

How to power off the core switch



AI Overview

To safely power off a core switch, save the configuration first, then either use CLI commands to disable power supplies or physically turn off the power.

Step 1: Save the Configuration Before powering down, ensure all configuration changes are saved to NVRAM to prevent data loss. On Cisco switches, use the command: `CodeCopywrite memory` or `CodeCopycopy running-config startup-config`. This ensures the switch will retain its configuration when powered back on.

Step 2: Disable Individual Power Supplies (Optional) For switches with multiple power supplies (e.g., Cisco Catalyst 9300 or MDS series), you can turn off each power supply via CLI before cutting power. Example for a standalone Catalyst 9300: `CodeCopyconf t power supply 1 slot a` off power supply 1 slot b off. For a stacked switch, repeat for each switch in the stack. Note that disabling power supplies will terminate remote connections.

Step 3: Physical Power-Off If your switch does not support CLI power-off commands or you prefer a manual method, simply turn off the power using the power toggle switches on the back of the switch or unplug the power cords. There is typically no dedicated power button on enterprise switches.

Step 4: Consider Network Impact Powering off a core switch will disrupt network traffic. Plan downtime carefully, notify users, and ensure redundancy if available. For critical environments, consider performing this during maintenance windows.

Step 5: Reboot or Power-On When ready to power the switch back on, reconnect the power cords or toggle the power supplies back on. The switch will boot using the saved configuration. By following these steps—saving configuration, optionally disabling power supplies via CLI, and then physically powering off—you can safely shut down a core switch without risking configuration loss or hardware issues.

Article Content

SME Network Solution Typical Configuration Examples

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Just got my Mister in, a few newbie questions : r/MiSTerFPGA

The good news is you basically can turn it on and off just like original hardware. About as much as you might need to do is reset it if you do a lot of core switching.

Understanding Core Switch: What It Is and How to Choose the

By taking these considerations into account, you can make an informed decision when selecting a core switch that aligns with your network's demands and future growth.

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Provided you discipline yourself to save the configuration each change, then you can simply remove the power or switch off. If in doubt, save the configuration to NVRAM before you

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What Is a Core Switch?

Explore what a core switch does, why it's essential for enterprise networks, and how to choose the right model. Includes real-world applications and Cisco/Huawei/Aruba model comparison.

Core Switch vs. Distribution Switch vs. Access Switch

What is a Core Switch? A core switch is the primary switch installed at the backbone of a layered or hierarchical network. These data switches are responsible for routing and data switching at the core

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MSIX package - An easy way to install for casual users of PowerShell but has limitations ZIP package - Easiest way to side load or install multiple versions or install on Windows Server Core,

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Proper way to turn off and turn on a Cisco 2960x switch

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For more information, pricing, or custom solutions, please contact us:

Website: <https://www.tomor.eu>

Email: info@tomor.eu

Phone: +49 69 2381 5497

Address: Am Hauptbahnhof 10, 60329 Frankfurt am Main, Germany

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