



M Commands

This chapter describes the Cisco NX-OS FabricPath commands that begin with M.

maximum-paths (FabricPath)

To configure the maximum number of paths per destination, use the **maximum-paths** command. To return to the default setting, use the **no** form of this command.

maximum-paths *paths*

no maximum-paths *paths*

| | | |
|---------------------------|--------------|---|
| Syntax Description | <i>paths</i> | Maximum number of paths per destination. The range is from 1 to 16. |
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|-----------------|--------------------------|--|
| Defaults | The default value is 16. | |
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| Command Modes | FabricPath IS-IS configuration mode | |
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|------------------------|----------------|------------------------------|
| Command History | Release | Modification |
| | 5.2(1)N1(1) | This command was introduced. |

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|-------------------------|--|--|
| Usage Guidelines | This command requires an Enhanced Layer 2 license. | |
|-------------------------|--|--|

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|-----------------|--|--|
| Examples | This example shows how to configure the maximum number of paths per destination: | |
|-----------------|--|--|

```
switch# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
switch(config)# fabricpath domain default
switch(config-fabricpath-isis)# topology 1
switch(config-fabricpath-isis-topo)# maximum-paths 1
switch(config-fabricpath-isis-topo)#
```

| | | |
|-------------------------|-----------------------------|------------------------------------|
| Related Commands | Command | Description |
| | show fabricpath isis | Displays FabricPath Layer 2 IS-IS. |

max-lsp-lifetime (FabricPath)

To configure a lifetime for a maximum link-state packet (LSP), use the **max-lsp-lifetime** command. To return to the default setting, use the **no** form of this command.

max-lsp-lifetime *value*

no max-lsp-lifetime *value*

| | | |
|---------------------------|---|--|
| Syntax Description | <i>value</i> | Maximum LSP lifetime in seconds. The range is from 1 to 65535. |
| Command Default | 1200 seconds | |
| Command Modes | FabricPath IS-IS configuration mode | |
| Command History | Release | Modification |
| | 5.2(1)N1(1) | This command was introduced. |
| Usage Guidelines | The maximum LSP lifetime must be greater than the LSP refresh interval. This command requires an Enhanced Layer 2 license. | |
| Examples | This example shows how to set the maximum time that the link-state packets persists to 11,000 seconds: <pre>switch# configure terminal Enter configuration commands, one per line. End with CNTL/Z. switch(config)# fabricpath domain default switch(config-fabricpath-isis)# max-lsp-lifetime 1300 switch(config-fabricpath-isis)#</pre> | |
| Related Commands | Command | Description |
| | show fabricpath isis | Displays FabricPath Layer 2 IS-IS. |

mode (FabricPath)

To configure VLANs as FabricPath VLANs for FabricPath forwarding, use the **mode** command. To remove the FabricPath VLANs, use the **no** form of this command.

mode { **ce** | **fabricpath** }

no mode { **ce** | **fabricpath** }

| Syntax Description | ce | Enables the VLAN as a Classical IEEE 802.1Q Ethernet (CE) VLAN. This is the default VLAN mode. |
|--------------------|-------------------|--|
| | fabricpath | Enables the VLAN as a FabricPath VLAN. |

Command Default The default VLAN mode is **ce**.

Command Modes VLAN configuration mode

| Command History | Release | Modification |
|-----------------|-------------|------------------------------|
| | 5.2(1)N1(1) | This command was introduced. |

Usage Guidelines Ensure that you have enabled the FabricPath feature set.



Note

You must have already created the VLANs before you can set the VLAN mode using FabricPath.

You designate those VLANs that you want to carry FabricPath traffic on the network by configuring them as FabricPath VLANs. By default, all FabricPath VLANs and FabricPath interfaces are added to the default FabricPath topology.

All FabricPath VLANs use conversational learning only if the switch virtual interface (SVI) is not enabled on the VLANs; otherwise, FabricPath VLANs use traditional learning.

Only FabricPath VLANs support conversational learning. CE VLANs support only traditional learning.

This command requires an Enhanced Layer 2 license.

Examples This example shows how to configure a VLAN as a FabricPath VLAN:

```
switch# configure terminal
switch(config)# vlan 5
switch(config-vlan)# mode fabricpath
switch(config-vlan)# exit
```

This example shows how to remove a FabricPath VLAN:

```
switch# configure terminal
switch(config)# vlan 5
```

```
switch(config-vlan)# no mode fabricpath
switch(config-vlan)# exit
switch#
```

Related Commands

| Command | Description |
|---------------------------------------|---|
| feature-set fabricpath | Enables the FabricPath feature set on the switch. |
| show fabricpath topology vlans | Displays information about the FabricPath Intermediate System-to-Intermediate System (IS-IS) topology, including the VLANs in the Layer 2 topology. |

