

Core machine and switch redundancy



Overview

In network terms, protocols such as the Spanning Tree Protocol (STP) and the Virtual Router Redundancy Protocol (VRRP) come into play. What method is there?

04-19-2024 02:04 PM 04-19-2024 04:47 AM You need first to use PO for all connection. Second you need to. school with around 800 users having one core switch 6509-E sup-720 (inter-vlan routing) collapsed core design connected to - 30 layer 3 HP switches with 10G and 1G backup links - 2 juniper WLCs 120 APs and VMware servers looking for a solution to achieve core redundancy. suggestions required. UniFi's Enterprise lineup prioritizes redundancy to ensure maximum network uptime and reliability by eliminating single points of failure. UniFi enables High Availability across your deployment by building redundancy into every part of the network—from Gateways to Switches to Access Points—so that. Switch redundancy is essentially about having backups in your network—specifically, backup switches. It's like having an extra tire in your car; you may not need it all the time, but it's lifesaving when you do. In technical terms, switch redundancy involves implementing multiple physical switches. There are several ways to do this, depending on your needs and the devices and versions. The simplest way is if your two core switches are stackable, making them look like a single logical switch. This is a design problem you can fix.



Article Content

Oct 04, 2025

Question About Core Redundancy Best Practice : r/networking

Our current headquarters core is a chassis switch (Cat 4507), with port-channels to other buildings for layer 2 redundancy. I've read

Mar 14, 2026

How important is redundant core switch? : r/sysadmin

2 years ago we had a core switch fail while we where doing a major UPS change over at the worst time, powered on the new UPS

Jan 13, 2026

An Overview of High Availability in UniFi – Ubiquiti Help Center

UniFi enables High Availability across your deployment by building redundancy into every part of the network—from Gateways to

Aug 04, 2025

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

Feb 03, 2026

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

Apr 11, 2026

Solved: Redundant links between switches

So in my building I have a switch closet on each floor with a stack of 3750's. Each floor switch stack has a single fiber

Jul 04, 2026

Best way to create redundancy with 2x layer 2 Cisco switches

Hi, I have the below set up that and I'm trying to work out the best way to make the switches redundant so if one fails,

Nov 13, 2025

Network design question. Core redundancy.

Hi there, I currently have a network which consists of one 2970G as a core switch and a number of 2950T and 2970G

Feb 11, 2026

What Is a Core Switch? Network Backbone Architecture Guide

Discover what a core switch does in a 3-tier network model. Learn about ASIC routing, collapsed core vs dedicated

Aug 07, 2025

Solved: Redunancy with two switches core

Hello everyone, I have a customes have just bough ttwo switches core (L3), his today diagram network is: Access

Feb 16, 2026

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

Feb 09, 2026

Difference between a core switch and "normal" switch?

What''s the difference between a Core Switch and a normal switch? I have 4 switches in a stack that everything connects to. This is

Jun 22, 2026

Solved: core switch redundancy

Does the core have 2 sups that would provide some level of redundancy once it had to power supplys with separate

May 13, 2026

Solved: redundancy in core layer

Solved: hi guys . i have a network with below topology. In the core layer, I want to have redundancy, which means that

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Controller Redundancy Under the Hood

Controller redundancy provides many benefits as part of any high-availability strategy for factory automation and machine control.

Apr 17, 2026

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.

Sep 06, 2025

Datacenter Rack Switch Redundancy Models

Typically, an Ethernet switch is located within the rack to aggregate all access connectivity for local servers, then uplinked to a

Jun 09, 2026

Help with core switch redundancy | Wired Networks

Currently have one gigabit core switch (dying) per main building connected via fibre (OM4 x 12 pairs). I'm after some

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Cisco Core switch in redundant mode

Yes, the design you have for Access Switches that is Good per redundancy, but still there is question for redundancy

Dec 30, 2025

Core switch redundancy

Going with mixed vendor at the core seems like you're doing a lot more work than necessary just keeping the two

May 09, 2026

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,

Jul 29, 2025

Fortifying Your Network with Cisco Switch Power Redundancy Setup:

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

Sep 01, 2025

Power Supply Redundancy In Core Switch

How important is redundant power supplies in core switches / single switch environments? I have a customer that has

Contact Us

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