

Enable port npiv on the fiber optic switch



Overview

Use feature npv command to enable NPV. All end devices connected to a switch that is in NPV mode must log in as an N port to use this feature (loop-attached devices are not supported). This table lists the New and Changed features. New and Changed Features NPV load balancing scheme is enhanced to propose a mapping of server interfaces to external interfaces based on. The N-Port Virtualizer feature allows the blade switch or top-of-rack fabric device to behave as an NPIV-based host bus adapter (HBA) to the core Fibre Channel director. Vsan 1 is up, FCID is 0xef0000 Vsan 2 is up, FCID is 0xef0000 This example shows how to configure trunking and bring up the TF-TNP link between an F port in the NPIV core switch and an NP port in the NPV. The NPIV feature is enabled by default. You can set the number of virtual N_Port IDs per port to a value from 1 through 255 per port. portcfgnpivport [<slot> /<port> {0 | 1} portcfgnpivport {--enable |. NPIV is an industry standard technology that provides the capability to assign a physical Fibre Channel adapter to multiple unique world wide port names (WWPN). To access physical storage from a SAN, the physical storage is mapped to logical units (LUNs) and the LUNs are mapped to the ports of.

Article Content

Dec 07, 2025

Configuring N Port Virtualization

N port identifier virtualization (NPIV) provides a means to assign multiple FC IDs to a single N port. This feature allows multiple

Nov 03, 2025

portCfgNPIVPort

Changes made by this command are persistent across switch reboots and power cycles. N_Port ID Virtualization (NPIV) enables a

Mar 08, 2026

N_Port ID Virtualization support requirements

N_Port ID Virtualization (NPIV) must be configured for VMware. NPIV is an extension to the Fibre Channel industry standard. In a

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Understanding NPV and NPIV

NPV enabled switches don't get assigned a Domain ID since they aren't technically manageable as a switch within the

Jun 12, 2026

How Do I Query and Configure the NPIV Function of Switches?

On a Fibre Channel switch-based network, the NPIV function must be enabled on Fibre Channel switches. How do I

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How Do I Query and Configure the NPIV Function of Switches?

Answer On Brocade Fibre Channel series switches, NPIV is enabled by default. Run the portcfgshow command to query

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Configuring NPIV

command specifies the maximum number of virtual N_port IDs per port on a switch. It can also enable or disable NPIV. When NPIV

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Cisco MDS 9000 Series Interfaces Configuration Guide, Release 8.x

NPIV switches connected to NPV switches must have the NPIV feature enabled. For information on the number of

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Enable Npiv on the MDS core switch | Cisco Systems

This example shows how to configure trunking and bring up the TF-TNP link between an F port in the NPIV core switch and an NP

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N-Port Identifier Virtualization (NPIV) and N-Port ...

The N-Port Virtualizer feature allows the blade switch or top-of-rack fabric device to behave as an NPIV-based host

Jan 28, 2026

PowerVM NPIV / IBM Switch Configuration

What is NPIV? NPIV is an industry standard technology that provides the capability to assign a physical Fibre Channel adapter to

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Configuring NPIV Ports

Configuring NPIV Ports N_Port ID Virtualization (NPIV) enables a single FC port to appear as multiple, distinct ports, providing

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Cisco Nexus 7000 Series NX-OS SAN Switching Configuration Guide 6.x

N port identifier virtualization (NPIV) provides a means to assign multiple FC IDs to a single N port. This feature allows multiple

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How Do I Query and Configure the NPIV Function of Switches?

On a Fibre Channel switch network, NPIV must be enabled on Fibre Channel switches. How do I query and configure NPIV of

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Cisco MDS 9000 Series Interfaces Configuration Guide,

NPV addresses the increase in the number of domain IDs needed to deploy a large number

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Configuring NPIV

When NPIV is enabled on the port, you can specify the number of logins per port. If the NPIV feature has been disabled, the NPIV

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Cisco Nexus 7000 Series NX-OS SAN Switching Configuration Guide

Information About N Port Identifier Virtualization N port identifier virtualization (NPIV) provides a means to assign

Jun 02, 2026

Switch Configuration

N Port virtualization (NPV) reduces the number of Fibre Channel domain IDs in SANs. Switches operating in the NPV mode do not

Aug 23, 2025

Cisco Nexus 5000 Series NX-OS Software Configuration Guide

This chapter describes how to configure N port virtualization (NPV) on Cisco Nexus 5000 Series switches. This

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Cisco MDS 9000 Family NX-OS Interfaces Configuration Guide

To configure NPV using the CLI, perform the following tasks: ... Cisco MDS 9000 Family NX-OS Interfaces Configuration Guide OL

Jul 15, 2026

Lab 4-2: Configuring Cisco NPV Mode and NPIV

In this activity, you will configure the Cisco Nexus 5000 Series Switch in Cisco NPV mode and the Cisco MDS 9100 Series Switch for

Jun 13, 2026

N-Port Virtualization Troubleshooting Guide | PDF | Network Switch ...

The document provides troubleshooting information for N-Port Virtualization (NPV) including best practices, an initial troubleshooting

Feb 12, 2026

Advanced configuration of Hyper-V

NPIV-enabled Fibre Channel adapter NPIV-enabled Fibre Channel switch Fibre Channel HBA Manager and Agent with V-Port

Oct 04, 2025

portCfgNPIVPort

Enables or disables N_Port ID virtualization (NPIV) functionality on a port and sets the per-port login limit.

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portCfgNPIVPort

Use the portCfgShow command to determine whether NPIV is enabled on a port and to display the maximum logins

Contact Us

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