

How to connect the FC interface to the network



AI Overview

To connect an FC interface to a network, configure the port topology, create a logical interface (LIF), and ensure proper cabling and speed settings for either direct-attach or SAN fabric connections.

Direct-Attach Configuration Take the FC port offline and modify its topology to direct-attach mode in your storage system management interface (e.g., NetApp System Manager) by selecting the port and editing its topology to "Direct" and confirming the offline change. Connect the cable from the FC port directly to the host initiator. Create a LIF (Logical Interface) for the port: Select the FC or NVMe/FC protocol. Assign a name or accept the default. Choose a subnet if available, or manually specify an IP address and subnet mask. Select the home port and save the configuration. The port comes online automatically once the LIF is created. Verify the topology in the management interface to ensure it is set to Direct.

SAN Fabric Connection Choose the network type: Point-to-point: Direct connection between a server and a storage device. Arbitrated loop: Supports up to 126 devices. Switched fabric: Connects multiple servers and storage devices through FC switches, supporting thousands of nodes. Configure the FC switch: Assign domain IDs, area IDs, and port IDs for each N_Port. Ensure WWNs (World Wide Names) are correctly registered for each node. Configure port speed and buffer credits according to distance and frame size requirements. Connect servers and storage devices to the FC switch using the appropriate FC cables. Verify connectivity using commands like `show interface` to confirm port speed, state, and FC-ID assignments.

FCoE Integration (Optional) Set up an FCoE VLAN dedicated to storage traffic to prevent mixing with standard Ethernet traffic. Configure the FCoE-FC gateway: Connect FCoE devices to the VLAN interface. Connect the gateway to the FC switch using native FC interfaces...

Article Content

Solved: Directly connect FC a host

Solved: We have a FAS2720 netapp that has 2 controllers and 2 ports for each FC controller. We have connected the FC ports directly to some servers.

Commands for managing FC adapters

You can use FC commands to manage FC target adapters, FC initiator adapters, and onboard FC adapters for your storage controller. The same commands are used to manage FC adapters for the

Setting up a wireless network in Windows | Microsoft Support

Windows 11 Windows 10 A wireless network at home lets you get online from more places in your house. This article describes the basic steps for setting up a wireless network and starting to use it.

Windows PowerShell Commands for Wi-Fi and WLANs

Below is a clean, technician-focused list of the Windows PowerShell commands used for Wi-Fi and WLAN troubleshooting, organized by function. This aligns well with broadband-tech

CAN Bus Explained

Need a simple, practical intro to CAN bus? In this tutorial we explain the Controller Area Network (CAN bus) for beginners, incl. the CAN frame, higher-layer

[Wireless Router] How do I enter my ASUS router's

This article describes how to connect to ASUS router using a browser (Web GUI). A1. The device is wireless connect to the router, please refer

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 xe-0/0/5 as fc-0/0/0 through fc-0/0/5, and ports xe-0/0/42 through xe-0/0/47 as fc

How do I connect to this localhost from another

I'm currently working on a project and I would like to test it out on two laptops at home where one laptop connects to the localhost on the other. I am

What is the "EA unable to connect to FC 26" and how to

Learn how to fix EA unable to connect FC 26 errors, why FC 26 keeps losing connection, and what to do when servers will not load.

Wiley Online Library

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

VLAN Configuration Commands Step by Step Explained

This tutorial explains VLAN configuration commands. Learn how to configure, test, and verify VLANs on Cisco switches.

How to Connect to FTP Servers in Windows (Without

Windows File Explorer allows you to connect to FTP servers by adding a network location and entering the server address, username, and

What is the loopback device and how do I use it?

The loopback device is a special, virtual network interface that your computer uses to communicate with itself. It is used mainly for diagnostics and

How To Log In to Your Router

Here's how to log in to your router to change your Wi-Fi password or network name, or to access other Wi-Fi network settings.

Configuring Fibre Channel Interfaces

The Fibre Channel interfaces are supported on optional expansion modules. The Fibre Channel plus Ethernet expansion module contains four Fibre Channel interfaces. Each Fibre Channel port can be

Cast Receiver

6. After connecting successfully, choose "Videos" or "Music" function from the main interface of the sender app (TV Cast) to cast videos or music to

Fundamentals of Fibre Channel

With the fabric topology, many connections can be active at a time. The any-to-any connection service and peer-peer communication service provided by a fabric is fundamental to fibre

Fibre Channel

FC topologies and port types: This diagram shows how N_Ports can be connected to a fabric or to another N_Port. A Loop Port (L_Port) communicates through a shared loop and is rarely used anymore.

Understanding Fibre Channel | Junos OS | Juniper Networks

An FC fabric is a switched network topology that interconnects FC devices using FC switches, usually to create a SAN. An FC switch is a Layer 3 network switch that is compatible with

Elements of Computer Network

The medium affects the speed, cost, and reliability of the network. Network Interface Card (NIC) Each device on a network needs a Network

Cisco Meraki Local Status Page: Overview

For all other devices, the local status page can be accessed by IP after enabling remote device status pages on the Network-wide > Configure > General page. This allows you to connect to

3 Ways to See Who Is Connected to Your Wireless

See Who Is Connected to Your Wi-Fi Network Log in to your router's web interface to find a list of connected devices. On a PC or Mac, open

How to Find My IP Address

In the Status window, click the Details button. In the Network Connection Details window, all your network information is displayed. Windows

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

Learn more about how Cisco is using Inclusive Language. This chapter provides information about Fibre Channel interfaces, its features, and how to configure the Fibre Channel

How to use TeamViewer on PC

TeamViewer is a Remote Access & Remote Control software for Windows 11/10. Learn how to use TeamViewer on PC safely.

Set up a NAT network | Microsoft Learn

Learn how to create a network address translation (NAT) virtual network using PowerShell, and then connect a virtual machine.

How to Find Any Device's IP Address, MAC Address,

Every network-connected device — computers, smartphones, tablets, smart home gadgets, and more — has an IP address and a unique MAC

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