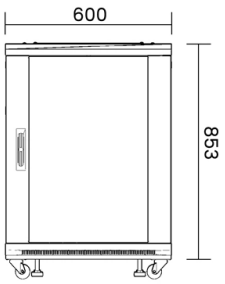
Can two core switches be configured



Overview

Two-Tier Core Configure Two-Tier core switches as a VSX pair for Layer 2 aggregation of the data center access switches, IP data center services, and routi.

Key Takeaways

Two core switches can be configured as a high-availability pair using VSX or stacking, with LAGs for inter-switch links and VLANs for Layer 2/Layer 3 traffic. Step 1: Plan the TopologyBefore configuration, determine the network topology: Decide whether to use VSX (Virtual Switching Extension) for independent control planes or stacking for a single logical switch. Identify primary and secondary roles if using VSX.

Plan inter-switch links (ISL) using LAGs for redundancy.

Define VLA

Ns for access, transit, and routed traffic between the core switches and upstream networks. Step 2: Configure Management InterfacesAssign IP addresses to the management VLAN on each switch. Ensure connectivity between switches for keepalive messages (VSX) or stack communication.

Example for Aruba VS

X: Switch 1: VLAN 3999, IP 172. 16. 10.

10/24Switch 2: VLAN 3999, IP 172. 16. 10.

11/24. Step 3: Configure Inter-Switch Links (LAG)Create a Link Aggregation Group (LAG) on both switches for the inter-switch link.

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Assign the LA

G as the VSX data plane ISL or stack connection.

Enable LAC

P active mode for dynamic link aggregation. Example: CodeCopyinterface lag 128 no shutdown description VSX-ISL vlan trunk allowed all lacp mode active Step 4: Configure VSX or StackVSX: Assign roles: one switch as primary, the other as secondary.

Configure VS

X keepalive using the OOB management interface. Synchronize features like STP, LLDP, and MC-LAG interfaces. Example: CodeCopyvsx role primaryinter-switch-link lag 128keepalive peer 172.

16. 10. 11 source 172.

16. 10. 10vsx-sync vsx-global Stacking: Assign stack member IDs and priorities.

Connect stack cables and power on switches. Verify stack formation and master switch election. Step 5: Configure VLANs and RoutingCreate VLANs for access and transit traffic.

Configure Switch Virtual Interfaces (SVIs) for Layer 3 routing. Assign default gateways for hosts in each VLAN. Example for Nexus: CodeCopyinterface vlan 10 ip address 192.

168. 1. 1/24interface vlan 20 ip address 192.

168. 2. 1/24ip route 0.

0. 0. 0/0 10.

0. 0. 2 Step 6: Verify and Save ConfigurationCheck LAG status, VSX synchronization, or stack health.

Test inter-VLAN routing and connectivity to upstream networks. Save the configuration to prevent loss after reboot: CodeCopywrite memorycopy running-config startup-config Key ConsiderationsAlways configure redundant paths to prevent single points of failure.

Use Multi

Edit or CLI for bulk configuration with syntax checking (Aruba CX).

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Monitor VS

X or stack logs for errors during initial deployment. Ensure consistent VLAN and VRF assignments across both switches. By following these steps, your two core switches will operate as a resilient, high-availability pair capable of handling Layer 2 aggregation, inter-VLAN routing, and seamless failover.

Article Content

Two-Tier Core

Configure Two-Tier core switches as a VSX pair for Layer 2 aggregation of the data center access switches, IP data center services, and routing to the main campus.

Solved: Redunancy with two switches core

Now, I would like to set up Redunancy with this two core but the access switches only have one connection to core, I think split this connection half on one core and make a trunk each

Edge switch redundancy to two core switches

I want to provide best redundancy for an access switch (Cisco 3650) when connecting to two core switches (Cisco 9500 series), as show in attached topology. My plan is to configure 2

Solved: Re: When using 2 core switches for load balance, should I be ...

Bear in mind that, even if your core switches are a stack, uplinks will not loadshare unless you also configure them as aggregate links - otherwise a loop is formed, which Spanning Tree will

Two-Tier Core | Validated Solution Guide

Configure Two-Tier core switches as a VSX pair for Layer 2 aggregation of the data center access switches, spanning tree, lossless ethernet features and IP data center services.

Core layer | FortiSwitch 7.6.0 | Fortinet Document Library

You can also use virtual machine FortiGate models like FG-VM16, FG-VM32, or FG-VMUL and their “V” versions to achieve the same number of switches and APs supported in the core layer.

How to configure redundant core switch in collapsed core?

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I want a second core switch (Core 2) to be able to take/distribute load while acting like a backup switch if Core1 goes down. Each access switch should have a redundant link to both Core1 and Core2.

Connecting two core switches : r/networking

Ideally I think it would be best if you airgap your lab from the rest of your production environment to prevent any issues. If you need to get into your gear you can use a serial console. Last thing you

How to Configure Redundant Switches in Your Network

Let''s dive into a detailed, step-by-step guide on setting up redundant switches, covering both the hardware setup and software configurations.

Connecting multiple cisco dwitches together

What is the best approach, protocol and configuration to use when connecting 3 nx 9000 cisco switches together as core switches using fiber connects? We will eventually add edge switches.

Solved: 2 core switches with same SVIs

Hi, is it possible to have 2 core switches running with the very same SVIs configured? Im not referring to stacking. I want to take down the old core later on but will gradually transfer the

How to configure redundant core switch in collapsed core?

On core 1 I have configured SVI for each VLAN. I want a second core switch (Core 2) to be able to take/distribute load while acting like a backup switch if Core1 goes down.

Can you have two switches on the same network?

Yes, absolutely! You can, and often should, have multiple network switches on the same network. In fact, most modern networks, from your home setup to enterprise-level infrastructures, rely

Configure Inter VLAN Routing with Multiple Switches

The Cisco 3560 core switch below has the SVIs configured for routing the VLAN traffic. The two other 2960 switches are the Access switches that have clients uplinked to the various VLANs.

Internet connection to two core switches

Hi, I want to add some redundancy to my network by adding one more core switch. The problem is that I have only one internet connection. What is the best practice to have network access

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Recommendations: Dual Core Switch for redundancy.

Hi Experts, May I ask for your recommendations for this kind of setup. Best practices and other routing and switching stuff. I have the following: 1 5520 ASA connected to the internet, 2 core

Solved: Link aggregation to 2 core switches

But etherchannel can be built on ports on two same devices which means you can configure etherchannel on 2-8 ports on cisco 2960 with first core and another etherchannel can be

What is optimal way to connect two core switch/routers

We have two 4507s at our core, running HSRP. We have three other 4507s at the edge, plus eight 2950s. All edge switches and WAN routers are connected to both core 4507s. We have a Port-Group

Related Video Reference

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Technical inquiry: https://fdsoluciones.es/project-enquiry.html

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

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