Configuring the serial cable of the core switch



Overview

In this article, we will examine how to make basic settings on HP brand switches and backbone switches. Switch-PC connection can be done in 3 different ways.

Key Takeaways

To configure a core switch via serial console, connect the switch console port to your PC using an RS-232 or RJ-45 console cable, launch a terminal emulator, and set the correct COM port and baud rate.

Hardware Connection

Identify the console port on the switch, usually labeled as CONSOLE or RS-232/RJ-45 on the front or back panel. Connect the console cable: For RJ-45 to serial: Use an RS232-RJ45 cable or a USB-RS232 adapter if your PC lacks a serial port.

For US

B console ports (common on Cisco Catalyst 9300): Connect a USB cable from the PC to the switch. Some switches require installing a USB driver (e.g., Silicon Labs CP2102N) to create a virtual COM port. Power on the switch.

Ensure all power LEDs are steady green to confirm the device is operational.

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Terminal Emulator Setup

Launch a terminal emulator program such as PuTTY, Tera Term, HyperTerminal, or SecureCRT.

Select the CO

M port corresponding to your serial or USB connection. Configure the serial settings: Baud rate: 115200Data bits: 8Parity: NoneStop bits: 1Flow control: None (disable hardware/software flow control) to ensure proper communication. Press Enter to view the switch bootloader or login prompt.

Initial Configuration

If the switch is new, it may have factory default settings with no admin password. Define a manager/admin password to secure access. You can now perform initial configuration via the CLI, including setting IP addresses, VLANs, and other management parameters.

Troubleshooting Tips

If no output appears: Verify the console cable and adapter are functional.

Confirm the CO

M port selection in the terminal emulator. Ensure the baud rate is set to 115200. Try power cycling the switch or using a different PC.

For US

B console connections, ensure the correct driver is installed and avoid generic USB serial drivers on Mac-based PCs. By following these steps, you can establish a stable serial console connection to your core switch, enabling full CLI access for configuration and management.

Article Content

Core Switch Configuration Guide

This document outlines the configuration steps for a core switch in a server room, including connecting via serial cable, assigning hostnames, creating user accounts with specific password requirements,

How to Configure Core Switch?

In this article, we will examine how to make basic settings on HP brand switches and backbone switches. Switch-PC connection can be done in 3 different ways.

8 Steps to configure your network switch

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All that''s left is to test your access, reload the switch, and ready the cables. Once that''s done, label your switch, rack it up, and go enjoy doing anything that doesn''t involve switch configuration!

How to Configure Cisco Switches: A Step-by-step Guide

Plug the serial DB9 end of the console cable into your computer''s serial port and connect the RJ45 end on the Cisco Switch. But if your computer does not have a serial DB-9 port, connect

COM02_Cisco_R01_9

Connect your cable into that specific port open. Open Tera-Term application. Go to “setup-->serial port” and do the settings as shown below. If the core switch is installed, it will be topmost switch in the

Cisco Catalyst 9300 Series Switches Hardware Installation Guide

Connect the RJ45 port adapter to the serial port on the terminal server or your PC using the optional RJ45-to-DB9 adapter cable. Connect the other end of the cable to the switch console

How to Console into a Cisco Switch?

Learn how to console into any Cisco switch, from legacy 2960 to Catalyst 9300. Step-by-step guidance on cables, COM ports, terminal settings, and security best practices for network engineers and IT

Core Switch 2/64 V4.1 Installation Guide

Use the cable guides provided with the Core Switch 2/64 to group cables by trunking ports (groups of four neighboring ports, or quads). These guides help to keep individual ports accessible by keeping

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By configuring your Cisco switch, you can effectively manage its functionality, ensuring versatility, power, and optimal performance. Discover the essential CLI switch commands and the 11 configuration

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You could cable your WAN links directly to the FWs and use internal hardware switches to pass the connectivity between them. You basically create IRBs or SVIs (depending on your chosen vendor

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SME Network Solution Typical Configuration Examples

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6. Perform Initial Configuration Edge-Core DCSS Software Connect a PC to the switch console port using the included console cable. 2 Configure the PC''s serial port: 115200 bps, 8 characters, no

Rediscovering the Power of the Serial Console: Configuring a TP-Link ...

Completing the configuration process rekindled my appreciation for the serial console. In a world obsessed with the latest and greatest technology, it''s a comforting reminder that sometimes

Guide to Basic Switch Configuration | Auvik

Switch configuration on your own can seem like a daunting task. Use this handy guide to get your network switch up and running with ease.

How to Connect to a Cisco Switch with Console Cable: Your First ...

When your core switch stops routing traffic and management interfaces go dark, that $20 blue cable suddenly becomes the most valuable tool in your rack. If you''re searching for how to connect to a

What is console cable? How to manage the switch

A console cable is a special cable used to connect a computer to a network device, typically during initial configuration or troubleshooting of a

Configure a HP ProCurve switch

Connect to the console port of your switch via a serial cable. Older switches such as the 2900-48G''s have a 9 pin serial connector on the back of the switch, newer switches have an RJ-45

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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