



B Commands

This chapter describes the Cisco NX-OS Fibre Channel, virtual Fibre Channel, and Fibre Channel over Ethernet (FCoE) commands that begin with B.

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bind

To bind an interface to a virtual Fibre Channel interface, use the **bind** command. To remove the binding of an interface, use the **no** form of this command.

```
bind interface { ethernet chassis-id/slot/port | port-channel channel-no | vethernet veth-num }
```

```
no bind interface { ethernet chassis-id/slot/port | port-channel channel-no | vethernet veth-num }
```

Syntax Description

| | |
|--|--|
| interface | Specifies the interface to bind the virtual Fibre Channel interface. |
| ethernet | Specifies that the virtual Fibre Channel interface be bound to a specified Ethernet interface. |
| <i>chassis-id</i> | Fabric Extender chassis ID. The chassis ID range is from 100 to 199. |
| <i>slot/port</i> | Ethernet interface slot number and port number. The slot number is from 1 to 255 and the port number is from 1 to 128. |
| | Note When you bind an interface to a virtual Fibre Channel interface to enable Fibre Channel over Ethernet (FCoE) traffic on a Cisco Nexus 2232P Fabric Extender, the slot number is 1 and the port number is from 1 to 32. |
| port-channel <i>channel-no</i> | Specifies that the virtual Fibre Channel interface be bound to a specified EtherChannel interface. The EtherChannel number is from 1 to 4096. |
| vethernet <i>veth-num</i> | Specifies that the virtual Fibre Channel interface be bound to a specified virtual Ethernet interface. The virtual Ethernet interface number is from 1 to 1048575. |

Command Default

Disabled

Command Modes

Virtual Fibre Channel interface configuration mode

Command History

| Release | Modification |
|-------------|------------------------------|
| 6.0(2)N1(1) | This command was introduced. |

Usage Guidelines

The Ethernet or EtherChannel interface that you bind to the virtual Fibre Channel interface must be a trunk port.

Before you bind a virtual Fibre Channel interface to a virtual Ethernet interface, you must enable the Cisco Adapter Fabric Extender (Adapter-FEX) on the switch by using the **feature-set virtualization** command.

Examples

This example shows how to bind a virtual Fibre Channel interface 3 to an Ethernet interface:

```
switch# configure terminal
switch(config)# interface ethernet 1/1
```

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```
switch(config-if)# switchport mode trunk
switch(config-if)# exit
switch(config)# interface vfc 3
switch(config-if)# bind interface ethernet 1/1
switch(config-if)#
```

This example shows how to bind a virtual Fibre Channel interface 2 to a virtual Ethernet interface:

```
switch# configure terminal
switch(config)# interface vfc 2
switch(config-if)# bind interface vethernet 100
switch(config-if)# exit
switch(config)# interface vethernet 100
switch(config-if)# bind interface ethernet 101/1/1 channel 5
switch(config-if)#
```

Related Commands

| Command | Description |
|--|---|
| bind (virtual Ethernet interface) | Binds an interface to a virtual Ethernet. |
| fcoe | Enables FCoE traffic on a Fabric Extender. |
| feature-set virtualization | Enables the Cisco Virtual Machine features on the switch. |
| interface vfc | Configures a virtual Fibre Channel interface. |
| show interface vfc | Displays the specified VFC interface, attributes, and status. |

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bind mac-address

To bind a virtual Fibre Channel interface to a MAC address, use the **bind mac-address** command. To remove the binding of an interface, use the **no** form of this command.

bind mac-address *mac-address*

no bind mac-address *mac-address*

| Syntax Description | <i>mac-address</i> MAC address. Use the format EEEE.EEEE.EEEE. | | | | | | |
|---------------------------|---|---------|--------------|----------------------|---|---------------------------|---|
| Command Default | Disabled | | | | | | |
| Command Modes | Virtual Fibre Channel interface configuration mode | | | | | | |
| Command History | <table border="1"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>6.0(2)N1(1)</td> <td>This command was introduced.</td> </tr> </tbody> </table> | Release | Modification | 6.0(2)N1(1) | This command was introduced. | | |
| Release | Modification | | | | | | |
| 6.0(2)N1(1) | This command was introduced. | | | | | | |
| Usage Guidelines | <p>Before you use this command, make sure you enable Fibre Channel over Ethernet (FCoE) N-Port Virtualizer (NPV) on the switch by using the feature fcoe-npv command.</p> <p>This command requires the FCoE NPV license.</p> | | | | | | |
| Examples | <p>This example shows how to bind a virtual Fibre Channel interface 3 to a MAC address:</p> <pre>switch# configure terminal switch(config)# interface vfc 3 switch(config-if)# bind mac-address 0050.3e8d.6400 switch(config-if)#</pre> | | | | | | |
| Related Commands | <table border="1"> <thead> <tr> <th>Command</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>interface vfc</td> <td>Configures a virtual Fibre Channel interface.</td> </tr> <tr> <td>show interface vfc</td> <td>Displays the specified VFC interface, attributes, and status.</td> </tr> </tbody> </table> | Command | Description | interface vfc | Configures a virtual Fibre Channel interface. | show interface vfc | Displays the specified VFC interface, attributes, and status. |
| Command | Description | | | | | | |
| interface vfc | Configures a virtual Fibre Channel interface. | | | | | | |
| show interface vfc | Displays the specified VFC interface, attributes, and status. | | | | | | |