

Switch as a dual-NIC aggregation



Overview

MC-LAG (Multi-Chassis Link Aggregation Group) allows two switches to work together as a single logical unit, providing both load balancing and redundancy. It helps in managing higher traffic loads between switches. Switch-to-Client Aggregation: This is beneficial. In computer networking, link aggregation is the combining (aggregating) of multiple network connections in parallel by any of several methods. For example, two 10-gigabit Ethernet ports, one each from two MLAG configured switches, can connect to two 10-gigabit ports on a host, switch, or network device to create a link that. Link Aggregation is a nebulous term used to describe various implementations and underlying technologies. While there are many approaches, this article.



Article Content

Jan 11, 2026

Nic Teaming

Yes, for NIC Teaming to function optimally, all four Ethernet adapters on the Dell i350 4-port card should be selected. This allows the system to combine the bandwidth of all four ports, ...

Dec 15, 2025

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.

Sep 03, 2025

EOS 4.36.0F

High availability data center topologies typically provide redundancy protection at the expense of over-subscription by connecting Top-Of-Rack (TOR) switches and servers to dual aggregation switches.

Nov 06, 2025

Link Aggregation and Load Balancing

In order to configure 2 or more ports (up to 8) to be a port aggregate, simply navigate to Switching > Monitor > Switch ports and select the target ports, then choose "Aggregate".

Aug 08, 2025

Port Aggregation FAQs

MC-LAG (Multi-Chassis Link Aggregation Group) allows two switches to work together as a single logical unit, providing both load balancing and redundancy. This setup ensures minimal downtime by ...

Apr 21, 2026

Link aggregation

Nortel's split multi-link trunking (SMLT) protocol allows multiple Ethernet links to be split across multiple switches in a stack, preventing any single point of failure and additionally allowing all switches to be ...

Aug 20, 2025

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 covered both switches here a while ...

Feb 16, 2026

Unlock Speed with Ethernet Port Aggregation Guide

Ethernet port aggregation, also known as Ethernet link aggregation, port bonding, or network link aggregation, combines multiple ports into one. This increases bandwidth and adds ...

Nov 03, 2025

Link aggregation

OverviewLimitationsMotivationArchitectureIEEE link aggregationProprietary link aggregationSupportLinux drivers

With the modes balance-rr, balance-xor, broadcast and 802.3ad, all physical ports in the link aggregation group must reside on the same logical switch, which, in most common scenarios, will leave a single point of failure when the physical switch to which all links are connected goes offline. The modes active-backup, balance-tlb, and balance-alb can also be set up with two or more switches. But after failover (like all other modes), in some cases, active sessions may fail (due to ARP problems) an...

Feb 02, 2026

GWN78XX(P) – Link Aggregation Guide

Overview Link aggregation, also known as port aggregation or NIC teaming, is a technique used in layer 2 and layer 3 network switches to combine multiple physical links into a ...

Jun 20, 2026

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 data center.

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