

Will the core switch suddenly break down



Overview

So when one of the "new core" switches goes down, anything connected to it will still be offline. You can design around this by having redundant connections to the different "cores" and letting STP handle things, but then you don't have the port channel bandwidth. Did a firmware upgrade on the switches and their L3 routing went down. After reboots they were able to get it back up. Any suggestions?

Perhaps break it up into 2 stacks and have a controller switch connect them?

Maybe. Today we're breaking it down super casually but with real 2026 insights, spotlighting HoweVis gear because their switches are reliable, packed with features, and actually deliver on what they promise. Simply put, it's the kingpin that keeps your network humming. This government organization's network has a 2-tier network design for a. The core switch is the most important piece of hardware in this infrastructure, acting as the high-speed, central nervous system that ensures all parts of the network can communicate.

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Unlike access switches, which connect directly to end-user devices, the core switch focuses on aggregating and routing traffic between other switches, minimizing latency and ...



To ensure the network remains operational during component failure, core switches are built with significant hardware redundancy. This includes features such as dual, hot-swappable ...



Let's talk about the real MVP of any serious network—the core switch. A ton of folks get halfway through a build and suddenly go, “Wait... is this thing Layer 2 or Layer 3?”



The individual switches don't have UPS and the power cut is going to last longer than the Core switch UPS predicts it can handle, so need to shut down that as well.



In a modern data center, core switches are fundamental because they offer redundancy and fault tolerance to ensure continuous operations without interruptions.



I would like to ask if there is a solution to the breakdown of core switch caused by this cleaning ☐ I remember you asked the same question in a previous post. As you said, the ...



So, when the active core switch (switch 1) suddenly failed, it crippled connectivity across the entire 6-floor headquarters.



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No switches complain about LACP or showed any issues. Trunk ports all match, no ACLs to hinder flow, etc., but it's like Core 2 is unable to route the layer 3 that is setup on the stack.



The major difference between core switches and ordinary (aggregation) switches is their network performance. Core switches as expected are designed to be quicker than aggregation ...



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Contact Us

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