which the count of duplicate detection events is reset. Default is 24 hours. The range is from 1 hour to 48 hours. Disable duplicate detection of MAC addresses.
Command Default	None	
Command Modes	EVPN configuration mode	
Command History	Release Release 7.11.1	Modification This command was introduced.
Usage Guidelines	None	
Task ID	Task ID l2vpn	Operation read, write

Example

This example shows how to enable duplicate detection of host MAC address:

```
Router# configure
Router(config)# evpn
Router(config-evpn)# host MAC-address duplicate-detection
Router(config-evpn-host-mac-addr-dup-detection)# move-count 2
Router(config-evpn-host-mac-addr-dup-detection)# freeze-time 10
Router(config-evpn-host-mac-addr-dup-detection)# retry-count 2
Router(config-evpn-host-mac-addr-dup-detection)# commit
```

This example shows how to prevent permanent freezing of duplicate host MAC address:

```
Router# configure
Router(config)# evpn
Router(config-evpn)# host MAC-address duplicate-detection
Router(config-evpn-host-mac-addr-dup-detection)# retry-count infinity
Router(config-evpn-host-mac-addr-dup-detection)# commit
```

This example shows how to reset the interval after which the count of duplicate detection events are permanently frozen.

```
Router# configure
Router(config)# evpn
Router(config-evpn)# host MAC-address duplicate-detection
Router(config-evpn-host-mac-addr-dup-detection)# reset-freeze-count-interval 20
Router(config-evpn-host-mac-addr-dup-detection)# commit
```

show bgp l2vpn evpn

show bgp l2vpn evpn

To display BGP routes associated with EVPN under L2VPN address family, use the **show bgp l2vpn evpn** command in EXEC mode.

```
show bgp l2vpn evpn {bridge-domain bridge-domain-name | rd {all IPv4 address:nn 4-byte as-number:nn 2-byte as-number:nn}}
```

Syntax Description	bridge-domain <i>bridge-domain-name</i> Displays the bridges by the bridge ID. The bridge-domain-name argument is used to name a bridge domain. rd Displays routes with specific route distinguisher. all Displays specified routes in all RDs. IPv4 address:<i>nn</i> Specifies the IPv4 address of the route distinguisher. <i>nn</i> : 16-bit number 4-byte as-number:<i>nn</i> Specifies 4-byte AS number in asdot (X.Y) format or in asplain format. <ul style="list-style-type: none"> For 4-byte AS number in asdot (X.Y) format, the range is from 1 to 65535. The format is: <1-65535>.<0-65535>:<0-65535> For 4-byte AS number in asplain format, the range is from 65536 to 4294967295. The format is: <65536-4294967295>: <i>nn</i>: 32-bit number 2-byte as-number:<i>nn</i> Specifies 2-byte as-number. The range is from 1 to 65535. <i>nn</i> : 32-bit number				
Command Default	None				
Command Modes	EXEC				
Command History	<table border="1"> <thead> <tr> <th>Release</th><th>Modification</th></tr> </thead> <tbody> <tr> <td>Release 7.11.1</td><td>This command was introduced.</td></tr> </tbody> </table>	Release	Modification	Release 7.11.1	This command was introduced.
Release	Modification				
Release 7.11.1	This command was introduced.				
Usage Guidelines	No specific guidelines impact the use of this command.				
Task ID	<table border="1"> <thead> <tr> <th>Task ID</th><th>Operation</th></tr> </thead> <tbody> <tr> <td>bgp</td><td>read</td></tr> </tbody> </table>	Task ID	Operation	bgp	read
Task ID	Operation				
bgp	read				

Example

This sample output shows the BGP routes associated with EVPN with bridge-domain filter:

```
show bgp l2vpn evpn bridge-domain bd1
Network          Next Hop          Metric LocPrf Weight Path
Route Distinguisher: 192.0.2.1:1 (default for vrf bd1)
*>i[1][0077.0000.0000.0000.0001][0]/120
               198.51.100.1          100      0 i
*>i[1][0077.0000.0000.0000.0001][4294967295]/120
               198.51.100.1          100      0 i
*>i[1][0088.0000.0000.0000.0001][0]/120
               203.0.113.1          100      0 i
* i           209.165.200.225          100      0 i
*>i[1][0088.0000.0000.0000.0001][4294967295]/120
               203.0.113.1          100      0 i
* i           209.165.200.225          100      0 I
* [2][0][48][0001.0000.0001][0]/104
*>          209.165.201.1          0 101 i
*>i[2][0][48][0002.0000.0001][0]/104
               203.0.113.1          100      0 102 i
* i           209.165.200.225          100      0 102 i
*>i[3][0][32][203.0.113.1]/80
               203.0.113.1          100      0 i
*>i[3][0][32][209.165.200.225]/80
               209.165.200.225          100      0 i
```

load-balancing-mode

To enable the load-balancing mode, use the **load-balancing-mode** command in the EVPN interface configuration mode. To disable the load-balancing mode, use the **no** form of this command.

load-balancing-mode { port-active | single-active | single-flow-active }

Syntax Description	<table border="0"> <tr> <td>port-active</td><td>Enables the port-active load-balancing mode</td></tr> <tr> <td>single-active</td><td>Enables the single-active load-balancing mode.</td></tr> <tr> <td>single-flow-active</td><td>Enables the single-flow-active load-balancing mode.</td></tr> </table>	port-active	Enables the port-active load-balancing mode	single-active	Enables the single-active load-balancing mode.	single-flow-active	Enables the single-flow-active load-balancing mode.
port-active	Enables the port-active load-balancing mode						
single-active	Enables the single-active load-balancing mode.						
single-flow-active	Enables the single-flow-active load-balancing mode.						
Command Default	None						
Command Modes	EVPN configuration mode						
Command History	<table border="0"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>Release 24.2.11</td><td>This command was introduced.</td></tr> </tbody> </table>	Release	Modification	Release 24.2.11	This command was introduced.		
Release	Modification						
Release 24.2.11	This command was introduced.						
Usage Guidelines	No specific guidelines impact the use of this command.						
Task ID	<table border="0"> <thead> <tr> <th>Task ID</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>l2vpn</td><td>read, write</td></tr> </tbody> </table>	Task ID	Operation	l2vpn	read, write		
Task ID	Operation						
l2vpn	read, write						

Example

This example shows how to enable the single-active load-balancing mode:

```
Router# configure
Router(config)# evpn
Router(config-evpn)# ethernet-segment
Router(config-evpn-es)# load-balancing-mode single-active
```

This example shows how to enable the single-flow-active load-balancing mode:

```
Router# configure
Router(config)# evpn
Router(config-evpn)# ethernet-segment
Router(config-evpn-es)# load-balancing-mode single-flow-active
```

show evpn ethernet-segment

To display the EVPN Ethernet segment information, use the **show evpn ethernet-segment** command in the EXEC mode.

show evpn ethernet-segment [detail | esi | interface | location | private | standby | carving]

Syntax Description

detail	Displays detailed information.
esi	Filters by Ethernet Segment identifier.
interface	Filters by interface name.
location	Displays location specific information.
private	Displays private information.
standby	Displays standby node specific information.

Command Default

None.

Command Modes

EXEC

Command History

Release	Modification
7.11.1	This command was introduced.

Usage Guidelines

No specific guidelines impact the use of this command.

Task ID

Task ID	Operation
l2vpn	read

Example

This sample output shows the EVPN Ethernet segment detailed information:

```
Router# show evpn ethernet-segment interface HundredGigE 0/0/0/24 detail
Ethernet Segment Id      Interface          Nexthops
-----  -----  -----
N/A                  HundredGigE 0/0/0/24 10.0.0.1
.....
Topology : 
Operational : SH
```

show evpn evi

show evpn evi

To display the EVPN E-VPN ID information, use the **show evpn evi** command in the EXEC mode.

```
show evpn evi [ bridge-domain | detail | inclusive-multicast | location | mac | standby | vpn-id ]
```

Syntax Description	bridge-domain Displays information for a specified bridge-domain.. detail Displays detailed information. inclusive-multicast Displays EVPN Inclusive Multicast information. location Displays location specific information. mac Displays EVI MAC route associated configuration information. standby Displays standby node specific information. vpn-id Displays information for a specified E-VPN Identifier.						
Command Default	None.						
Command Modes	EXEC						
Command History	<table border="1"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>Release 7.11.1</td> <td>This command was introduced.</td> </tr> <tr> <td>Release 25.1.1</td> <td>The show evpn evi mac command output is enhanced to display the multi-paths internal ID.</td> </tr> </tbody> </table>	Release	Modification	Release 7.11.1	This command was introduced.	Release 25.1.1	The show evpn evi mac command output is enhanced to display the multi-paths internal ID.
Release	Modification						
Release 7.11.1	This command was introduced.						
Release 25.1.1	The show evpn evi mac command output is enhanced to display the multi-paths internal ID.						
Usage Guidelines	No specific guidelines impact the use of this command.						
Task ID	<table border="1"> <thead> <tr> <th>Task ID</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>l2vpn</td> <td>read</td> </tr> </tbody> </table>	Task ID	Operation	l2vpn	read		
Task ID	Operation						
l2vpn	read						

Example

This sample output shows the EVPN EVI information with the VPN-ID and MAC address filter:

```
Router#show evpn evi vpn-id 185 mac 0024.be03.ce01
MAC address      Nexthop                                Label    vpn-id
-----  

0024.be03.ce01  3.100.100.100                            16004   185
                  4.100.100.100                            16004   185
ESI port key : 0x0000
```

```
Source      : Remote
Flush Count : 0
```

This sample output shows the EVPN EVI information with the VPN-ID and inclusive-multicast filter:

```
Router#show evpn evi vpn-id 185 inclusive-multicast service-id 1850312 orig-ip 1.100.100.100
ISID          Originating IP           vpn-id
-----
1850312      1.100.100.100          185
1850312      2.100.100.100          185
1850312      3.100.100.100          185
1850312      4.100.100.100          185
```

This sample output shows the EVPN EVI inclusive-multicast information:

```
Router#show evpn evi inclusive-multicast detail
ISID: 1850312, Originating IP: 1.100.100.100          185
  Nexthop: :::
  Label   : 16005
  Source  : Local
ISID: 1850312, Originating IP: 2.100.100.100          185
  Nexthop: 2.100.100.100
  Label   : 16005
  Source  : Remote
ISID: 1850312, Originating IP: 3.100.100.100          185
  Nexthop: 3.100.100.100
  Label   : 16005
  Source  : Remote
ISID: 1850312, Originating IP: 4.100.100.100          185
  Nexthop: 4.100.100.100
  Label   : 16005
  Source  : Remote
```

This sample output shows the EVPN EVI information with the bridge-domain filter:

```
Router#show evpn evi bridge-domain tb1-core1 detail
EVI      Bridge Domain       Type
-----
145      tb1-core1           PBB
165      tb1-core2           PBB
185      tb1-core3           PBB
65535    ES:GLOBAL          BD
```

This sample output shows the EVPN EVI detailed information:

```
Router#show evpn evi detail
EVI      Bridge Domain       Type
-----
145      tb1-core1           PBB
  Unicast Label : 16000
  Multicast Label: 16001
  RD Config: none
  RD Auto   : (auto) 1.100.100.100:145
  RT Auto   : 100:145
  Route Targets in Use      Type
  -----
  100:145                  Import
```

show evpn evi

```

100:145                               Export

165      tb1-core2                      PBB
    Unicast Label : 16002
    Multicast Label: 16003
    RD Config: none
    RD Auto : (auto) 1.100.100.100:165
    RT Auto : 100:165
    Route Targets in Use      Type
    -----
    100:165                         Import
    100:165                         Export

185      tb1-core3                      PBB
    Unicast Label : 16004
    Multicast Label: 16005
    RD Config: none
    RD Auto : (auto) 1.100.100.100:185
    RT Auto : 100:185
    Route Targets in Use      Type
    -----
    100:185                         Import
    100:185                         Export

65535     ES:GLOBAL                     BD
    Unicast Label : 0
    Multicast Label: 0
    RD Config: none
    RD Auto : (auto) 1.100.100.100:0
    RT Auto : none
    Route Targets in Use      Type
    -----
    0100.9e00.0210                 Import
    0100.be01.ce00                 Import
    0100.be02.0101                 Import

```

This sample output shows the EVPN EVI information with the MAC address filter:

Router# **show evpn evi mac ee04.0700.0450 detail**

VPN-ID	Encap	MAC address Label	IP address SID	Nexthop
12	MPLS	ee04.0700.0450 :: 24171		192.168.0.4
		Ethernet Tag	: 0	
		Multi-paths Resolved	: True	
		Multi-paths Internal label	: 29022	
		Service Group ID	: None	
		Local Static	: No	
		Remote Static	: Yes	
		Local Ethernet Segment	: N/A	
		Remote Ethernet Segment	: 0001.0001.0001.0701.0007	
		Local Sequence Number	: N/A	
		Remote Sequence Number	: 0	
		Local Encapsulation	: N/A	
		Remote Encapsulation	: MPLS	
		Local E-Tree	: Root	
		Remote E-Tree	: Root	
		Remote matching E-Tree RT	: No	
		Local AC-ID	: 0x0	
		Remote AC-ID	: 0x45	

Local ARP/ND Information	: N/A
Remote ARP/ND Information	: N/A

From Release 25.1.1, the command output displays multi-paths internal ID. In this example, the multi-paths internal ID shows "none", but for SRv6 MACs, it displays a specific value.

```
Router# show evpn evi mac ee04.0700.0450 detail
```

VPN-ID	Encap	MAC address	IP address	Nexthop
		Label	SID	
<hr/>				
12	MPLS	ee04.0700.0450	::	192.168.0.4
		24171		
Ethernet Tag			: 0	
Multi-paths Resolved			: True	
Multi-paths Internal label			: 29022	
Multi-paths Internal ID			: None	
Service Group ID			: None	
Local Static			: No	
Remote Static			: Yes	
Local Ethernet Segment			: N/A	
Remote Ethernet Segment			: 0001.0001.0001.0701.0007	
Local Sequence Number			: N/A	
Remote Sequence Number			: 0	
Local Encapsulation			: N/A	
Remote Encapsulation			: MPLS	
Local E-Tree			: Root	
Remote E-Tree			: Root	
Remote matching E-Tree RT			: No	
Local AC-ID			: 0x0	
Remote AC-ID			: 0x45	
Local ARP/ND Information			: N/A	
Remote ARP/ND Information			: N/A	

show evpn internal-label

show evpn internal-label

To display EVPN internal label associated configuration information, use the **show evpn internal-label** command in the EXEC mode.

show evpn internal-label [vpn-id evi [detail]]

Syntax Description	vpn-id evi	Displays information for a specified E-VPN Identifier.						
	detail	Displays detailed information.						
Command Default	None							
Command Modes	EXEC							
Command History	<table border="1"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>Release 6.1.21</td> <td>This command was introduced.</td> </tr> <tr> <td>Release 25.1.1</td> <td>The command output is enhanced to display the path version.</td> </tr> </tbody> </table>	Release	Modification	Release 6.1.21	This command was introduced.	Release 25.1.1	The command output is enhanced to display the path version.	
Release	Modification							
Release 6.1.21	This command was introduced.							
Release 25.1.1	The command output is enhanced to display the path version.							
Usage Guidelines	No specific guidelines impact the use of this command.							
Task ID	<table border="1"> <thead> <tr> <th>Task ID</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>l2vpn</td> <td>read</td> </tr> </tbody> </table>	Task ID	Operation	l2vpn	read			
Task ID	Operation							
l2vpn	read							

Example

This sample output shows the EVPN internal label associated configuration information.

```
Router# show evpn internal-label vpn-id 15 tag 60 detail
```

VPN-ID	Encap	Ethernet Segment Id	EtherTag	Label
15	MPLS	0001.0001.0001.1101.0011	60	28665
Multi-paths resolved: TRUE (Remote port-active)				
Multi-paths Internal label: 28665				
EAD/ES (ID:0x00000000000014c0)				
(P) 192.168.0.3				
EAD/EVI (ID:0x00000000000014bf)				
(P) SR-TE BSID 28470				
Summary pathlist (ID 0x00000000000014c2):				
0x02000009 (P) SR-TE BSID 28470				

From Release 25.1.1, the command output displays path version.

```
Router# show evpn internal-label vpn-id 15 tag 60 detail
```

VPN-ID	Encap	Ethernet Segment Id	EtherTag	Label
15	MPLS	0001.0001.0001.1101.0011	60	28665
		Multi-paths resolved: TRUE (Remote port-active)		
		Multi-paths Internal label: 28665		
		EAD/ES (ID:0x00000000000014c0)		
		(P) 192.168.0.3		0
		Path Version:2, Originating PE:::		
		EAD/EVI (ID:0x00000000000014bf)		
		(P) SR-TE BSID 28470		
		Summary pathlist (ID 0x00000000000014c2) :		
		0x02000009 (P) SR-TE BSID 28470		

show evpn summary

show evpn summary

To display the EVPN summary, use the **show evpn summary** command in the EXEC mode.

show evpn summary[location | private | standby]

Syntax Description	location Displays location specific information. private Displays private information. standby Displays standby node specific information.				
Command Default	None.				
Command Modes	EXEC				
Command History	<table border="1"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>Release 7.11.1</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Release	Modification	Release 7.11.1	This command was introduced.
Release	Modification				
Release 7.11.1	This command was introduced.				
Usage Guidelines	No specific guidelines impact the use of this command.				
Task ID	<table border="1"> <thead> <tr> <th>Task ID</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>l2vpn</td> <td>read</td> </tr> </tbody> </table>	Task ID	Operation	l2vpn	read
Task ID	Operation				
l2vpn	read				

Example

This sample output shows the EVPN summary:

```
Router#show evpn summary
-----
Global Information
-----
Number of EVIs : 1
Number of Local MAC Routes : 1
Number of Remote MAC Routes : 0
Number of Local IMCAST Routes : 0
Number of Remote IMCAST Routes: 0
Number of Internal Labels : 0
Number of ES Entries : 0
BGP Router ID : :::
BGP ASN : Invalid
PBB BSA MAC address : f866.f214.abd7
Global peering timer : 45 seconds
Global recovery timer : 20 seconds
Global programming timer : 1500 microseconds
Global flushagain timer : 60 seconds
-----
High Availability Information
```

```
-----  
BGP EOD : N  
Number of Marked MAC Routes : 0  
Number of Swept MAC Routes : 0  
Number of Marked IMCAST Routes: 0  
Number of Swept IMCAST Routes : 0
```

show evpn summary