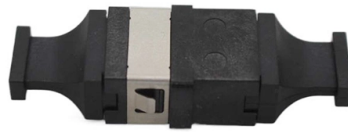


How to connect a monitoring system to an aggregation switch



AI Overview

Monitoring equipment connects to an aggregation switch via TAP or SPAN ports, with traffic redirected to tool ports using TAP aggregation or port mirroring configurations.

Overview

To connect monitoring equipment to an aggregation switch, you need to collect traffic from network points and forward it to your monitoring tools. This is typically done using Test Access Points (TAPs) or Switched Port Analyzer (SPAN) ports. The aggregation switch acts as a central hub, receiving traffic from multiple sources and distributing it to one or more monitoring devices such as packet sniffers, IPS systems, or RMON probes (Cisco documentation), .

Physical Connections

- **TAP Ports:** Connect the network links you want to monitor to the TAP ports on the aggregation switch. These ports receive a copy of the traffic without affecting the original flow.
- **Tool Ports:** Connect your monitoring equipment (e.g., analyzers, firewalls, or sniffers) to the tool ports on the aggregation switch. These ports transmit the copied traffic to the monitoring devices (Juniper documentation), .
- **Cabling:** Use appropriate Ethernet or optical cables depending on the switch and TAP type. Ensure the switch and monitoring devices support the link speeds of the monitored traffic....

Article Content

Jan 21, 2026

Configuring TAP Aggregation and MPLS Stripping

It works by designating a device to allow the aggregation of multiple test access points (TAPs) and to connect to multiple monitoring systems. TAP aggregation switches link all of the monitoring devices

Jun 15, 2026

What are Link Aggregation Groups (LAGs) and how do

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

Aug 03, 2025

Link Aggregation Configuration

Example for Configuring Link Aggregation in Manual Mode When Switches Are Directly Connected Overview Ethernet link aggregation increases link bandwidth by bundling multiple physical links to

Aug 15, 2025

Enhance Your Network with a Link Aggregation Switch: Benefits ...

Discover the benefits, configuration, and best practices of using a link aggregation switch to enhance your network. Combine multiple Ethernet links into a single logical link seamlessly.

Dec 20, 2025

Configuring TAP Aggregation and MPLS Stripping

TAP aggregation is an alternative solution to help with monitoring and troubleshooting tasks in the data center. It works by designating a device to allow the aggregation of multiple test access points

Feb 24, 2026

What is an Aggregate Switch?

What is the difference between an aggregate switch and a core switch? An aggregate switch consolidates traffic from access switches, while a core switch forms the backbone of the

Aug 12, 2025

What is Switch Aggregation, Its Role and Selection Advice

This article wraps up "what is switch aggregation" and suggestions for choosing an aggregation switch. By considering these factors, network administrators can make informed

May 12, 2026

What is an Aggregation Switch? | Features and Practical Benefits

Users can immediately connect to or access the network from the location of the access switch. The aggregation switch conducts uploading and distributing in addition to other tasks

May 25, 2026

Switch Engine v33.2.1 User Guide

Each aggregation switch is physically connected to all edge switches and participates in multiple EAPS domains. The aggregation switches can serve a different role within each EAPS domain, with one

Feb 12, 2026

Ethernet Tap | Network Tap | Aggregation Tap with Monitoring Software

The ST-1000 SecureTap can be installed between any two network endpoints, such as firewalls, routers, switches or servers to allow passive monitoring of all data traffic flow.

Jan 14, 2026

TAP Aggregation Switch: Key to Monitor Network Traffic

TAP aggregation switch works by designating a device to allow the aggregation of multiple TAPs and to connect to multiple monitoring systems. In this process, all the monitoring

Apr 02, 2026

Ethernet Tap | Network Tap | Aggregation Tap with Monitoring Software

Aggregation Tap is a network tap that can receive both sides of a full duplex data transmission, combine those two independent streams of data and send the "aggregated" copy of the entire transmission to

Dec 29, 2025

How To Set Up Switch Link Aggregation

In this article, I'm going to describe how to set up Link Aggregation between two managed switches to provide connectivity, redundancy, and expanded bandwidth. I'm going to set up Link Aggregation

Dec 01, 2025

Link_Aggregation_Config_Guide

The Link Aggregation feature when helps connecting two or more physical links between two network devices without forming loops. Link Aggregation can be used between switches, servers

Mar 02, 2026

Cisco Data Center Infrastructure 2.5 Design Guide

Figure 2-1 Data Center Multi-Tier Model Topology Data Center Core Layer The data center core layer provides a fabric for high-speed packet

Nov 08, 2025

Configure an Aggregate Interface Group

Before configuring an aggregate group, you must configure its interfaces. Among the interfaces assigned to any particular aggregate group, the hardware media can differ (for example, you can mix fiber

Apr 03, 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 as a single logical link. A fundamental for effective

Jan 12, 2026

Why You Need a Fiber Aggregation Switch and How it Can ...

Aggregation Switch: These switches reside between access layer switches (to which clients connect) and core layer ones (to which do routing). Their primary role is to combine many

Sep 11, 2025

TAP Aggregation for Network Monitoring

The running TAP aggregation configuration on the switch receives the network packets you want to test on the tap ports and sends the copied packets from the tool ports to off-switch monitoring tools and

Feb 13, 2026

Configuring Network Taps for Maximum Effectiveness

Available for both copper and fiber media, this device can be configured to internally aggregate or merge the Rx and Tx data stream copies. This allows devices with a single Capture

Dec 03, 2025

Aggregated Ethernet Interfaces Overview | Junos OS | Juniper Networks

You can configure LAGs to connect a QFX Series product or an EX4600 switch to other switches, like aggregation switches, servers, or routers. This example describes how to configure LAGs to connect

Oct 15, 2025

Medium Branch Switch Configuration | Validated Solution Guide

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

Aug 28, 2025

Configuring Devices to Be Managed by the Controller (in the Hybrid ...

When the switches running V600 function as aggregation or access switches, they can go online through PnP VLAN-based zero touch provisioning (ZTP) or be managed after manual configuration

Jul 01, 2026

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

May 02, 2026

Cisco Nexus 9000 Series NX-OS System Management Configuration

It works by designating a device to allow the aggregation of multiple test access points and to connect to multiple monitoring systems. TAP aggregation switches link all of the monitoring

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,
7441, South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

