

Various issues related to core switch replacement



Overview

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

Key Takeaways

After replacing a core switch, common issues include IP conflicts, misconfigurations, and connectivity problems, which can often be resolved with careful planning and troubleshooting. Common Issues Encountered IP Conflicts: When replacing a core switch, if both the old and new switches are configured with the same IP addresses, it can lead to conflicts. This is a significant issue that can disrupt network connectivity.

To avoid this, ensure that the new switch is configured with unique IP addresses before connecting it to the network.

VLA

N Misconfigurations: After a switch replacement, devices may experience connectivity issues due to incorrect VLAN settings. It's essential to verify that the VLAN configurations on the new switch match those of the old switch. Any discrepancies can lead to devices being unable to communicate with each other.

Broadcast Storms: In some cases, replacing a core switch can lead to broadcast storms, where excessive broadcast traffic overwhelms the network. This can happen if there are misconfigured ports or if the new switch is not properly integrated into the existing network topology. Implementing storm control measures can help mitigate this issue.

Troubleshooting Steps
Pre-Configuration: Before physically replacing the switch, configure the new switch with the necessary settings, including VLANs and IP addresses, while it is disconnected from the network. This minimizes downtime and reduces the risk of conflicts.
Physical Connections: After replacing the switch, check all physical connections to ensure that cables are properly seated and that there are no loose connections.

Inspect LE

D indicators on the switch to confirm that it is powered and operational. **Review Logs and Settings:** After installation, review the switch logs for any error messages or warnings that could indicate configuration issues. Ensure that all settings, including routing tables and access control lists, are correctly configured.

By following these guidelines and troubleshooting steps, you can effectively address issues that arise after replacing a core switch and maintain a stable network environment. If problems persist, consider consulting with network professionals or referring to vendor documentation for further assistance.

Article Content

Core switch replacement

My current core switches (2 x Aruba 3810M) are 6 years old and limited in their connection options. Adding in SFP+ modules will not give me enough connections for the servers,

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 options that come to mind and would like

Navigating Network Nightmares: Conquering Core Switch

Today, we share a tale of triumph over tribulation as we recount the network issues we encountered during a core switch replacement and the ingenious solutions that saved the day.

Solved: Replacing Core Switch

Is there any issue with simply taking the old stack out then putting in the new stack and connecting the cables?

Core switch replacement

Make sure any loopback you add doesn't conflict with the existing core switch and that you do one SVI at a time, it's not as simple as doing it linecard by linecard but this way you can

[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.

Switch and core replacement problems : [r/networking](#)

We've changed our switching to unifi (please don't comment on vendor, not my choice), put a pro aggregation switch at the core with an edge router

Core Switching Replacement

I am currently working on a project to replace all of the host in our datacenter and at the same time we will be migrating to a new data center facility. This is a huge project with a lot of

Troubleshooting War Stories: Part 2

I tried checking the physical connectivity and also made various Layer 2 configuration changes to try to resolve the issue, but nothing worked. As a last resort, I even rebooted the core

Top 9 Reasons for Network Switches Failure

Network switch failures can cause network downtime, affecting our business, production, and damage to our property, so we have to troubleshoot and repair the switch in the shortest possible...

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

Migrating to a new core switch/router?

Our new switch solution we're doing has chassis for the core and then ToR switches in each rack with two 10Gb twinax connections going from each rack to the core switch. In the short

What is your strategy when physically swapping switch hardware ?

Yessss, this! Had a few closet Access Switch replacements where I ran the trunk 10Gb lines through the original then to the new ones. When I had moved all the patches over, I psyched myself up, then

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

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

Core switch replacement

I'm replacing core Cisco switch 4506-E with switch 4507R-E. As I have one supervisor card on 4506-E and I'm going to take out all the card that I have in 4506-E and install it in the new

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

Core Switch Replacement

Random connectivity issues when hosts and NetApp were split between the separate switch stacks. Outage was not a big deal as that is what was communicated anyway; we were just hoping for a zero

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

