

Article Overview

You can view Fibre Channel switch ports and their associated WWNs using either the switch's graphical interface or CLI commands, which display port status, speed, and connected device information.

Using a Graphical Interface

Most Fibre Channel switches provide a graphical or table view of ports:

- o Navigate to the Fibre Channel switch tile in the management interface.
- o Click Ports to display all ports in either Table or Graph view.
- o Each port entry typically shows:
 - o Port ID and status (online/offline)
 - o Speed (automatic negotiation or fixed Gbps)
 - o Connected device WWN (World Wide Name of initiators or targets)
 - o Connected host IP and controller port ID
 - o Storage serial number and subscriber ID if applicable
- o Clicking a port provides detailed information about the connected device and its WWN .

Using CLI Commands (Cisco Example)

For Cisco MDS or Nexus switches, you can use show commands to retrieve port and WWN information:

- o show interface fcX/Y - Displays operational state, speed, and optical module details.
- o show flogi database - Lists logged-in Fibre Channel devices with WWPN (World Wide Port Name) and WWNN (World Wide Node Name) .
- o show zone or show vsan - Displays zoning information and ports associated with each VSAN.
- o show fabric binding - Shows registered WWPNs and their associated FCIDs .
- o show device-alias - Displays device aliases mapped to WWNs for easier identification .

Understanding WWN Formats

- o WWN is a 16-digit hexadecimal identifier (e.g., xx:xx:xx:xx:xx:xx:xx:xx).
- o Some interfaces allow nicknames for WWNs, which replace the raw WWN in the display for easier recognition .
- o WWNs are used for port binding, zoning, and fabric management, ensuring persistent identification of devices across the network .

View port of fiber optic switch wwn

Best Practices

- o Verify that all ports are online and connected devices are recognized.
- o Use port-level monitoring to check for errors or throughput issues.
- o Maintain a WWN inventory for all connected hosts and storage systems to simplify zoning and troubleshooting.
- o For maintenance, you can block/unblock ports and clean fiber-optic connectors without disrupting the entire fabric .

By combining graphical views and CLI commands, administrators can efficiently monitor, manage, and troubleshoot Fibre Channel switch ports and their WWNs, ensuring proper connectivity and fabric integrity.

Here is a simple PowerShell command that will output the FC host adapter interface WWNs. If your interface have two ports, both will

Fabric port; displays the world wide name (WWN) and name of the attached switch. If the port is configured as an EX_Port, the

Fabric OS allows you to see N_Port ID Virtualization (NPIV) port configuration information using the portcfgshow and switchshow

I'm looking at zoning 2 FC switches which were not zoned when initially implemented for some reason. They are IBM/Brocade

Here's a list of commonly used Cisco MDS Fibre Channel (FC) switch show commands along with their explanations

In storage networking, Fibre Channel zoning is the partitioning of a Fibre Channel fabric into smaller subsets to restrict interference,

Use this command to display the WWN associated with a switch or chassis and to display the factory serial number. The WWN is a

nodeFind Displays all device Name Server (NS) entries matching a given WWN, device PID, or alias.

Hello Guys Can anybody explain how to identify that a host is connected to which particular edge switch and port in a

How to Find the HBA/Fibre Channel Cards, Ports and WWN in Linux Find HBA/Fibre Channel Card

View port of fiber optic switch wwn

installed # lspci

How to check HBA host and its corresponding WWPN? How do I lookup WWN of installed HBAs? How do I locate the world wide

If the topology itself assigns the 24-bit addresses, then somebody has to be responsible for the addressing scheme

However, I'd like to locate which switch an HBA/wwpn is plugged in on a CISCO San. I can do this easily on a

when I log in switch A and run switch show I can find all wwn login to switch A show up on the screen . but in case of I

Viewing NPIV Port Configuration Information Fabric OS allows you to see N_Port ID Virtualization (NPIV) port

You know the WWN, and you wish to find it physically on SAN/switch level. First information you need is the exact location (switch,

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