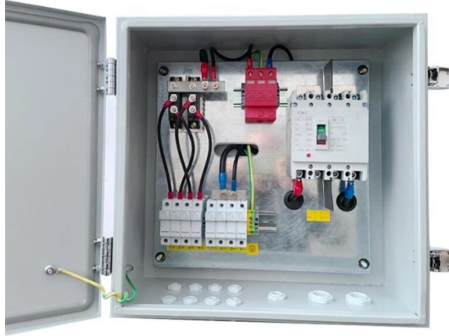


How to check the configuration of a core switch



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 Configurations

- `show 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.

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

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

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