

How to connect links to the core switch



Overview

Here's how to chain switches without chaos: Use a high-port or uplink-heavy UniFi switch (e., USW-24-POE or USW-48) as the central hub. Let each peripheral switch connect to the core via a dedicated uplink. Use LAG (2+ ports) for speed and redundancy. So what is the recommendation to avoid any looping, should I create port-channel, Spanning-tree ?

Appreciate your help Thanks 02-10-2021. As shown in Figure 3-11, access switches SwitchB and SwitchC of the data center connect to core switch SwitchA. SwitchB and SwitchC connect to many users, and SwitchA connects to the external network through the egress router. More and more users connecting to the network want to communicate with. This client has the typical network architecture with a pair of 6500s acting as CORE switches and the rest of access switches directly connected to these devices - COLLAPSED DISTRIBUTION/CORE - END-to-END vlans. We are planning to introduce distribution switches to migrate the L2 boundary to those. This article will explore three common connection methods: switch cascading, switch stacking, and switch clustering, and will help you determine the best approach based on network size, performance requirements, and management needs. The hierarchy Ethernet network is a three-layer integrated setup of networking devices.



Article Content

Nov 28, 2025

Best practices when configuring an Access switch stack to Core

Inter-switch trunks should be an LACP bundle of at least two links for redundancy. Spread them across stack members so you don't

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Core-Edge switch design

Hi I have a basic design of 2 core and edge switches shown below. Client PCs will connect to the Edge switching &

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Connecting Core to Access switches

We have currently 2 switches Cisco C9300-NM-8X SFP+ and C9200 4SFP in a server room Planning to rewire 2

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Connecting Core to Access switches

I would recommend at least 2 copper runs per switch, which you can then put in a port channel, so that you have 2

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Core Switches: The Pillar of Network Infrastructure

In the hierarchical network model, the core layer, where the core switch resides, is the backbone of the network. It is

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Using Eth-Trunk to Connect Two Access Switches to a Core Switch ...

More and more users connecting to the network want to communicate with each other. The links between SwitchA and SwitchB, and

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Difference between a core switch and "normal" switch?

What's the difference between a Core Switch and a normal switch? I have 4 switches in a stack that everything connects to. This is

Apr 30, 2026

routing at the distributionCore switch

Hi All I have the following situation where I don't really know which solution to pick, would really appreciate some help

Jul 30, 2025

How to connect to links between Coreswitch and Nexus switch

Hello I need to connect two links between the Coreswitch 6509 (2 Trunk port) and Nexus 3548 (2 Trunk port), Also

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Core Switch vs. Distribution Switch vs. Access Switch

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

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Core layer | FortiSwitch 7.6.0 | Fortinet Document Library

Each aggregation switch requires 5x100-GbE links to the other switches. With the use of a core layer, each aggregation switch only

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Connecting Core & Access switches

No need to connect the access switches together if there is no services shared between. Think about it if both core

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Link between distribution / core switches

Same for switches in core layer. I think a link between distribution layer should be provided in any case (to avoid traffic flowing

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Stackable UniFi switches - benefits and setup | UniHosted

But you can chain switches in a smart, efficient way, and still gain flexibility, scale, and performance. In this guide, we'll walk through

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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

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Understanding Core Switch: What It Is and How to Choose the

In the realm of system networking, three key types of switches are frequently mentioned: access switches, aggregation

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Create and configure a virtual switch with Hyper-V

Learn how to create and configure a virtual switch for use by the Hyper-V host and guest virtual machines.

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Core Switch and Access Switch configuration

HI TEAM, I have a 2 3850 core switch which is on HA and 2960x for my access switch, i required help on 2 things. 1)

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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

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Connecting multiple switches correctly

This switch would be a layer3 switch and would be known as the "core switch" Plug the main server into the core

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L2 vs L3 links between Distribution switch and Core switch.

Hi all, I have the setup which consists of two core and 4 distribution switches, and 4 distribution switches is connected

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How to Connect Multiple Ethernet Switches Using Fiber

If you have multiple Ethernet switches that need to be connected over long distances, fiber is obviously a preferred

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connecting core switch to the internet

- Buy a set of switches to facilitate the layer-2 connection between the routers and to connect the outside of the ASA's. -

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Understanding Core Switch: What It Is and How to Choose the Right

This article delves into the concept of core switches and offers guidance on selecting the right one for your network.

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ISP Hooked Up to Core Switch First... Instead of Straight to The ...

Having a compromised device physically connected to your core switch is no where near the same as having a compromised device

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local area network

How to Connect a Core Switch with an Edge/Client Switch using SFP+ Ports Ask
Question Asked 10 years, 1 month ago Modified 10

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Using Eth-Trunk to Connect Two Access Switches to a Core Switch ...

The links between SwitchA and SwitchB, and between SwitchA and SwitchC require sufficient bandwidth and reliability. Eth-Trunk 1

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Adding a Core Switch with Layer 3

Let me first lay out the current and proposed setups, then my list of items I'd like either corrected, confirmed or

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Distributed Trunking With core and Access Switches?

HP Switches support distributed trunking, so yes you can connect a switch to the trunk. The trunk is a single logical

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Accessing other switches from core switch

Hi guys, I have a basic and a silly question. I have an old catalyst switch and I want to connect these 2 switches

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Solved: Connecting switches to core switch | Experts Exchange

or can i just connect one of the switch (main switch on 23rd) to the core with the highest bandwidth possible such as

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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

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Core Switch Vs Distribution Switch Vs Access Switch□What

Most access switches need to connect various end-user equipment ranging from IP phones to PCs, cameras, etc, While the core

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L3 or L2 Link between Core Switches

Thanks for the reply but I would like to know if it's possible to configure the CORE-2-CORE link as L2 and form those

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Core Switch Room Uplink Connectivity

The document outlines the uplink connectivity configurations between core switches and hub rooms, detailing connections between

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How to Connect Multiple Ethernet Switches

This article will explore three common connection methods: switch cascading, switch stacking, and switch clustering,

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Connecting multiple cisco dwitches together

What is the best approach, protocol and configuration to use when connecting 3 nx 9000 cisco switches together as

Contact Us

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