

Dual-egress backup of core switch



AI Overview

A dual-egress backup for a core switch ensures continuous outbound connectivity by combining redundant links, multi-chassis link aggregation, and routing failover mechanisms.

Core Concepts

Dual-egress backup involves connecting the core switch to two separate upstream devices or WAN links, so that if the primary egress path fails, traffic automatically reroutes through the secondary path. This design improves network resiliency and minimizes downtime for critical services .

Physical Redundancy

- Link Aggregation (LAG/MC-LAG): Combine multiple physical interfaces into a single logical link to increase bandwidth and provide failover. Multi-Chassis Link Aggregation (MC-LAG) allows two core switches to act as a single logical unit, providing seamless failover if one switch or link fails .
- VSX or Two-Tier Core: In Aruba or similar architectures, core switches can be configured as a VSX pair with inter-switch links (ISL) to maintain Layer 2 aggregation and routing continuity. If one core switch loses external connectivity, the other maintains egress traffic .
- Hot-Swappable Components: Use core switches with redundant power supplies and fans to prevent downtime due to hardware failure .

Routing and Traffic Management...

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Fortifying Your Network with Cisco Switch Power Redundancy Setup: Dual ...

Ensure high network availability with a complete Cisco switch power redundancy setup guide. Learn dual PSU deployment,

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L2 SWITCHES

L2+/Lite L3 10G Multi-Gigabit Ethernet Switch The Edgecore ECS5500-12P switch is a 10G Ethernet

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When using mgmt0 port for vPC peer-keepalive link in a dual supervisor configuration, always use an intermediate L2 switch to

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Core Switch Hot Backup: Principles and Benefits

Core switch hot backup is a redundancy mechanism that uses two or more core switches to ensure continuous network availability.

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FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

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Two-Tier Core

Prepare switches for deployment in Aruba Central for building a Two-Tier Data Center. The L2 Two-Tier Data Center

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Core Switch vs. Distribution Switch vs. Access Switch

Another reason for using multiple data switches at the core layer is to prevent the crowding of data packets. If data packets are highly

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Redundancy for Core Switch Stack : r/networking

So when one of the "new core" switches goes down, anything connected to it will still be offline. You can design around this by

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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

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Core layer | FortiSwitch 7.4.0 | Fortinet Document Library

With the use of a core layer, each aggregation switch only needs 2x100-GbE links, and the core layer is the only place where you

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What is a Core Switch | Functions and Difference over Normal Switch

What is a core switch and how it works? This article builds the basics of this kind of switch for the ones who don't

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Discover the best practices for Cisco switch stacking to enhance network performance, ensure redundancy, and

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Understanding the Core Switch: Key Differences and Uses

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Solved: redundancy in core layer

In the core layer, I want to have redundancy, which means that if the main core switch of my network has a problem,

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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

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An Overview of High Availability in UniFi – Ubiquiti Help Center

The Enterprise Campus Aggregation is a high-capacity 100G switch that extends redundancy to the core of your network. It features

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Core switch redundancy

Hi, A school with around 800 users having one core switch 6509-E sup-720 (inter-vlan routing) collapsed core design

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Core Switch vs. Distribution Switch vs. Access Switch

Comprehensive guide to Core, Distribution, and Access Switches. Roles in the network and important parameters explained.

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Redundant Core switches and Single Router Design

Hello Everyone, I am working on one design and need support for connectivity between two core switches and router.

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Core Switch Explained: Key Functions and Benefits

Discover what a Core Switch is, its pivotal role in network architecture, and how it boosts performance and reliability in

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What Is a Core Switch?

A core switch is the backbone of a large-scale network, designed to handle massive volumes of traffic with ultra-low latency and

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Dual WAN. How configure failover for egress traffic.

In this case, on Core Switch's routing table there will eBGP routes from remote site and on Router's routing table there

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Cisco Nexus 5600 Platform 10-Gbps Switches Data Sheet

This data sheet describes the benefits, specifications, and ordering information for the Cisco

Contact Us

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