

Core Switch Network Redundancy



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. The first step would be to un-stack them and as you suggested running VRRP/HSRP is probably a good solution. Meraki does not support ISSU and the entire stack needs to reboot for. Redundancy refers to the inclusion of extra or backup equipment, such as switches, within the network to guarantee continuous network performance, even if one or more devices fail. One of the networks for vlan 10, another one is for vlan 20, third network is for switches. 254, i gave. 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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"If the HP switches support VRRP you could use one of them connected to the core on vrrp but it would need to be able to take the network load if it failed over from the 6500"



I use first layer 3 switch for vlans and i want to use the switch as a ...



The network design uses paired core switches with HSRP between aggregation routers, link aggregation between core and access switches, redundant firewalls in active-passive ...



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.



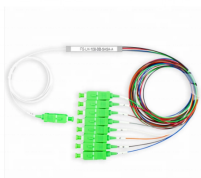
I use first layer 3 switch for vlans and i want to use the switch as a default gateway for switches. Their default gateway is 192.168.0.254, i gave this ip address to "int vlan 1" of the layer 3 ...



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 ...



Next, I'll guide you through advanced configurations and best practices to optimize your redundant switch setup, ensuring you can create a network that's not only robust but also efficient in ...



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 ...



Clients: I have redundant "core" switches with single controllers, with 4 additional switches connected to each "core" switch. If I loose a "core" switch, then about half a floor would ...



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 ...

Contact Us

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