



## L2VPN Autodiscovery and Signaling Commands

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This section describes the commands used to configure L2VPN Autodiscovery and Signaling feature.

For detailed information about concepts and configuration, see the *Configure L2VPN Autodiscovery and Signaling* chapter in the *L2VPN and Ethernet Services Configuration Guide for Cisco NCS 5000 Series Routers*.

- [autodiscovery bgp, on page 2](#)
- [signaling-protocol, on page 3](#)

# autodiscovery bgp

To enable BGP autodiscovery for the L2VPN service, use the **autodiscovery bgp** command in the **vfi** configuration mode for VPLS and **mp2mp** configuration mode for VPWS. To disable BGP autodiscovery, use the **no** form of this command.

## autodiscovery bgp

| <b>Syntax Description</b> | This command has no keywords or arguments.  |         |              |               |                              |
|---------------------------|---|---------|--------------|---------------|------------------------------|
| <b>Command Default</b>    | None.   |         |              |               |                              |
| <b>Command Modes</b>      | VFI configuration mode and mp2mp configuration mode   |         |              |               |                              |
| <b>Command History</b>    | <table border="1"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>Release 6.3.1</td> <td>This command was introduced.</td> </tr> </tbody> </table> | Release | Modification | Release 6.3.1 | This command was introduced. |
| Release                   | Modification  |         |              |               |                              |
| Release 6.3.1             | This command was introduced.  |         |              |               |                              |
| <b>Usage Guidelines</b>   | No specific guidelines impact the use of this command.  |         |              |               |                              |
| <b>Task ID</b>            | <table border="1"> <thead> <tr> <th>Task ID</th> <th>Operations</th> </tr> </thead> <tbody> <tr> <td>l2vpn</td> <td>read,<br/>write</td> </tr> </tbody> </table>                        | Task ID | Operations   | l2vpn         | read,<br>write               |
| Task ID                   | Operations  |         |              |               |                              |
| l2vpn                     | read,<br>write  |         |              |               |                              |

## Examples

The following example shows how to enable bgp autodiscovery for VPLS:

```
Router# configure
Router(config)# l2vpn
Router(config-l2vpn)# bridge group EGroup
Router(config-l2vpn-bg)# bridge-domain eastdomain
Router(config-l2vpn-bg-bd)# vfi eastvfi
Router(config-l2vpn-bg-bd-vfi)# autodiscovery bgp
```

The following example shows how to enable bgp autodiscovery for VPWS:

```
Router# configure
Router(config)# l2vpn
Router(config-l2vpn)# xconnect group WGroup
Router(config-l2vpn-xc)# mp2mp westside
Router(config-l2vpn-xc-mp2mp)# vpn-id 100
Router(config-l2vpn-xc-mp2mp)# l2-encapsulation vlan
Router(config-l2vpn-xc-mp2mp)# autodiscovery bgp
```

# signaling-protocol

To enable the preferred signaling protocol for the VFI, use the **signaling-protocol** command in the BGP autodiscovery mode. To return to the default value, use the **no** form of this command.

**signaling-protocol** {**bgp** | **ldp**}

| <b>Syntax Description</b> | <b>bgp</b> Enables BGP protocol signaling.  |         |              |               |                              |
|---------------------------|---|---------|--------------|---------------|------------------------------|
|                           | <b>ldp</b> Enables LDP protocol signaling.  |         |              |               |                              |
| <b>Command Default</b>    | LDP signaling is enabled.   |         |              |               |                              |
| <b>Command Modes</b>      | BGP autodiscovery configuration   |         |              |               |                              |
| <b>Command History</b>    | <table border="1"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>Release 6.3.1</td> <td>This command was introduced.</td> </tr> </tbody> </table> | Release | Modification | Release 6.3.1 | This command was introduced. |
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| Task ID                   | Operations  |         |              |               |                              |
| l2vpn                     | read,<br>write  |         |              |               |                              |

## Examples

This example shows how to enable the preferred signaling-protocol for VPLS:

```
Router# configure
Router(config)# l2vpn
Router(config-l2vpn)# bridge group EGroup
Router(config-l2vpn-bg)# bridge-domain eastdomain
Router(config-l2vpn-bg-bd)# vfi eastvfi
Router(config-l2vpn-bg-bd-vfi)# autodiscovery bgp
Router(config-l2vpn-bg-bd-vfi-ad)#route-target 100:20
Router(config-l2vpn-bg-bd-vfi-ad)#signaling-protocol bgp
```

This example shows how to enable the preferred signaling-protocol for VPWS:

```
Router# configure
Router(config)# l2vpn
Router(config-l2vpn)# xconnect group WGroup
Router(config-l2vpn-xc)# mp2mp westside
Router(config-l2vpn-xc-mp2mp)# vpn-id 100
Router(config-l2vpn-xc-mp2mp)# l2-encapsulation vlan
Router(config-l2vpn-xc-mp2mp)# autodiscovery bgp
Router(config-l2vpn-xc-mp2mp-ad)# route-target 2.2.2.2:100
Router(config-l2vpn-xc-mp2mp-ad)# signaling-protocol ldp
```

