

Detailed Steps for Replacing the Core Switch



AI Overview

Replacing a core switch can be done via a full cutover or staged migration, with careful preconfiguration and planning to minimize downtime and avoid IP conflicts.

Preparation and Planning

Inventory and Documentation: Document all existing configurations, VLANs, SVIs, routing protocols, ACLs, and connected devices. Map each port and interface to ensure accurate migration.

Preconfigure the New Switch: Load the new switch with the necessary configurations, including VLANs, IP addresses, routing protocols, and security settings. Verify that loopback addresses and SVIs do not conflict with the existing core.

Test Connectivity: If possible, test the new switch in a lab or isolated environment to ensure configurations are correct and compatible with your network.

Migration Strategies

Full Cutover Best for scheduled downtime: Shut down the old core switch completely, remove it, and connect the new switch. This avoids IP conflicts and simplifies troubleshooting.

Steps: Power up the new switch in the rack. Connect upstream devices (firewalls, routers) and verify routing adjacencies. Move all access switch connections to the new core. Verify connectivity and test critical services.

Pros: Simpler, avoids IP conflicts, easier troubleshooting.

Cons: Requires planned downtime; all users experience temporary outage.

Staged Migration Best for minimizing downtime: Move connections VLAN by VLAN or port by port.

Steps: Configure the new switch alongside the old one. Shut down one VLAN or SVI on the old switch. Enable the same VLAN or SVI on the new switch. Move the corresponding connections. Repeat for all VLANs or ports.

Pros: Reduces user impact, allows troubleshooting in stages.

Cons: More complex, risk of misconfiguration if IPs overlap.

Additional Considerations

IP Conflicts: Avoid bringing the new switch online with the same IPs as the old switch simultaneously, as this ca...

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Core Switch Change

Hi all. We will be swapping our existing core switch for a new one and I want to get some verification that the procedure I have in mind is a good one to take. We currently have the following

Welcome to Channel Dive | Channel Dive

Welcome to Channel Dive. We're Informa TechTarget's new publication, focused on delivering daily news and analysis for executives at North

Switch Installation and Upgrade: A Step-by-Step Guide for Home and ...

This detailed guide will walk you through the process of installing and upgrading a network switch, including the necessary tools, common mistakes to avoid, and how to future-proof your setup.

Solved: Migrating to new core switches | Experts Exchange

I am intending to buy two new Cisco Catalyst 4513 switches to replace the current core switches (4000 series), which Layer 3 routing is enabled. However, I am not sure as to how to

Best way to replace a core switch with minimal down time

As this is a replacement upgrade, both switches which are core switches will have the same IP addresses configured on them. So far I have two

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Install Core Switch

This article outlines the process for installing a Core Switch and is applicable for all Panel Suppliers and Panel Members.

What is your strategy when physically swapping switch hardware ?

As the title suggests. I am just about to upgrade a bunch of switches at my company. The interfaces are fully configured in a like for like configuration. For when it comes to physically swapping things,

Replacing one core switch with two new core switches

I will have to replace our old core Cisco switch C4506-E with two new core switches C9500 that will be located in two different server rooms. Currently there is one server room and our

How to Replace a Faulty Switch in the Live Network | Step-By-Step ...

Switch Replacement in the network. How to Replace a faulty device in the running network.

Core switch replacement

Good day all, I am in the process of replacing my VM host machines with a new configuration. Most likely it will end up being a 3 server one storage array configuration. My current

best practise for switches replacing order?

I have cores 6500, server farm 4500 and edge switches 3xxx/2xxx. I will be replacing them with cores 9500, server farm 9400 and edge switches 9200. is there a best practice for specific

Network Switch Replacement and Implementation Activity

Presented a comprehensive action plan, including an activity schedule, prerequisites, power-down and switch replacement procedures, power-on procedures, and a detailed post-implementation check

Core switch replacement

What "core switch" are you replacing? To what end? Is this a home install, or a business? Business - I have explained I'm not an expert but they

Connecting Azure Sphere to Azure IoT Edge | Microsoft Community Hub

Step-by-step (with video!) to connect Azure Sphere to Azure IoT Edge and authenticate a device.

Solved: Replacing Core Switch

Hi I am migrating our core switches next weekend and was looking for some advice on the actual move itself. I am moving our current Cisco core stack to a new core stack. I am keeping the

Solved: Core switch migration strategy

We have a new WS-C4507R+E to replace our WS-C4507R-E Core switch which is end of life. Both switches are on line and trunked together and support internal traffic. Both switches are

Replacing core switch question? : r/meraki

Replacing core switch question? We are replacing our existing catalyst 4510R switch with 6 meraki ms250-48p switches. Currently we have a blade for each floor of our building and then 2 blades for

Solved: Replace Core Switch

Hi I am wondering how most people go about this. If I was replacing a core switch, how would you guys recommend I migrate the config over. SSo would you 1) connect the new core to the

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[serenalindquist99/server-core-switch-lab](#)

This lab simulates a real-world enterprise network upgrade involving the replacement and configuration of core switches, port migration, ACL deployment, and rollback planning.

SAPUI5 SDK

Explore SAPUI5 SDK Demo Kit for comprehensive tools, documentation, and interactive demos to develop responsive web applications with SAP's UI framework.

Best way to replace a core swicth with minimal down time

Hi All, I will be replacing a Cisco 3750x with a Nexus 3127 and would like some advice about how to go about the actual migration with the least

Core switch replacement

1) Bring up the new core switch stack or chassis next to or above the current one. 2) Bring the bulk of basic configurations over and map interfaces

Contact Us

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