How to check the configuration of a core switch



Overview

8 Steps to configure your network switch If everything checks out, power on the switch and verify that all the indicator lights are in working order. Next.

Key Takeaways

You can view a core switch's configuration using commands like show running-config for the active configuration and show startup-config for the saved configuration.

Accessing the Switch

To view the configuration, first connect to the switch via console cable, SSH, or Telnet. Use a terminal emulator like PuTTY and log in with the appropriate credentials. Ensure you have privileged EXEC mode access (enable mode) to run configuration commands.

Key Commands to View Configurationshow running-config: Displays the current active configuration in RAM, including VLANs, interface settings, and security parameters.show startup-config: Shows the configuration stored in NVRAM that will load on the next reboot.show version: Provides switch model, IOS version, uptime, and memory information.show vlan brief: Lists all VLANs configured on the switch and their status.show interfaces / show ip interface brief: Displays interface status, IP addresses, and operational state.show mac address-table: Shows learned MAC addresses and associated ports.show spanning-tree: Displays STP status to prevent network loops.show inventory / show environment: Checks hardware components, power supplies, and environmental health.

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Additional Tips

Use context-sensitive help by typing? after a command to see available options. For VLAN-specific details, use show vlan id or show interfaces trunk to verify trunking. To ensure changes are saved, compare running-config with startup-config and use copy running-config startup-config if needed.

By systematically using these commands, you can fully inspect the core switch's configuration, verify VLANs, interface settings, and security policies, and ensure the switch is operating as intended.

Article Content

8 Steps to configure your network switch

If everything checks out, power on the switch and verify that all the indicator lights are in working order. Next, use a rollover cable to console into the switch from your computer.

Basic Switch Configuration Guide with Examples

This tutorial explains basic switch configuration commands in detail with examples.

Useful Cisco Switch Verification Commands

This guide provides a comprehensive overview of commands to check switch health, interface status, VLAN configurations, MAC address tables, port security, and spanning tree protocol

How to Configure a Cisco Switch in 10 Steps

Configuring a Cisco switch properly means your network can make connections efficiently. In this step-by-step guide, we walk you through configuring Cisco switches and look at some FAQs.

Cisco CLI Switch Command Cheat Sheet for 2025

We present the frequently used commands to perform various configuration, monitoring, and troubleshooting tasks on Cisco switch

How to Verify Switch Configuration: Best Tools and Commands

In this article, you will learn what is the best way to verify switch configuration and why it is important to do so regularly.

Basic Switch Configuration in Cisco

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The switch is a network device that is used to segment the networks into different subnetworks called subnets or LAN segments. It is responsible for filtering and forwarding the

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If you''re looking to configure a switch for the first time, this post is for you. Learn step-by-step configuration commands for Cisco IOS Switches.

Cisco CLI Switch Commands Cheat Sheet (PDF)

Download this Cisco Switch Commands Cheat Sheet as PDF file to have it as reference with you in the field. The most important CLI commands are included that will be helpful for most configurations.

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