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## **B Commands**

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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

<b>interface</b>	Specifies the interface to bind the virtual Fibre Channel interface.
<b>ethernet</b>	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.
	<b>Note</b> 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.
<b>port-channel</b> <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.
<b>vethernet</b> <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
4.0(0)N1(1a)	This command was introduced.
5.0(2)N1(1)	The <b>bind</b> , <b>description</b> , and <b>shutdown</b> commands were separated from the <b>interface vfc</b> command.
5.1(3)N1(1)	Support for this command was extended to allow binding of a member port of a port channel.  Support for this command was added for the Cisco Adapter Fabric Extender (Adapter-FEX).

### Usage Guidelines

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

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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
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
<b>bind (virtual Ethernet interface)</b>	Binds an interface to a virtual Ethernet.
<b>fcoe</b>	Enables FCoE traffic on a Fabric Extender.
<b>feature-set virtualization</b>	Enables the Cisco Virtual Machine features on the switch.
<b>interface vfc</b>	Configures a virtual Fibre Channel interface.
<b>show interface vfc</b>	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*

<b>Syntax Description</b>	<i>mac-address</i>	MAC address. Use the format EEEE.EEEE.EEEE.
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<b>Command Default</b>	Disabled
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<b>Command Modes</b>	Virtual Fibre Channel interface configuration mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	5.0(3)N2(1)	This command was introduced.

<b>Usage Guidelines</b>	Before you use this command, make sure you enable Fibre Channel over Ethernet (FCoE) N-Port Virtualizer (NPV) on the switch by using the <b>feature fcoe-npv</b> command.
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This command requires the FCoE NPV license.

<b>Examples</b>	This example shows how to bind a virtual Fibre Channel interface 3 to a MAC address:
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```
switch# configure terminal
switch(config)# interface vfc 3
switch(config-if)# bind mac-address 0050.3e8d.6400
switch(config-if)#
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>interface vfc</b>	Configures a virtual Fibre Channel interface.
<b>show interface vfc</b>	Displays the specified VFC interface, attributes, and status.	