

Monitoring Switch Aggregation Port

Article Overview

Monitoring switch aggregation ports can be achieved using TAP aggregation, SPAN/RSPAN, or traffic mirroring on link aggregation groups (LAGs) to capture and analyze traffic efficiently.

Understanding Port Aggregation

Port aggregation, also known as link aggregation or LAG, combines multiple physical ports into a single logical interface to increase bandwidth and provide redundancy. Aggregated ports can operate in static mode (ON) or dynamic mode using LACP (Link Aggregation Control Protocol) in active or passive configurations. Dynamic LAGs negotiate with the remote device to form a logical link, while static LAGs do not require negotiation. Consistency across aggregated ports is critical, including STP settings, VLAN membership, port speed, duplex mode, and link type (trunk, hybrid, or access) to ensure proper operation and monitoring compatibility .

Monitoring Methods

1. TAP Aggregation

TAP (Test Access Point) aggregation allows multiple network points to be monitored simultaneously. A dedicated switch can be configured with tap ports (receiving traffic) and tool ports (sending traffic to monitoring devices). TAP aggregation supports N:M packet replication, enabling real-time capture of different traffic types for analysis by tools such as packet sniffers, IPS devices, or RMON probes. This method increases visibility and can simplify network monitoring without requiring d...

Article Content

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Cisco Nexus 9000 Series NX-OS System Management Configuration

TAP aggregation switches link all of the monitoring devices to specific points in the network fabric that handle the

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Choose a traffic mirroring methods

For example: Some TAPs aggregate both Receive and Transmit, depending on the switch configuration. If your switch

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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

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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

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Link aggregation

Link aggregation increases total bandwidth beyond what a single connection could sustain, and provides redundancy where all but

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TAP Aggregation for Network Observability

In Juniper's data center switching portfolio, TAP Aggregation is supported on both Trident

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Port Aggregation FAQs

Port Aggregation FAQs What is the benefit of aggregating ports? Port aggregation can increase maximum throughput, and allow for

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Port Aggregation: Boosting Throughput and Redundancy in Enterprise ...

Final Thoughts: Is Port Aggregation Right for You? Port aggregation offers significant benefits for enterprise networks,

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Link_Aggregation_Config_Guide

Figure LA-2: Dynamic Link Aggregation shows an example of a port channel configuration with port status and

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Link Aggregation: Static vs Dynamic, LACP, and MLAG

This article provides a comprehensive explanation of link aggregation — covering LACP,

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Port Aggregation Configurations

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

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Traffic Aggregators | TAP Aggregators | Visibility Nodes

Traffic aggregators bring together traffic from taps (test access points) and SPANs ports (switched port analyzers) across the

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What is “link aggregation” and how does it benefit your

It is part of their “Web Smart” series that makes setting up link aggregation a snap as each of

Jun 26, 2026

Data monitoring switch

Data monitoring switches support either or both of the following internal management interfaces: A text-based command-line

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Chapter18:Link Aggregation Configuration

Chapter 1 Configuring Port Aggregation This chapter describes how to set the port aggregation of the switch.

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Monitoring Links in Link aggregation

I have a link aggregation configured between server to switch and switch to switch. It has 4 ports and hence 4

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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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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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Switch Port Monitoring Guide

Switch port monitoring is essential for maintaining reliable, efficient, and secure networks. Whether managing a small

Feb 02, 2026

Switch Port Configuration and Troubleshooting

Link aggregation can also be used in an uplink between two switches or between a switch and a router or between two

Dec 17, 2025

Link Aggregation, Port Mirroring/Monitoring | Alcatel-Lucent 6800

Download user manual for Alcatel-Lucent 6800, 9000, 6850. Learn more about Link Aggregation, Port Mirroring/Monitoring.

Nov 20, 2025

How to Enhance SPAN | TAP vs SPAN

As you may have realized, there are two options for network packet access to your monitoring and security tools -- Network TAPs

Oct 09, 2025

Switch Port Monitoring Guide

Learn how switch port monitoring enhances network performance, security, and troubleshooting. Explore top tools for

May 19, 2026

Link Aggregation: Static vs Dynamic, LACP, and MLAG

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

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Understanding Switch Aggregation: A Comprehensive

Port Density: The number of physical ports on a switch, known as port density, affects the

Dec 25, 2025

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

Link aggregation lets a switch treat multiple physical links between two endpoints as a single logical link. All the

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What is an Aggregation Switch? | Features and Practical Benefits

High bandwidth aggregation ports are switched or routed to uplink ports with even greater capacity. The uplink

Contact Us

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

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

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