Core Switch Redundancy Example Analysis



Overview

In this tech paper, you will learn about the key protocols for building a redundant network and discover—based on five examples—how to design highly available three-tier or two-tier networks using LANCOM products. This paper is part of the series “switching solutions“. 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. By connecting a switch to two. A Stacked CORE switch is a control plane single point of failure. The first step would be to un-stack them and as you suggested running VRRP/HSRP is probably a good solution. The hardware bought was out of my hands, but it's fairly decent high-end switching that should be able to achieve what we require. See below diagram to. Hi, A 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.

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Another advantage of VSS or any similar stacking type technology is that each access switch can have active active 10G uplink back to the core. If you mix vendors, you would probably ...



IDF closets on each floor with layer 2 switches, 12 strands of fiber ran between each floor and the basement. Our current headquarters core is a chassis switch (Cat 4507), with port-channels to other ...



Installing two new firewalls that work together in a master/slave configuration, so we have redundancy at our firewall level. Our service provider has already provided us with two different links ...



Redundancy and High Availability: Deploy redundant core switches, use dynamic routing protocols (such as OSPF, BGP) and link aggregation (LACP) to enhance network reliability.



Setting up redundancy in Cisco network environments is crucial for ensuring non-stop service availability and minimizing downtime. Whether you''re a network engineer or an IT enthusiast, ...

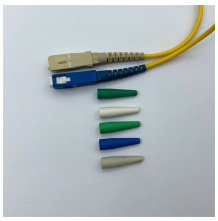
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Stacking at the core (regardless of vendor) is universally a bad idea. If they''re not wanting to buy all new expensive gear, you have two options, both with advantages and disadvantages. Split the stack into ...



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Does the core have 2 sups that would provide some level of redundancy once it had to power supplys with separate feeds that would just leave the chassis as only point of failure and they ...



Essentially we will have two core 24 port switches, which we would like to put into high availability. My idea would be to use MLAG, but I''m looking for guidance in that regard. These each ...



In the core layer, I want to have redundancy, which means that if the main core switch of my network has a problem, the backup switch will automatically enter the circuit.

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