



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.

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
5.0(2)N1(1)	This command was introduced.
5.0(2)N1(1)	The bind , description , and shutdown commands were separated from the interface vfc 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.

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
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.

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.
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Command Default

Disabled

Command Modes

Virtual Fibre Channel interface configuration mode

Command History

Release	Modification
5.0(3)N2(1)	This command was introduced.

Usage Guidelines

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.

This command requires the FCoE NPV license.

Examples

This example shows how to bind a virtual Fibre Channel interface 3 to a MAC address:

```
switch# configure terminal
switch(config)# interface vfc 3
switch(config-if)# bind mac-address 0050.3e8d.6400
switch(config-if)#
```

Related Commands

Command	Description
interface vfc	Configures a virtual Fibre Channel interface.
show interface vfc	Displays the specified VFC interface, attributes, and status.