

What type of switch should be used at the monitoring aggregation point



Overview

TAP aggregation switches link all of the monitoring devices to specific points in the network fabric that handle the packets that need to be observed. By bundling multiple network connections into a single high-bandwidth link, aggregation switches help. An Aggregation or "Top-of-Rack" switch is designed to connect everything in a rack at high speeds, then have an even bigger pipe out to the rest of the network. The Pro Aggregation does this with its SFP28 25Gbps ports. 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. Switch aggregation refers to the concept of consolidating multiple access layer switches into a single aggregation layer switch in a traditional three-tier network design. The aggregation layer serves as the convergence point for multiple access layer switches and is responsible for handling all. In this deployment the Aggregation switch will have dual purposes, providing power and layer 2 access to wired devices and access points, while also aggregating downstream aggregation switches.



Article Content

Jun 12, 2026

Cisco Nexus 9000 Series NX-OS System Management Configuration

From each network element, you can use switched port analyzer (SPAN) ports or optical TAPs to send traffic flows directly to this TAP aggregation switch. The TAP aggregation switch is

Jan 14, 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 aggregation, where multiple physical ports are combined into a single logical

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Medium Branch Switch Configuration

this section of the guide will demonstrate how to configure a Aggregation switch with dual purposes, providing power and layer 2 access to

Sep 16, 2025

TAP Aggregation Switch: Key to Monitor Network Traffic

TAP aggregation switch deployed between point A and B passes all traffic through unimpeded, but it also copies that same data to its monitor port,

May 15, 2026

Optimizing Your Network: A Comprehensive Guide to Link Aggregation

Link aggregation is also known as port aggregation and is primarily used in network LACP setups to optimize the connection between network switches, routers, and other devices. By utilizing

May 09, 2026

Essential FAQs about Link Aggregation, LAG, and LACP

Link aggregation, LAG, and LACP explained with key benefits, types, differences, and setup tips to improve network speed, balance, and fault tolerance.

Sep 15, 2025

What is Switch Aggregation, Its Role and Selection Advice

Port types and numbers: Since aggregation switches need to aggregate data from multiple access switches and forward it to the core switch, the port types and numbers of both

Dec 04, 2025

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?

Mar 27, 2026

Link Aggregation: What is it, and How Does it Work?

Link aggregation is a way of bundling a bunch of individual Ethernet links together so they act like a single logical link. Learn more on the Auvik blog

Apr 10, 2026

Etherchannels and Link Aggregation Protocols – Chapter Summary

The following section is a summary of the major points you should be aware of in this chapter.

Sep 27, 2025

Link Aggregation: Static vs Dynamic, LACP, and MLAG

Understand how link aggregation (LACP, MLAG, static vs dynamic) improves bandwidth and redundancy. Learn configuration steps on Cisco and

Nov 26, 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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Why You Need a Fiber Aggregation Switch and How it

Q: What should I look for in a Layer 2 switch to be used for aggregation purposes? A: For an aggregation layer two switches, consider high

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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

Aug 18, 2025

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,

Aug 02, 2025

TAP Aggregation for Network Monitoring

TAP (test access point) aggregation, like port mirroring, is a network monitoring and troubleshooting tool. Unlike port mirroring, TAP aggregation provides N:M (any-to-any) packet replication, allowing you to

Mar 21, 2026

Aggregation Switch

An Aggregation or "Top-of-Rack" switch is designed to connect everything in a rack at high speeds, then have an even bigger pipe out to the rest of the network. The Pro Aggregation does this with it's

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What is an Aggregate Switch?

Misconception: Any switch can be used as an aggregate switch. Reality: Aggregate switches require higher performance and specialized features to handle the increased traffic load.

Jun 08, 2026

What Is an Aggregation Switch and How to Choose?

When selecting an aggregation switch, you need to consider the uplink port type and number of the network access switches, as well as the

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Aggregation Switch

An aggregation switch refers to a type of switch used to connect multiple ToR switches to a core switch/router in a cloud data center network. It enables high-bandwidth aggregation ports to be

Jul 21, 2025

How to Choose Best Aggregation Switch?

Aggregation layer switches typically accept all traffic from the access layer and forward it to the core, so to ensure a high performance and secure

Jul 31, 2025

Everything You Need to Know About Aggregation Switch

Aggregation switches handle link aggregation by using LACP or Static Link Aggregation protocols. LACP is a dynamic protocol that automatically

Oct 24, 2025

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

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EOS 4.36.0F

In the figure below, Switch A and Switch B are peer switches in the MLAG domain and connect to each other through the peer link. Each peer switch uses the peer

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Test Access Points Aggregation

In the TAP aggregation switch solution, a Cisco Nexus 9000 Series switch is connected to various points in the network at which packet monitoring is advantageous. From each network element, you can

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