

Disadvantages of multi-location aggregation switches



Overview

The failure of the master switch may affect other stack members, and the reliability is low. Relatively high: Control planes are independent and the fault domain is isolated. MLAG vs stacking is frequently discussed in network architecture, as both enable multiple switches to function as a single logical device. While MLAG and switch stacking enhance redundancy, performance, and operational simplicity, their architectural differences can significantly impact network. They are literally 6x more expensive, unless you truly need more than 8 aggregation ports (why?

) or 25Gb links, why waste all that money?

It's like asking "why do people recommend a Kia when you can just drive a Bentley?"

" Pro, cheap, 10GB, fully managed Con, L2 only, limited to 4 10GB rj45. MLAG is the ability of switches to appear as a single switch at layer 2, so that bundles of links in the form of LAGs can be diversely connected to each switch and appear as one. LAGs are typically created North & South i. Also. EVPN multihoming (EVPN-MH) is a standards-based solution that uses Border Gateway Protocol (BGP) as its control plane, offering better interoperability compared to proprietary MLAG technology. EVPN-MH utilizes different route types, including Type-1 for mass withdrawal, aliasing, and load sharing.



Article Content

Feb 05, 2026

What is Multi-Chassis LAG (MLAG)?

Multi-Chassis Link Aggregation or MLAG is a network technology that allows two or more network switches to appear as a single logical switch for link

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Switch Stacking vs MLAG vs LACP

More switches can be added to the link aggregation group using MLAG. MLAG topology can largely scale network capability, boost system

Dec 15, 2025

What Is Switch Virtualization Technology and What Are Stacking and

This document describes the concepts of stacking and Multichassis Link Aggregation Group (M-LAG), their functions on the network, as well as their differences.

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FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Apr 27, 2026

What are the disadvantages of the aggregation switch? : r/Ubiquiti

So often when people request help for 10gbe networking, they are recommended the aggregation switch. I've read about what the aggregation switch does, and I don't totally understand the pros and

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Chapter 2

Multiple aggregation modules in the aggregation layer support scaling of connectivity from the access layer. The aggregation layer supports integrated service modules that provide services such as

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Aggregation Layer

The core-layer switch has both upstream and downstream 802.1q trunks while the aggregation-layer switch has upstream 802.1q trunks and downstream access links. The multi-VRF configuration is

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Everything You Should Know About Switch Stacking

Multi-chassis link aggregation group (MLAG) is a multi-device link aggregation technology designed to make two switches act as one switch. By bundling ports from different MLAG peer

Sep 19, 2025

Why You Need a Fiber Aggregation Switch and How it

What is a Fiber Aggregation Switch? Understanding Fiber Aggregation Fiber aggregation is the act of combining many fiber optic cables into

Jul 14, 2025

What is an Aggregation Switch?

The aggregation switch is located in the middle of the network architecture, which is equivalent to a middle-level manager of a company. It

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What is an Aggregation Switch? | Features and Practical Benefits

Conclusion: What is an aggregation switch? In network architecture, they are now extremely important. The technology behind these switches is link aggregation which is the process

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In-depth analysis: What is an aggregation switch?

In many network constructions, we have all heard of switches. So do you really understand switches? Why are aggregation switches often overlooked?

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Multi-chassis link aggregation group

A multi-chassis link aggregation group (MLAG or MC-LAG) is a type of link aggregation group (LAG) with constituent ports that terminate on separate chassis, primarily for the purpose of providing

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MLAG vs. Stacking vs. LACP

MLAG (Multi-chassis Link Aggregation Group): a non-standard protocol, that implements link aggregation among multiple devices. The devices

Mar 17, 2026

Data Center Switch: MLAG, Stacking, LACP

Link aggregation and stacking are common approaches to bundle multiple network connections into one logical link. Compared to conventional connections, these methods are best described as scalable

Apr 24, 2026

MLAG vs Stacking Explained

Ability to upgrade one switch at a time without effecting service. Expand port capacity beyond the limitation that you could with stacking, by simply

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Multi-Chassis Link Aggregation

Multi-Chassis Link Aggregation Historically, the capabilities of networking technologies have often missed the network designer's performance requirements by as much as an order of magnitude. For

May 04, 2026

Switch Stacking vs Link Aggregation | Cycle.io

Learn more about how switch stacking and link aggregation serve different purposes, but they are often used together to build resilient and scalable networks.

May 23, 2026

What Is an Aggregation Switch?

What Is an Aggregation Switch? Unveiling the Network's Backbone An aggregation switch is a powerful networking device that consolidates connections from multiple access switches,

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What is Multi-Chassis LAG (MLAG)?

Multiple links combined act as one logical link and in case any physical link fails the traffic is automatically shifted onto another link in bundle

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MLAG and Stacking in Modern Networking Architectures

MLAG achieves resilience by aggregating links across multiple switches, allowing traffic to failover in the event of a switch failure. Stackable

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MLAG vs. Stacking Differences: Which Is a Better Option?

This article examines the key differences between MLAG vs stacking, compares their pros and cons, and explains when to choose MLAG or switch

Jun 21, 2026

All you need to know about fiber aggregation points

These are: Aggregation switches/routers: The centralized aggregation points where multiple fiber optic links are consolidated into the core

Jul 24, 2025

Comparing Solutions for Boosting Data Center

In this post, we discuss the pros and cons of the well-known proprietary multi-chassis link aggregation group (MLAG) compared to standards

Oct 13, 2025

MC-LAG vs Cisco vPC: What You Need to Know

MC-LAG enables link aggregation across multiple switches, so that if one switch fails, traffic is automatically rerouted through the other switch without

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