

How to achieve aggregation between two VLAN switches



Overview

Learn how to configure a Cisco Switch Link Aggregation using the command-line, by following this simple step-by-step tutorial, you will be able to create a new Link aggregation and configure the link aggregation in access mode or as a trunk that allows the traffic of 2. Learn how to configure a Cisco Switch Link Aggregation using the command-line, by following this simple step-by-step tutorial, you will be able to create a new Link aggregation and configure the link aggregation in access mode or as a trunk that allows the traffic of 2. If you want to make an etherchannel you need first make they have the same interface capabilities, all of them need to be FastEthernet or GigaEthernet, same speed, duplex. So on your example I recommend FastEthernet only or GigaEthernet only. Now once they are equal interface, you can use, example:. Will I need to create seperate trunks/aggregated links on the other vlans, or by adding ports 22&24 to the other vlans, allow all traffic to go over the aggregated link, but still be segregated on its own vlan?

Best practice / any advice appreciated. Hummm, this is an interesting setup. Lets be. In this article, I'm going to describe how to set up Link Aggregation between two managed switches to provide connectivity, redundancy, and expanded bandwidth. My plan was to have my three switches use all four of the 10Gb uplink ports to a fourth "aggregator switch" so that I'd have the necessary bandwidth for a total of 12 10Gb links to the aggregator. Aggregating multiple interfaces into a trunk to create a link has the following advantages: Link aggregation increases the bandwidth of the individual network interface. This document describes the configuration of Ethernet services, including configuring link aggregation, VLANs, Voice VLAN, VLAN mapping, QinQ, GVRP, MAC table, STP/RSTP/MSTP, SEP, and so on.

Article Content

May 19, 2026

How to set up switch Link Aggregation (LAG) - HeelpBook

LAG example We're going to set up Link Aggregation between two gigabit switches: an 8 port Linksys SRW2008; and a 16 port Netgear GS716GT, shown in Figures

Apr 18, 2026

Link Aggregation on Cisco Switch

Learn how to configure a Cisco Switch Link Aggregation using the command-line, by following this simple step-by-step tutorial, you will be able to

Oct 31, 2025

Datacenter Core and Aggregation Design

This design employs a pair of redundant Cisco Nexus 7010 switches on the aggregation and core layers. Virtual device contexts (VDCs) of the Nexus

Jul 22, 2025

Setting up VLAN across 2 switches with link aggregation

I had to remove the tagged aggregated ports from this VLAN, otherwise a routing loop would occur between the 2 switches in this rack and the switches in the other rack that were

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Link Aggregation or/and Multiple VLANs | Synology Community

A Cisco ISR 900 series manages all the rest of the network with four Vlans, distributed over two Cisco SG250 switches. I have a Synology DS220+ on one of the VLANs in the network and

Apr 27, 2026

Using Link Aggregation with Tagged VLANs for a Two

Perform the following tasks to configure two interfaces (tagged VLANs) to function as a single link with higher bandwidth. In this implementation, each tagged VLAN is

Jul 09, 2025

Understanding VLAN Aggregation

By mapping a super-VLAN to sub-VLANs, VLAN aggregation associates the Layer 3 VLANIF interface with physical interfaces. This allows all sub-VLANs to share one gateway to communicate with an

Sep 08, 2025

Link Aggregation

It organizes multiple parallel links between two switches into a link aggregation group (LAG), which then operates as a single link. Here, traffic is split at the ingress of the aggregate link, packet by packet, to

Oct 28, 2025

Understanding Switch Aggregation: A Comprehensive

QSFPTK: How to Choose the Best Aggregation Switch?: This source provides a comprehensive guide on choosing the best aggregation switch,

Jan 05, 2026

How To Set Up Switch Link Aggregation

I'm going to set up Link Aggregation between two gigabit switches: an 8 port Linksys SRW2008; and a 16 port Netgear GS716GT, shown in Figures 1 and 2 below. We

Nov 08, 2025

VLAN Aggregation Configuration

This chapter describes how to configure VLAN aggregation. VLAN aggregation allows for communication between hosts on the same network segment that are in different VLANs.

Mar 15, 2026

Link Aggregation and Ethernet Bonding Feature Overview and ...

What is link aggregation? Link aggregation is a key component in resilient network design, since it increases the available bandwidth between network devices and it provides continuity of connectivity

Aug 29, 2025

What is a virtual LAN (VLAN) and how does it work with

Adding virtual LAN (VLAN) support to a Layer 2 switch offers some of the benefits of both bridging and routing. Like a bridge, a VLAN switch forwards

Feb 25, 2026

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

Sep 27, 2025

How to merge VLANs?

Hi Alexandr, Do the two VLANs have different subnets? If so, you will not be able to merge them, but instead will have to route between them. If they do have identical subnet configuration but

Jul 24, 2025

What is Link Aggregation (LAG) in Networking?

How Link Aggregation Works The primary function of LAG is to combine multiple network links between two devices into one logical link. This combination leads to

Oct 23, 2025

Cisco Switch Port Aggregation

How to configure an etherchannel link between 2 cisco 2960 switches. The etherchannel allows to combine several physical switch ports into one logical port.

Sep 26, 2025

Use Link Aggregation to increase bandwidth and redundancy between ...

Knowledge Base > Switch > Use Link Aggregation to increase bandwidth and redundancy between VigorSwitches Link Aggregation is a method that helps to handle two or more physical links between

Dec 31, 2025

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

Oct 11, 2025

Example for Configuring VLAN Aggregation

You can configure VLAN aggregation on the switch to isolate VLAN 2 from VLAN 3 at Layer 2 and allow them to communicate at Layer 3. VLAN 2 and VLAN 3 use the same subnet segment, saving IP

Jul 21, 2025

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

Oct 23, 2025

VLANs and 2 switches

I may go this route but will need to set up a DHCP server on the network as well as set up rules in the switches. That's certainly possible (and probably the most "professional" answer), but

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How to configure Link Aggregation on Cisco Switch

how to configure inter vlan routing and dhcp server on cisco switch layer 3 Full interview: Anthropic CEO responds to Trump order, Pentagon clash how to configure cisco core switch HSRP active active

Oct 02, 2025

What are link aggregation and LACP and how can I use

Link aggregation allows you to combine multiple Ethernet links into a single logical link between two networked devices.

Apr 27, 2026

LAN Aggregation

An administrator wants to form an EtherChannel between the two switches by using the Port Aggregation Protocol. If switch S1 is configured to be in auto mode, which mode should be

Jan 15, 2026

Configuring Link Aggregation, VLAN Trunking & Assigning Multiple VLANs

In this video, I walk you through configuring link aggregation (LAG), setting up a LAG group, and assigning it to a VLAN. We'll explore VLAN modes, particularly trunk ports, and how to assign ...

Nov 10, 2025

Data Center Aggregation Layer Design and Configuration with ...

Introduction 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

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