EIT Opto-Routing

VLAN aggregation via a two-layer switch

Powered by EIT Opto-Routing

VLAN aggregation via a two-layer switch

What is VLAN and how it works

A LAN is a grouping of two or more devices on a network. A VLAN is a virtual LAN, a subgroup within a local network. VLANs make it easy for network administrators to separate a single switched network

Building a Multi-Switch VLAN Network: A Successful

Recently, I built a multi-switch VLAN network in Cisco Packet Tracer, connecting different departments while ensuring seamless communication within

Example for Configuring VLAN Aggregation

Configure VLAN aggregation on Switch B to add VLANs of different departments to a super-VLAN so that PCs in different departments can access the Internet using the super-VLAN.

Comprehensive Guide to Layer 2 Switching and VLANs

Layer 2 switching combined with VLANs and advanced security features forms the backbone of modern network architecture. A solid understanding of STP, RSTP, and security

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

Multi-Chassis Link Aggregation

The Cumulus Linux implementation is truly a multi-chassis link aggregation protocol so this document uses MLAG. MLAG enables a server or switch with a two-port

switch

To connect two switches with VLANs together, the ports between those switches must be Trunk ports (Cisco jargon for tagged ports). For VLAN 1 and VLAN 2 to be able to talk to each other

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 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 a

How to Configure VLANs Using Network Switches and

Step-by-step instructions for configuring VLANs using network hardware. Learn how to segment your network, improve security, and manage

Link Aggregation, LAG, LACP and MLAG in 2026:

This guide explains how they work, static vs LACP, load balancing, server NIC bonding, STP interaction, and design best practices for campus and

Link Aggregation and Multi-layer switches

Connect the two multi-layer switches (MLS) with a Gigabit uplink 2. Configure IP addresses where appropriate. Include the layer-2 (access) switch and the workstation. Use a private IP.

Aggregation Layer

VLAN-A and VLAN-B traffic are then routed over 802.1q trunks between the core and aggregation-layer switches. The routed interfaces, that are typically switch virtual

interfaces (SVIs) on the core and

Bridging and VLANs , Junos OS , Juniper Networks

Network switches use Layer 2 bridging protocols to discover the topology of their LAN and to forward traffic toward destinations on the LAN. This

MLAG High Availability Explained - How Link

Learn how MLAG (Multi-Chassis Link Aggregation) improves high availability and eliminates single points of failure. Discover its architecture,

What are Link Aggregation Groups (LAGs) and how

do

What are Link Aggregation Groups (LAGs) and how do they work with my managed switch? Link aggregation lets a switch treat multiple physical links

Data Center Access Layer Design

VLAN extension--The Layer 2 access topology provides the flexibility to extend VLANs between switches that are connected to a common aggregation module. This makes provisioning of servers to

Setting up VLAN across 2 switches with link aggregation

I also had a VLAN on each switch for the LAN traffic from the virtual servers, but each switch then had an ethernet cable out of that rack and into our main switching rack (with 6 more

What is a VLAN (Virtual LAN)?

A VLAN, like the LAN it sits atop, operates at Layer 2 of the network, the Ethernet level. VLANs partition a single switched network into a set of

VLANs and 2 switches

I have some wireless networks that are assigned to VLANs that will be handled by the second switch. Therefore I need to be able to access some of the VLANs on both switches.

Setting up Two Vlans on Two Switches

I have two Cisco switches and was told to add VLAN 100 for 192.168.70.0/24, then to add VLAN 200 for 192.168.45.0/24. My questions are am i supposed configure trunking to carry the traffic

Multi-Chassis Link Aggregation

MLAG enables a server or switch with a two-port bond, such as a link aggregation group (LAG), EtherChannel, port group or trunk, to connect those ports to

EOS 4.36.0F

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

Data Center Aggregation Layer Design and Configuration with

This chapter covers the design recommendations for a data center design deployment consisting of a Cisco Nexus® 7000 Series Switch at the aggregation layer and a Cisco Nexus 5000 Series Switch at

Contact Us

For datasheets, pricing, or custom optical networking solutions, please visit: https://www.entrenamientointeligente.es