

How to use VLANs and aggregation ports on a switch



Overview

Learn how to configure VLANs on a Cisco switch using the command-line interface (CLI). Improve network security, reduce traffic, and enhance performance by segmenting. The following are prerequisites and considerations for configuring VLANs: Before you create VLANs, you must decide whether to use VLAN Trunking Protocol (VTP) to maintain global VLAN configuration for your network. Virtual Stacking provides centralized management of switch ports. Unlike traditional stacking, virtually stacked switches do not require a physical. Configuring VLANs (Virtual Local Area Networks) on switch ports is essential for network segmentation and performance. This guide provides a step-by-step walkthrough on how to configure VLAN on Cisco switch, covering VLAN creation, assigning ports to VLAN Cisco switches, configuring trunk ports, best. To configure VLANs and Voice VLANs on an Ethernet switch, the following steps can be followed: Access the switch's configuration interface: This can be done through a web-based management interface or a command-line interface (CLI).

Article Content

Setting up VLAN across 2 switches with link aggregation

Hummm, this is an interesting setup. Lets be clear; link aggregation is different than vlan trunking (tagging). You can have a LACP trunk that is untagged (no vlan info) and you can have a

Switch Ports

On the Switching > Monitor > Switch Ports page, administrators can name ports, turn ports on/off, enable spanning tree (RSTP), define port types (access/trunk), and specify VLANs (data

Virtual Network (VLAN) Troubleshooting

2. The Network Override feature is used to assign a device to a VLAN that is not allowed (tagged) on an upstream switch port. The UniFi device will be

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

Instagram

0 likes, 0 comments - synologyke on May 5, 2026: "The Huawei CloudEngine S5735-L48T4XE-A-V2 is a Layer 3 enterprise access switch from Huawei's CloudEngine S5735-L-V2 series, designed for

Switch Port VLAN Assignment (Trunk & Access Ports)

This will break connectivity and clients will not be able to join. Use the Tagged VLAN Management setting to configure any VLAN restrictions. Allow All (Trunk

How to configure 802.1Q VLAN for LAG ports on Smart

LAG (Link Aggregation Group) is a technology that can aggregate multiple physical ports into a logical interface, increasing link bandwidth and providing backup

Switch Port VLAN Assignment (Trunk & Access Ports)

Configuring VLANs (Virtual Local Area Networks) on switch ports is essential for network segmentation and performance. This article explains how to apply

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How to Configure a Switch to Support Multiple VLANs?

An access port carries traffic for only one VLAN, while a trunk port carries traffic for multiple VLANs. Access ports are typically used to connect end

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The second largest domain. Covers OSI and TCP/IP basics, common ports and protocols, network attacks, threat actors and their motivations, common defenses like firewalls and IDS/IPS,

What is Link Aggregation (LAG) in Networking?

Link aggregation is a technique used in networking to bundle multiple physical ports on a network device to operate as a single link. The aggregated link acts as a

How to Configure VLAN on Cisco Switch: Step-by-Step ...

This guide provides a step-by-step walkthrough on how to configure VLAN on Cisco switch, covering VLAN creation, assigning ports to VLAN Cisco switches, configuring trunk ports, best practices, and

Contact Us

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