Show Commands

show fcoe

To display the status of Fibre Channel over Ethernet (FCoE) parameters on the switch, use the **show fcoe** command.

show fcoe

Syntax Description

This command has no keywords or arguments.

Command Default

None.

Command Modes

EXEC mode.

Command History

Release	Modification
5.2(1)	This command was introduced on the Cisco Nexus 7000 and MDS 9500 Series Switches.

Usage Guidelines

None

Examples

This example shows how to display the FCoE status:

```
switch# show fcoe
Global FCF details
FCF-MAC is 00:0d:ec:a3:9d:80
FC-MAP is 0e:fc:00
FCF Priority is 128
FKA Advertisement period for FCF is 8 seconds
```

Related Commands

Command	Description
fcoe fcf-priority	Configures the FCoE Initialization Protocol (FIP) priority value.
fcoe fcmap	Configures the FCoE MAC Address Prefix (FC MAP) used to associate the FCoE node (ENode).
fcoe fka-adv-period	Configures the time interval at which FIP keepalive (FKA) messages are transmitted to the MAC address of the ENode.
show fcoe database	Displays the FCoE database information.

show fcoe database

To display the content of the Fibre Channel over Ethernet (FCoE) database, use the **show fcoe database** command.

show fcoe database

Syntax Description	This command has no arguments or keywords.
Command Default	None.
Command Modes	Interface configuration mode.

Command History

Release	Modification
5.2(1)	This command was introduced on the Cisco Nexus 7000 and MDS 9500 Series Switches.

Usage Guidelines   None

Examples   This example shows how to display the FCoE database:

```
switch# show fcoe database
--------------------------------------------------------------------------------
INTERFACE FCID PORT NAME MAC ADDRESS
--------------------------------------------------------------------------------
vfc3 0x490100 21:00:00:1b:32:0a:e7:b8 00:c0:dd:0e:5f:76Enter configuration commands, one
```

Related Commands

Command	Description
fcoe vsan	Maps a FCoE VLAN to a VSAN.

show feature-set fcoe

To display information about the Fibre Channel over Ethernet (FCoE) feature set, use the **show feature-set fcoe** command.

show feature-set fcoe

Syntax Description   This command has no arguments or keywords.

Command Default   None.

Command Modes

EXEC mode.

Command History

Release	Modification
5.2(1)	This command was introduced on the Cisco Nexus 7000 and MDS 9500 Series Switches.

Usage Guidelines   None.

Examples   This example shows how to display information about the FCoE feature set:

```
switch# configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
switch(config)# show feature-set fcoe
Feature Set Name     ID       State
-------------------  -------- --------
fcoe                 1        enabled
switch#
```

Related Commands

Command	Description
install feature-set fcoe	Installs FCoE support.
feature-set fcoe	Enables the FCoE feature and all related features.

show interface vfc-port-channel

To displays information about the virtual Fibre Channel (VFC) interfaces bound to port channel interfaces, use the **show interface vfc-port-channel** command.

show interface vfc-port-channel *int-number*

Syntax Description

int-number	Interface number. The range is from 1 to 4096. The range is from 1 to 4095.

Command Default

Default switchport mode for this interface is E.

Command Modes

Interface configuration mode.

Command History

Release	Modification
5.2(1)	This command was introduced on the Cisco Nexus 7000 and MDS 9500 Series Switches.

Usage Guidelines

None

Examples

This example shows how to display information about the VFC interfaces bound to port channel interfaces:

```
switch# configure terminal
switch(config-if)# show interface vfc-port-channel 2
switch(config-if)#
```

Related Commands

Command	Description
fcoe vsan	Maps a FCoE VLAN to a VSAN.

show vdc fcoe-vlan-range

To display the Fibre Channel over Ethernet (FCoE) VLAN range on a virtual device context (VDC), use the **show vdc fcoe-vlan-range** command.

show vdc fcoe-vlan-range

Syntax Description   This command has no arguments or keywords.

Command Default   None

Command Modes

Any command mode

Command History

Release	Modification
5.2(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to display the FCoE VLAN range on the current VDC:

```
switch# show vdc fcoe-vlan-range
Storage VDC: 2
switch#
```

Related Commands

Command	Description
show vdc shared membership	Displays the shared interfaces on a VDC.

show vdc shared membership

To display the shared interfaces on a virtual device context (VDC), use the **show vdc shared membership** command.

show vdc shared membership

Syntax Description

This command has no arguments or keywords.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
5.2(1)	This command was introduced on the Cisco Nexus 7000 Series Switches.

Usage Guidelines

This command does not require a license.

Note

FCoE operates ONLY on F Series cards, so allocate interfaces only on that card to shared (You can also reference the VDC Config Guide for them to see which ports have to go to a VDC together, so can allocated to FCoE VLAN and shared.

Examples

This example shows how to display the shared interfaces on the VDC:

```
sitch# configure terminal
switch(config)# show vdc shared membership
vdc_id: 1 vdc_name: switch interfaces:
vdc_id: 2 vdc_name: fcoe interfaces:
vdc_id: 3 vdc_name: vdc1 interfaces:
switch#
```

Related Commands

Command	Description
show vdc membership	Displays the VDC interface membership information.

show vsan

To display information about a configured virtual SAN (VSAN), use the **show vsan** command.

show vsan [*vsan-id*] [**membership**]

Syntax Description	*vsan-id*	(Optional) Information for the specified VSAN ID. The range is from 1 to 4094.
	membership	(Optional) Displays the membership information.

Command Default   None.

Command Modes

EXEC mode.

Command History

Release	Modification
5.2(1)	This command was introduced on the Cisco Nexus 7000 Series Switches.
4.0(1)	This command was introduced on the Cisco MDS 9000 MDS 9000 Series Switches.

Usage Guidelines   When you enter the **show vsan membership interface** command, interface information appears for interfaces that are configured in this VSAN.

The interface range must be in ascending order and nonoverlapping. You can specify a range using a hyphen and several interfaces using commas.

The interface range format for a Fibre Channel interface range is:

fcslot/port - port, fcslot/port, fcslot/port:

For example:

```
show int vfc2/1 - 3 , vfc2/4 , vfc3/2
```

Examples   This example shows how to display the configured VSAN information:

```
switch# show vsan 1
vsan 1 information
        name:VSAN0001   state:active
        interoperability mode:default
        loadbalancing:src-id/dst-id/oxid
        operational state:up
switch#
```

This example shows how to display the membership information for the VSAN:

```
switch# show vsan 2 membership
vsan 2 interfaces
vfc 4
switch#
```

Related Commands

Command	Description
vsan	Configures a VSAN.

show vlan fcoe

To display information about the Fibre Channel over Ethernet (FCoE) VLAN to virtual SAN (VSAN) mappings, use the **show vlan fcoe** command.

show vlan fcoe

| **Syntax Description** | This command has no arguments or keywords. |

Command Default   None.

Command Modes

EXEC mode.

network-adminvdc-admin

Command History

Release	Modification
5.2(1)	This command was introduced on the Cisco Nexus 7000 and MDS 9500 Series Switches.

Usage Guidelines   None. FCoE only works on F Series modules in the N7K.

Examples

This example shows how to display the FCoE VLAN-to-VSAN mappings on the switch:

```
switch# show vlan fcoe

VLAN      VSAN      Status
--------  --------  --------
331       331       Operational
332       332       Operational
333       333       Operational
334       334       Operational
335       335       Non-operational
336       336       Operational
337       337       Operational
switch#
```

Related Commands

Command	Description
fcoe vsan	Maps a FCoE VLAN to a VSAN.

show interface vfc

To display the configuration information of virtual Fibre Channel (VFC) interfaces, use the **show interface vfc** command.

show interface vfc *vfc-id*

Syntax Description

vfc-id	Virtual Fibre Channel interface ID. The range is from 1 to 8192.

Command Default

None.

Command Modes

EXEC mode.

Command History

Release	Modification
5.2(1)	This command was introduced on the Cisco Nexus 7000 and MDS 9500 Series Switches.

Usage Guidelines

None

Examples

This example shows how to display the configuration information for a specified VFC interface:

```
switch# show interface vfc 3
vfc3 is up
Bound interface is Ethernet1/37
Hardware is Virtual Fibre Channel
Port WWN is 20:02:00:0d:ec:6d:95:3f
Admin port mode is F, trunk mode is on
snmp link state traps are enabled
Port mode is F, FCID is 0x490100
Port vsan is 931
1 minute input rate 0 bits/sec, 0 bytes/sec, 0 frames/sec
1 minute output rate 0 bits/sec, 0 bytes/sec, 0 frames/sec
0 frames input, 0 bytes
0 discards, 0 errors
0 frames output, 0 bytes
0 discards, 0 errors
Interface last changed at Thu May 21 04:44:42 2009
```

Related Commands

Command	Description
interface vfc	Configures a virtual Fibre Channel interface.

show interface vfc