

How to connect the FC interface



Article Overview

To connect an FC interface, configure the port mode, connect the cable to the target or host, and create a logical interface (LIF) if required.

Steps to Connect an FC Interface

1. Determine the Connection Type

- Direct-Attach: Connect the host directly to the FC port on the storage system. This is supported on NetApp AFF, ASA, ASA r2, and FAS systems without requiring an FC switch .
 - Fabric Connection: Connect through an FC SAN using FC switches, which allows multiple servers and storage devices to communicate .
- #### 2. Configure the FC Port
- Set the port mode:
 - Target mode for storage ports connecting to host initiators.
 - Initiator mode for connecting to tape drives or third-party storage (not supported for NVMe/FC), .
- #### 3. Connect the Cable
- For direct-attach, take the port offline and change the topology to Direct in System Manager, then save the configuration .
 - Configure port speed to match the connected device rather than using autonegotiation to reduce reconnection delays .
- #### 4. Create a Logical Interface (LIF)...
- Use the appropriate FC cable to connect the storage target port to the host initiator or switch port.
 - Ensure the cable is compatible with the port type and speed.

Article Content

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How do I connect a Fibre Channel drive to my desktop PC?

How do I connect a Fibre Channel drive to my desktop PC? Installing a Fibre Channel drive in a PC is not recommended, but this

Feb 07, 2026

Configuring Fibre Channel Interfaces

For each of the FCF connected Ethernet interfaces you must create and bind an vFC interface to the Ethernet interface. Configure

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Fiber Connector Types: A Complete Guide (2024)

A fiber connector is a precise coupling device to join fiber cables quickly. This guide introduces LC, SC, FC, ST, MPO,

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Understanding Fibre Channel | Junos OS | Juniper Networks

When FC switches support FCoE, they present virtual FC interfaces in the form of virtual F_Ports (VF_Ports) to the

Jan 27, 2026

Configuring an FC Interface

Before configuring an FC interface, connect an FC optical module to the FC interface. If the LINK indicator is steady green, the FC

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Fibre Channel

FC-4 - Defines the application interfaces that can execute over Fibre Channel. It specifies the mapping rules of upper

May 22, 2026

What is Fibre Channel? History, layers, components and design

Since then, two more related standards have emerged: Fibre Channel Physical Interface (FC-PI). This describes the

Nov 04, 2025

How do i set up a Fibre Channel HBA adapter as a network device?

A Fibre Channel HBA is a network interface (for a Fibre Channel network/fabric), as well as a host adapter. However,

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What is a Fibre Channel switch? | Definition from TechTarget

A Fibre Channel (FC) switch is a networking device that's compatible with the FC protocol and designed for use in a

Feb 20, 2026

Fibre Channel Routing Concepts

Fibre Channel route (FC Router) A switch running the FC-FC routing service. Refer to Supported Platforms for FC-FC Routing for the

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Example: Setting Up Fibre Channel and FCoE VLAN Interfaces in an

Multiple FC fabrics on the FCoE-FC gateway can connect to the same FC switch, but they must use different FC interfaces and

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SAN provisioning with FC

You should be aware of the important concepts that are required to understand how ONTAP implements an FC SAN.

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Fibre Channel Interfaces

Fibre Channel can be implemented in the form of a continuous arbitrated loop (FCAL) that can have hundreds of separate storage

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Cisco MDS 9000 Series Interfaces Configuration Guide, Release 9.x

FEC on Cisco MDS 9000 Series switches should be disabled on 16 Gbps links. Ensure that enough buffer credits are

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Understanding Interfaces on an FCoE-FC Gateway

You can configure up to 12 FC fabrics on a gateway, but each FC fabric must use different native FC interfaces to

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Chapter 11. Configuring Fibre Channel over Ethernet

Based on the IEEE T11 FC-BB-5 standard, Fibre Channel over Ethernet (FCoE) is a protocol to transmit Fibre Channel frames over

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Configuring a Physical Fibre Channel Interface

Native FC interfaces connect to the storage area network (SAN) FC switch. You can configure ports xe-0/0/0 through

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Fibre Channel over Ethernet (FCoE) Configuration Overview on Red

There will be only one Ethernet interface in use for the FCoE connection in this article. If you want to add more than one interface,

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How to Fix Flight Controller Driver Issues — Can't Connect to ...

Having trouble connecting your FC to a computer, or flashing FC firmware? Very often it's an issue with flight controller

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Configuring an FC Interface

Configuring an FC Interface Before configuring an FC interface, connect an FC optical module to the FC interface. If the LINK

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Inside a Modern Fibre Channel Architecture - Part 1

FC-0 the physical interface (FC-0) consists of transmission media, transmitters, and receivers and their interfaces

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Understanding an FCoE-FC Gateway | Junos OS | Juniper Networks

At least one FCoE VLAN interface (Layer 3 VLAN interface) that includes one or more 10-Gigabit Ethernet interfaces connected to

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Configure FC adapters

Configure FC adapters for direct-attachment to FC and FC-NVMe hosts Beginning with ONTAP 9.19.1, an FC switch is not required

Jun 28, 2026

Understanding Fibre Channel Terminology

Disabling Storm Control on FCoE Interfaces on an FCoE-FC Gateway Understanding Load Balancing in an FCoE-FC

Contact Us

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