

How to relay between two core switches



Article Overview

To interconnect two core switches, configure a dedicated transport VLAN, use trunk ports, and optionally implement stacking or VSS for redundancy and simplified routing.

Step 1: Establish a Transport VLAN

Create a dedicated VLAN on both core switches to serve as the transport or inter-switch link. Assign unique IP addresses to each switch within this VLAN to enable Layer 3 communication. For example, CS1 could use 10.0.0.1/24 and CS2 10.0.0.2/24 . This VLAN should be used exclusively for inter-core traffic to avoid conflicts with other VLANs.

Step 2: Configure Trunk Ports

Set the ports connecting the two core switches to trunk mode and allow the transport VLAN. On Cisco switches, the configuration would look like:

```
interface GigabitEthernet1/1 switchport mode trunk switchport trunk allowed vlan
This ensures that multiple VLANs can traverse the link if needed, while the transport
VLAN carries routing traffic .
```

Step 3: Avoid MAC Address Conflicts

If using virtual switching technologies like VSS or stacking, ensure that each switch has a unique MAC address for the transport VLAN. Identical MAC addresses can pre...

Article Content

How a Relay Works and How to Use It in Circuits

Learn how a relay works and how you can use it to turn on/off high-power devices with tiny

how to connect to cisco switch via another switch

I am trying to find out what mac address my pc is plugged into on our cisco switches. Starting at our core switch i

Dynamic Routing Approach between Core-Switch and WAN-Routers

Since your routing between the L3 core switches and the routers, and have two paths (direct switch<>router link and

Core Switch vs. Distribution Switch vs. Access Switch

Core Switch vs. Distribution Switch vs. Access Switch: Understand Their Roles in Ethernet Networks Ethernet networks are growing

Connecting Core to Access switches

You could also run fiber between SFP modules. I would recommend at least 2 copper runs per switch, which you can

Configure Inter VLAN Routing with Multiple Switches

The question comes up often when talking about inter vlan routing and how this is done with multiple switches in a

Solved: how to connect two switches

I have to switches one in L3 an the other in L2. Several vlans on the network. Should i use a trunk connection between

Solved: interconnecting two core switches

Yes, I'm connecting a pair of switches configured in VSS mode to another pair of switches configured in VSS mode. I

L3 or L2 Link between Core Switches

We could connect one firewall to each CORE switch via an access port, configuring VRRP between the two firewalls so

Edge switch redundancy to two core switches

Solved: I want to provide best redundancy for an access switch (Cisco 3650) when connecting to two core switches

Solved: interconnecting two core switches

Solved: Hi all, I need to connect two Cisco C4500X, using a 1000BaseLH transceiver. Each core switch manage its

Routing Between VLANs & Layer 3 Switches

Learn what a Router Sub-interface and a L3 Switch is, as well as how to configure both of them on Cisco devices to enable Routing

How To Connect Two Switches Together In a Network

Switches are typically used in local area networks (LANs) and they allow multiple devices to communicate and share

Electrical Relay and Solid State Relays for Switching

The most common form of electromechanical relay consist of an energizing coil called the

Relay Switch Circuit and Types of Relay Switching Circuits

A relay switch circuit is an electrically controlled switch that uses a low-power DC input signal to control a much higher powered, or

routing at the distributionCore switch

The network diagram is attached (Cores switches are 4506): My question is what is the best solution for users

Understanding Relays: How and When to Use Them

This guide covers relay types, contact configurations, pin labels, selection tips, applications, relay vs. transistor

Core Switch Vs Distribution Switch Vs Access Switch□What

Different types of Ethernet switches perform different roles in the layers of high-capacity networks. Core switches, distribution

Core Switch vs. Distribution Switch vs. Access Switch

Comprehensive guide to Core, Distribution, and Access Switches. Roles in the network and important parameters explained.

Mission Critical Systems L3 Core Switch HA

In this lab, we will use HSRP protocol to create high availability for our topology using two core switches as primary

A Complete Guide to Dual Relay Wiring Diagrams: Everything You

Learn how to wire a dual relay system with our detailed wiring diagram. This diagram provides step-by-step instructions for

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

Designing a redundant switching infrastructure

MLAG between the two core switches? (these cannot be stacked, no stacking ports) for redundancy, the 3 stacks as

Two-Tier Core

Prepare switches for deployment in Aruba Central for building a Two-Tier Data Center. The L2 Two-Tier Data Center

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