

Direct connection to Fibre Channel card



Overview

To access your LUNs using Fibre Channel, you must install Fibre Channel adapters on your Synology NAS. So my questions are: Can we directly connect the SAN to the server HBA and skip on the switches?

Will we still be able to use vMotion and High Availability using. Fibre Channel (FC) is a high-speed data transfer protocol providing in-order, lossless delivery of raw block data. Fibre Channel is primarily used to connect computer data storage to servers in storage area networks (SAN) in commercial data centers. Fibre Channel networks form a. There are two ways to achieve direct access to FlashArray from a VM in Hyper-V: use iSCSI or use the virtual fiber channel capabilities built into Hyper-V. To configure this, there are two tasks: configure the Virtual SAN at the host layer and then ensure that the VM has the proper configuration. Someone use this solution ?

Any issues ?

Thx a lot ! No issues, PowerStore FC direct attached You can do it with all the big ones. Dell / NetApp / Pure / etc, it's more common to be able to do. A storage system is a node in a Fibre Channel network. Each port attaches to a serial-transmission medium that provides duplex communication with the node at the other. In preparation for configuring your Fibre Channel SAN and setting up the system, review the requirements and recommendations. For an up-to-date list, see the VMware Compatibility Guide.



Article Content

Feb 06, 2026

Fibre Channel Cabling

Structured connectivity in Fibre Channel environments allows for rapid connection and cabling management of switches to servers and storage and enables data centers to plan for

Jun 26, 2026

QXP-16G2FC | Add QNAP NAS to your existing Fibre

Common Fibre Channel SAN (Storage Area Networks) are closed network environments, and their devices are often expensive while lacking deployment

May 13, 2026

Fibre Channel Connectivity

Fibre Channel links may span over 10 kilometers at billions of bits per second or Gigabits/second (Gb/s). This paper will focus on the most common types of links in SANs. The Fibre Channel Industry

Sep 17, 2025

QTS Fibre Channel Getting Started Guide

2. Introduction Fibre Channel with QTS is a reliable, scalable and budget-friendly Storage Area Network (SAN) solution. By installing one or more Fibre Channel cards into your QNAP NAS, you can easily

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Scenario 6: Connect MX9116n FSE to Fibre Channel

This chapter discusses a method for connecting an FC storage array directly to the MX9116n FSE. On PowerEdge MX platform, the difference between configuring

Mar 10, 2026

Fiber channel direct attached : r/storage

I've used quite a few systems in direct attach. Most array will document if they support direct attach or not. The only major issues I've personally observed are; 1. A hardware fault on the array can have a

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Fibre Channel | SAN Manager

To access your LUNs using Fibre Channel, you must install Fibre Channel adapters on your Synology NAS. For a list of Synology NAS models that support Fibre Channel and compatible Fibre Channel

Nov 05, 2025

Introduction to Fibre Channel: Background and Requirements

In their favor, the 8000 series use GBICs for their connection; this is very convenient for connections to disks. One can use a DB9 or HSSDC copper connector and go direct to the t-card or chassis.

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Fibre Channel Fundamentals

Using the Fibre Channel standards as guidelines, many companies have developed or are developing products that provide Fibre Channel connectivity and devices that communicate over Fibre Channel.

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Reliable, scalable and affordable FC SAN storage

QNAP NAS supports Fibre Channel SAN QNAP NAS supports Fibre Channel SAN A reliable, scalable and budget-friendly SAN storage solution By installing a Fibre

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Fibre Channel

Fibre channel does not have a regular topology such as in Token Ring or FDDI but uses instead a "fabric" which all users can attach to. Fibre channel can thus work point to point between

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HBA FC direct connection : r/storage

i have them point to point connected via an FC patch cable AB to BA. for simplicity i will explain the setup of the two servers by reffering to them as TOWER and RACK. # documentation directory for an

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Fibre Channel

Fibre Channel (FC) is a high-speed data transfer protocol providing in-order, lossless delivery of raw block data. Fibre Channel is primarily used to connect

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Fundamentals of Fibre Channel

Fibre Channel is a high-speed network technology used to connect server to data storage area network. It handles high performance of disk storage

Jun 22, 2026

Can you connect a SAN directly to a HBA with Fibre Channel?

The SAN we are looking at (HP MSA 2040) comes with 8 fibre channel ports, and we will only require 6 total (2 per ESXi server * 3). So my questions are: Can we directly connect the SAN to

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Fibre Channel architecture

The storage system supports increased connectivity with the use of Fibre Channel (SCSI-FCP and FICON®) directors. Specific details on status, availability, and configuration options that are

Oct 30, 2025

Fundamentals of Fibre Channel

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

Oct 23, 2025

Virtual Fibre Channel Best Practices

There are two ways to achieve direct access to FlashArray from a VM in Hyper-V: use iSCSI or use the virtual fiber channel capabilities built into Hyper-V. To configure this, there are two

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QNAP Fibre Channel Expansion Card | QNAPWorks

QNAP introduces dual-port 16Gb/32Gb Fibre Channel expansion cards that feature high performance, reliability, security, and energy efficient Fibre Channel.

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Virtual Fibre Channel Best Practices

Under Create Virtual Fibre Channel Storage Area Network, ensure Virtual Fibre Channel SAN is selected and click Create. Under New Fibre Channel SAN, enter a name for this direct

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Can you connect a SAN directly to a HBA with Fibre Channel?

You would connect your HBAs on the servers to each of the two controllers on the MSA. The MSA2040 was designed for this, and this is a fully supported cabling and VMware host design.

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Direct connection between two Fibre Channel HBAs

Direct connection between two Fibre Channel HBAs - what cable is required? Davidoff
Aug 5, 2013 Jump to latest Follow Reply

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Fibre Channel

OverviewMedia and modulesEtymologyHistoryCharacteristicsTopologiesLayersPorts

The Fibre Channel physical layer is based on serial connections that use fiber optics to copper between corresponding pluggable modules. The modules may have a single lane, dual lanes or quad lanes that correspond to the SFP, SFP-DD and QSFP form factors. Fibre Channel does not use 8- or 16-lane modules (like CFP8, QSFP-DD, or COBO used in 400GbE) and there are no plans to use these expensive and comple

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Setting Up ESXi Fibre Channel Environment

The FCoE protocol encapsulates Fibre Channel frames into Ethernet frames. As a result, your host does not need special Fibre Channel links to connect to Fibre Channel storage.

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Fibre Channel | DSM UC

Fibre Channel To start using Fibre Channel to access your LUNs, you will need to install Fibre Channel adapters on the controllers. Please go to our official website for the list of supported models and

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How To Add Fibre Channel (FC) Host to PowerStore

In this article, we will see how to add fibre channel host to PowerStore using the PowerStore manager. There are some guidelines and

Nov 14, 2025

How to Create Fibre Channel Direct Attached Uplinks for ...

This video will demonstrate Creation procedure of a Fibre Channel Direct Attached Uplinks for SmartFabric Deployment.

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Hyper-V Virtual Fibre Channel

Hyper-V provides Fibre Channel ports within guest operating systems (OSes) that let you connect to Fibre Channel directly from your virtual machines (VMs). This feature lets you virtualize

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