

Monitoring the location of the aggregation switch



Article Overview

A monitoring aggregation switch is typically positioned at the aggregation layer of the network, connecting multiple access points or TAPs to monitoring tools for centralized traffic analysis.

Placement in Network Architecture

A monitoring aggregation switch is usually located between the access layer and the core layer of a network, serving as a central point to collect traffic from multiple access switches, TAPs, or SPAN ports . In data centers, this switch aggregates traffic from various network elements where packet monitoring is advantageous, such as servers, routers, or edge devices .

Connectivity and Function

- TAP or SPAN connections: Traffic from network devices is sent to the aggregation switch via optical TAPs or SPAN ports .
- Monitoring tools: The switch then forwards the aggregated traffic to monitoring systems, including packet sniffers, IPS devices, RMON probes, and application firewalls .
- Traffic filtering and redirection: The switch can be configured to filter specific traffic and redirect it to multiple monitoring tools using internal multicast groups or ACL-based policies

Article Content

Jan 05, 2026

Aggregation Router

An "Aggregation Router" is a device located in the services aggregation layer of a data center LAN that integrates important network

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What Is an Aggregation Switch and How to Choose?

Discover the role of aggregation switches. Explore differences between aggregation, access, and core switches, and

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Understanding Switch Aggregation: A Comprehensive Guide

A: An access switch is typically located at the edge of the network and connects end-user devices, while an

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Cisco Nexus 9000 Series NX-OS System Management Configuration

The TAP aggregation switch is directly connected to all of the analysis tools used to monitor the events in the network

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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

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Aggregation Switch

Aggregation switches are typically used to connect a number of ToR switches to a core switch/router. The core switch is at the top of

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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.

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Aggregation layer | FortiSwitch 7.6.0 | Fortinet Document Library

Multiple blocks of pairs of aggregation switches extend the design of this key layer if there are more than 24 floors or buildings in the

Oct 10, 2025

Top 8 Free Network Monitoring Software

Find out network monitoring benefits and the list of the top free and open-source automated monitoring solutions.

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Port Aggregation Configurations

Port Aggregation Port aggregation allows you to group multiple physical ports into one unit. Port aggregation is useful for

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What is an Aggregation Switch? | Features and Practical Benefits

By using link aggregation, bandwidth can be increased without buying new hardware. Asses switches are very

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Link_Aggregation_Config_Guide

1 Link Aggregation Configuration Guide This document describes the Link Aggregation feature supported in

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Everything You Need to Know About Aggregation Switch

LACP is a dynamic protocol that automatically discovering and configures aggregated links between switches. It

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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

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What is an Aggregation Switch?

The aggregation switch is located in the middle of the network architecture, which is

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Test Access Points Aggregation

The TAP aggregation switch is directly connected to all of the analysis tools used to monitor the events in the network fabric. These

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What are Link Aggregation Groups (LAGs) and how do they work with

What are Link Aggregation Groups (LAGs) and how do they work with my managed switch? Link aggregation lets a

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Understanding Switch Aggregation: A Comprehensive

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

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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

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Best Log Aggregation Tools

Log aggregation is essential in software systems. In a distributed software system, there are numerous components

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Switch Ports

Meraki's MS switches allow for the configuration of a single port to thousands of ports through our industry-first Virtual

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Link Aggregation: Static vs Dynamic, LACP, and MLAG

Understand how link aggregation (LACP, MLAG, static vs dynamic) improves bandwidth

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What is Switch Aggregation, Its Role and Selection Advice

What is switch aggregation? Switch aggregation refers to the concept of consolidating multiple access layer switches

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Port Aggregation FAQs

LACP (Link Aggregation Control Protocol): LACP is an industry-standard protocol (802.3ad) that dynamically manages link

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What Is an Aggregation Switch and How to Choose?

An aggregation switch is a network device that consolidates traffic from multiple access switches, wireless access

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Configuring Aggregation and Access Switches to Be Managed by the ...

On the core switch, configure a management subnet for aggregation/access switches, enable the DHCP server

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Aggregation Switch: Increasing the Priority of Special Traffic

Aggregation Switch: Increasing the Priority of Special Traffic Networking Requirements Core switches set up a CSS that functions as

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Link Aggregation and Load Balancing

This is often referred to as link aggregation, link bonding or EtherChannel. To configure two or more ports, up to eight,

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FS Community

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

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Data Center Design: Basic 3 Layers, Core, Aggregation, and Access

Data Center Basic Layered Design of Core, Aggregation, and Access The data center network design is based on a

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Aggregation Switch: Increasing the Priority of Special Traffic

Run the `display qos queue statistics` command to check queue-based traffic statistics on uplink interfaces (XGE 0/0/1 and XGE 1/0/1)

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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

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Cisco Data Center Infrastructure 2.5 Design Guide

By locating these service modules in a separate standalone switch connected using 802.1Q trunks, the aggregation

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Link Aggregation Control Protocol

The Link Aggregation Control Protocol (LACP) is an IEEE standard protocol that combines multiple physical Ethernet

Contact Us

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