

Switch Direct Connection Port



AI Overview

A switch direct connection port, commonly called a console port, allows direct management access to a switch using a rollover cable and terminal emulator software. Overview The direct connection port on a network switch, often labeled as "Console," is used for out-of-band management, enabling administrators to configure, troubleshoot, or recover a switch without relying on network connectivity. This port is independent of the switch's LAN or WAN interfaces and provides a text-based interface to the Command-Line Interface (CLI) of the device.

Port Types and Cables

- RJ-45 Console Port:** Most Cisco switches use an 8-pin RJ-45 connector for the console port.
- USB Console Port:** Some modern switches include a mini-B USB console port for direct connection.
- Rollover Cable:** A special cable that reverses pin connections (pin 1 to pin 8, pin 2 to pin 7, etc.) is required to connect the console port to a PC's serial port.
- Adapters:** If your PC lacks a DB-9 serial port, you may need an RJ-45-to-DB-9 adapter or a USB-to-serial adapter to complete the connection.

Connecting to the Switch

- Attach the Rollover Cable:** Connect one end to the switch console port and the other to the PC's serial port or adapter.
- Launch Terminal Emulator Software:** Programs like PuTTY, HyperTerminal, or Symantec Procomm Plus are used to communicate with the switch.
- Configure Terminal Settings:** Default settings are typically 9600 bps, 8 data bits, no parity, 1 stop bit (9600 8N1). Hardware flow control is usually disabled.
- Access CLI:** Once connected, you can perform initial configuration, password setup, firmware updates, or troubleshooting commands.

Additional Notes

- The console port is asynchronous and does not support modem control or hardware flow control in most cases.
- For multiple devices, a console server can centralize access to several switches from a single terminal.
- Always verify the baud rate and terminal settings to ensure proper communication with the switch.
- Using the switch direct connection port is essential for initial setup,...

Article Content

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A compact, 5-port, Layer 2 switch that can be powered with PoE or a 5V USB-C adapter.

Public switched telephone network

Automation introduced pulse dialing between the telephone and the exchange so that each subscriber could directly dial another subscriber connected to the same exchange, but long-distance calling

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AWS has what are called Direct Connect locations. These are simply co-location facilities where AWS has installed its own equipment that is connected networking

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Console Port Cisco Switch Configuration: Step-by-Step

Cisco Switch Console Port In networking, the phrase “console” refers to the basic physical interface used for direct, out-of-band management and

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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.

AWS Direct Connect | Find Locations | Amazon Web

Find AWS Direct Connect locations where you can interconnect your data center, office, or colocation facility directly with AWS, bypassing the internet for

Direct connection of two InfiniBand ports without IB switch

I want to install two ConnectX-6 (VPI) cards in each PC and then connect two infiniband ports directly. When I googling, I've not seen a configuration without an IB switch, so I'd like to know

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Network switch

In the extreme case (i.e., micro-segmentation), each device is directly connected to a switch port dedicated to the device. In contrast to an Ethernet hub, there is a

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Understand how Tailscale connects devices using either direct or relayed connections. Best practice is no upnp. Is tailscale still just a wrapper for

Direct connection vs use of network switch

I'm assuming that the "best" way would be to plug the Cat 6 cables directly into the LAN ports at the back of my router. However, this will look very untidy as, unless I move the router into the...

AWS Direct Connect Technical Deep Dive (IX)

Here is a list of all AWS Direct Connect locations and campus data centres where AWS Direct Connect is accessible using a standard cross

Troubleshoot Switch Port and Interface Problems

This document describes how to determine why a port or interface experiences problems.

AWS Direct Connect: A Field Guide to Private Connectivity Between

When Meridian orders a Direct Connect connection, AWS allocates a physical port on one of these routers. That port is Meridian's dedicated connection to AWS's network backbone.

AWS Direct Connect

The question is: Do we need to physically patch/connect to BOTH AWS ports in order to have a workable Direct Connect service? Its not clear from the AWS documentation if this would be

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