

How to interconnect two aggregation switches



AI Overview

To interconnect two aggregation switches, use link aggregation technologies like MLAG, MC-LAG, or EtherChannel to combine multiple physical links into a single logical connection for redundancy and increased bandwidth. Key

Concepts Aggregation switches consolidate traffic from multiple access switches and forward it to core switches or routers. Interconnecting two aggregation switches ensures high availability, load balancing, and failover in case one switch or link fails .

The main technologies used are: MLAG (Multi-Chassis Link Aggregation): Aggregates ports across two switches to appear as a single logical link to connected devices, providing active-active Layer 2 redundancy and efficient bandwidth utilization . MC-LAG (Multi-Chassis LAG in UniFi): Similar to MLAG, used in UniFi networks to connect two ECS-Aggregation switches, enabling seamless failover and load balancing

. EtherChannel (Cisco): Combines multiple physical links into a single logical channel, which can be configured as static or dynamic (LACP) and supports trunking for multiple VLANs .

Steps to Interconnect Two Aggregation Switches Select Ports for Aggregation Choose multiple ports on each switch that will form the aggregated link.

Ensure all ports have the same speed and use identical SFP modules or DAC cables for proper negotiation .

Configure Link Aggregation MLAG/MC-LAG: Configure one switch as the primary (Top Switch) and the other as secondary (Bottom Switch).

Define the aggregated ports and assign them to the MLAG/MC-LAG group. Save the configuration on both switches .

EtherChannel (Cisco): Create a port channel on each switch, add the selected ports, and configure LACP or static mode. Ensure the port channel is trunked if multiple VLANs are required .

Connect the Switches Physically Use multiple cables to connect the selected ports between the two switches. For re...

Article Content

Configuring MC-LAG in UniFi Network – Ubiquiti Help Center

Configuring MC-LAG in UniFi Network Multi-Chassis Link Aggregation Group (MC-LAG) enables redundancy and load balancing by connecting two ECS-Aggregation switches as an MC-LAG pair.

Setting up VLAN across 2 switches with link aggregation

I'm struggling for the definitive answer on this, so i'm hoping someone here can help I have 2 D-Link smart switches (a DGS1224T and a DGS-1210 24) I'm going to use them together to

Ethernet Switch Port Types Explained 2026: RJ45,

A complete engineering guide to Ethernet switch port types: RJ45, SFP, SFP+, SFP28, QSFP+, QSFP28, Combo, Stack, PoE, access/trunk/hybrid

UniFi link aggregation: the ultimate guide | UniHosted

Link aggregation is essential for connecting switches together. It lets you create a bigger "data highway" between them, ensuring fast communication between different parts of the network.

Connecting Two Network Switches Together

In this video we take a look at the different ways of connect 2 switches together. There are many different ways of connecting two or more switches together but we take a look at a few different ways.

Aggregation layer | FortiSwitch 7.6.0 | Fortinet Document Library

Having 8x100-GbE ports allows for six ports to go to the core switches and two ports to connect the aggregation layer in MCLAG together (ICL) at a very high speed.

Understanding Switch Aggregation: A Comprehensive Guide

Switch aggregation, also known as link aggregation or trunking, is a method used in computer networking to combine (aggregate) multiple network connections in parallel.

Introduction and Configurations of Arista MLAG

Talking about Arista MLAG first, Arista's Multichassis Link Aggregation (MLAG) feature removes this bottleneck and allows the utilization of

Multi-Chassis Link Aggregation

At the spine layer, two switches can form an MLAG pair and aggregate all of the uplinks from the datacenter racks. This eliminates Spanning Tree blocked ports and allows you to use the

Best practice for chaining switches together?

Two 10gb fibres connect adjacent pairs of buildings so as to form a "ring". The switches will present numerous vlans on their access ports. Some vlans are unique to a given building and will

What Is an Aggregation Switch and How to Choose?

An aggregation switch is a network device that consolidates traffic from multiple access switches, wireless access points, or other edge devices and

EOS 4.36.1F

Deploying MLAG removes over-subscription by configuring an MLAG link between two aggregation switches to create a single logical switching instance that utilizes all connections to the switches.

Solved: Link aggregation to 2 core switches

Hi guys, We're planning to purchase 2 x WS-C3750G-12S-E core switches and a WS-C2960G-48TC-L access switches. I'd like to know, is it

How to Connect Two Switches Together: A Comprehensive Guide

How to connect two switches together? Are you looking to expand your network infrastructure and connect multiple switches together? Connecting switches can be achieved through

Network Switches

Cisco network switches deliver performance, flexibility, and security. Cisco switches are scalable and cost-efficient and meet the demands of hybrid work.

networking

However, our network organization does not support link teaming/aggregation between switches for switches they don't install and control themselves (for reasons that make sense for our

Understanding Switch Aggregation: A Comprehensive

Defining switch aggregation and its role in network architecture Switch aggregation, also known as link aggregation or trunking, is a method

Linking Ubiquiti Aggregation Switches

No issues as such, but obviously you will now have 2 aggregation points so you should ensure there is no bottleneck. Traffic from switches linked to the new aggregation switch will all need

How to Connect Two Switches Together: A Comprehensive Guide

Connecting switches can be achieved through two common methods: cascading and stacking. In this guide, we will explore these two approaches and provide you with the necessary

Link Aggregation and Multi-layer switches

1. Use Packet Tracer to put up the topology above. Connect the two multi-layer switches (MLS) with a Gigabit uplink 2. Configure IP addresses where appropriate. Include the layer-2

How to Connect Multiple Switches together

The post introduces how to connect multiple switches together by three methods including cascade, stack, and cluster.

What Is an Aggregation Switch and How to Choose?

Discover the role of aggregation switches. Explore differences between aggregation, access, and core switches, and choose the right model for your network.

How To Set Up Switch Link Aggregation

Managed switches provide many advantages for a growing network, including support for VLANs, QoS, and Trunking. I touched on simple VLAN configuration

Everything You Need to Know About Aggregation Switch

An aggregation switch operates at Layer 2 or Layer 3 of the OSI model, depending on the configuration and topology of the network. The

800G to 1.6T Optical Interconnects: AI Cluster Maturity Assessment

In-depth analysis of 800G to 1.6T optical interconnect evolution for AI clusters, examining PAM4, modules, CPO, and supply chain readiness.

Contact Us

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