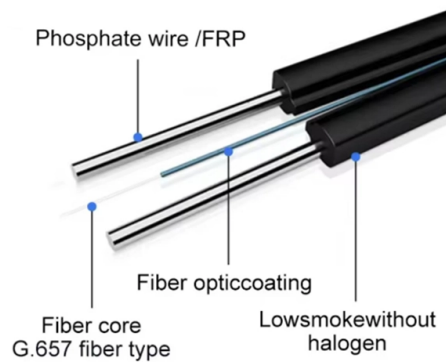


Dual-router connection to the core switch



Overview

You are talking about 2 physically separate routers connecting to PoE switch. Lets say you create vlan 100 and 200, then add port,lets say 10 to vlan 100 and port 20 to vlan 200. I want to provide best redundancy for an access switch (Cisco 3650) when connecting to two core switches (Cisco 9500 series), as show in attached topology. To establish a VSX relationship between the core switches, create a link aggregation (LAG) interface for assignment as the VSX data. By "Just Work" I mean that clients will be able to connect to either router with no problems. These switches would be known as 'Edge switches' Obviously I am not in the full know of what your network is. Deploying Parallel Redundancy Protocol within a Converged Plantwide Ethernet Architecture (CPwE PRP), which is documented in this Design and Implementation Guide (DIG), outlines several use cases for designing and deploying PRP throughout a plant-wide or site-wide Industrial Automation and Control.



Article Content

Tom's Hardware: For The Hardcore PC Enthusiast

By Sarah Jacobsson Purewal published May 14, 2026 The first gaming headset that lets you connect to and switch between multiple devices

Network with inter vlan routing

Each switch will need a default route to core switch 1 and a second default route with higher metric to router 2. Failover will only occur if a link

Connecting multiple switches correctly

Plug the main server into the core switch above (I wouldn't have anything internal plugged into the main router beyond the link to the core switch

Dual connection between Single Router and Single Switch

Hi, in recent incident where one of Blade on Core switch went down, that caused some important routers LAN interface is go down as well. Now i am planning to connect each router Twice

Connecting multiple switches correctly

To help with routing, I would make the default gateway for all servers/clients/network devices be the IP address of the core switch. With

[Wireless Router] Dual WAN introduction and setup

When Primary WAN loses internet connection, the router would switch to Secondary WAN automatically. If you have a Chunghwa Telecom WAN

Dynamic Routing Approach between Core-Switch and

Hi, I've a design or let's say an implementation question regarding the attached approach! Two routers (one acting as primary and the other as

How to Connect Multiple Ethernet Switches

Cascade vs Stack vs Cluster: Learn how to connect multiple Ethernet switches, compare the key differences, and choose the best setup to boost your

routing at the distributionCore switch

02-18-2015 02:47 PM Simplest solution is to connect the ISP router to both 4500s which would also increase your redundancy. You don't need a common vlan and

Switch Stacking Basic Setup and Configuration Steps

Cost: Switches that support stacking are often more expensive than non-stacking switches. Additionally, specialized stacking cables and modules

layer 3 connection between core and distribution switch

Hello everyone, Could someone please guide me on how to set up a layer 3 connection between a distribution layer and core layer switch? The way I understand is that in order to set up a

Connecting Multiple switches to core : r/networking

I've worked in large manufacturing facilities where the Core is connected to Distribution switches and they connect the standard layer 2 access switches. My boss was always on at me "upgrade the core

What is optimal way to connect two core switch/routers

We have two 4507s at our core, running HSRP. We have three other 4507s at the edge, plus eight 2950s. All edge switches and WAN routers are connected to both core 4507s. We have a Port-Group

Can I connect two routers to one switch?

Yes, that is possible. You create 2 vlans on the switch. Lets say you create vlan 100 and 200, then add port,lets say 10 to vlan 100 and port 20 to vlan 200. Now you

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 9500 series), as show in attached

Two-Tier Core

Configure Two-Tier core switches as a VSX pair for Layer 2 aggregation of the data center access switches, IP data center services, and

Deploying Parallel Redundancy Protocol within a Converged

Reduce the risk of simultaneous failures for the primary and secondary grandmasters by using separate network switches, redundant power supplies, and using multiple reference time sources.

Understanding the Core Switch: Key Differences and Uses

Explore the core switch's role as the backbone of your network. Discover key differences, uses, and insights into layer 3 core switch technology.

Full Mesh between two L3 Core Switch and 2 Core routers

Respected All, we have one new customer, for which i have to commission new network for them, there are two core router 3945 and two Core

How To Use A Network Switch With 2 Routers

Learn how to effectively use a network switch with 2 routers to expand your network and optimize connectivity. Discover the best practices for seamless integration and improved performance.

2 Fiber uplink connection between Core switches

How will I provide redundant 2 fiber uplink paths between core switch and distribution switches as I want to pass the vlans in core switch to the meraki

Solved: Redundancy with two switches core

Hello everyone, I have a customer who has just bought two switches core (L3), his today diagram network is: Access Switches connect to one Switch

2 LAN core switches with single WAN router

At present only core1 is connected to WAN router with the static route and there are no dynamic routing in core switches. I am planning to

FortiSwitchOS Switching Reference Architecture Guide

Having 4x100-GbE ports allows for two ports to go to the core switches and two ports to connect the aggregation layer in MLAG together (ICL) at very high speed.

Solved: core switch redundancy

Hi, 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

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

This is done via a high-speed communication forwarding route and as a result, the core layer switch application has improved in terms of reliability, performance, and throughput. The major

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