

VLAN Switch Link Aggregation

5-INCH COLOR TOUCHSCREEN
Intuitive operation, easily accessible with just one touch



Article Overview

Link aggregation combines multiple physical switch ports into a single logical link, increasing bandwidth and redundancy while supporting VLAN traffic.

What is Link Aggregation?

Link aggregation, also called port trunking, port teaming, or LAG (Link Aggregation Group), allows multiple Ethernet links between two devices to act as a single logical connection. This can be applied between switches, servers, NAS devices, or multi-port access points. The aggregated link provides:

- Increased bandwidth: Multiple 1 Gbps links can combine to deliver higher throughput.
- Redundancy: If one link fails, traffic continues over the remaining links.
- Load balancing: Traffic is distributed across all member links.

VLAN Integration

A LAG can carry VLAN traffic just like a single trunk port. When configured as a trunk, the LAG can transport multiple VLANs between switches, ensuring that VLAN segmentation is maintained across the aggregated links. Each switch treats the LAG as a single logical interface, simplifying VLAN configuration.

LACP vs Static LAG

- LACP (Link Aggregation Control Protocol): An IEEE 802.3ad standard that dynamic...

Article Content

Feb 12, 2026

Link Aggregation, LAG, LACP and MLAG in 2026:

Network-Switch can help you pick the right switches, design the right topology, and

Jul 22, 2026

Link Aggregation (LAG) im Netzwerk

Link Aggregation geht im Netzwerk (fast) immer mit LACP (Link Aggregation Control

Jul 09, 2026

Configuring Cisco Switches for Link Aggregation Load Sharing Mode

These are sample configuration commands for Cisco switches (for the exact commands, refer to the Cisco

Nov 30, 2025

Chapter 3: Link Aggregation

Chapter 3: Objectives Explain the operation of link aggregation in a switched LAN environment. Describe EtherChannel technology.

Oct 09, 2025

Configuration Guide for Cisco NCS 4000 Series

This chapter describes the procedures to configure Link Aggregation on Cisco NCS 4000 Series routers. Link

Oct 05, 2025

Link Aggregation – Wikipedia

Link Aggregation (kurz: LA) bezeichnet im Rahmen der Netzwerktechnik verschiedene Verfahren zur Bündelung mehrerer

Jul 23, 2026

How to Configure LAG/LACP and VLANs using SFP Ports on Two TP-Link Switches

In this guide, I will be demonstrating how to set up a LAG (Link Aggregation Group) using LACP. The two TP-Link

Oct 08, 2025

Understanding Switch Aggregation: A Comprehensive

Defining switch aggregation and its role in network architecture Switch aggregation, also

Oct 06, 2025

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

Nov 06, 2025

What Is Link Aggregation and Link Aggregation Switch?

You can surely make it by implementing link aggregation and link aggregation switch. We're going to share some

Jan 16, 2026

Link Aggregation Group

Using multi-LAG, you can connect multiple uplinks from the controller to separate uplink switches. Bundles several physical ports

Jul 08, 2026

What are link aggregation and LACP and how can I use them in my

Network devices and management functions treat the link aggregation group (LAG) of multiple Ethernet connections as

Jul 02, 2026

Link Aggregation: Static vs Dynamic, LACP, and MLAG

This article provides a comprehensive explanation of link aggregation — covering LACP,

Jan 05, 2026

What Are Link Aggregation, LAG, and LACP?

What Is LAG and How Does It Work? Link Aggregation Group (LAG) is the practical implementation of link

Mar 16, 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

Feb 14, 2026

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

Nov 18, 2025

Link Aggregation Configuration

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - Ethernet Switching This document describes the

Sep 06, 2025

Configuring Link Aggregation, VLAN Trunking & Assigning Multiple VLANs

In this video, I walk you through configuring link aggregation (LAG), setting up a LAG

Nov 12, 2025

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

Jan 10, 2026

Understanding VLAN Aggregation

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - Ethernet Switching This document describes the

Apr 24, 2026

Switching

The article explains how to set up Link Aggregation (LAG) on a switch, detailing the differences between Static LAG and LACP (Link

Sep 13, 2025

MLAG High Availability Explained – How Link Aggregation Plus Works

MLAG allows two switches to act as one logical device, providing both link-level and device-level redundancy. This

Sep 08, 2025

Tutorial of Switch Link Aggregation (V4.80) — Zyxel Community

Introduction Link Aggregation is a feature that aggregates physical ports of a switch into a logical link, allowing it to accommodate

Jun 13, 2026

How to configure Link Aggregation

Link Aggregation is used to increase the available bandwidth between the firewall and a switch by aggregating up to

Aug 19, 2025

Configuring LAG Settings on a Switch through the Command Line ...

Link Aggregation Control Protocol (LACP) Commands Step 1. From the Privileged EXEC mode of the switch, enter

Sep 11, 2025

Link Aggregation und LACP Grundlagen - Thomas-Krenn-Wiki

Link Aggregation mit mehreren Switches an einem Ende der Link Aggregation wie etwa bei Split Multi-Link Trunking (SMLT) von

Nov 30, 2025

Erweitern Sie Ihr Netzwerk mit einem Link Aggregation Switch:

Entdecken Sie die Vorteile, die Konfiguration und die Best Practices der Verwendung eines Link Aggregation

Contact Us

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