

How to configure a monitoring aggregation switch solution



Summary of Content

To configure an aggregation switch for monitoring, set up TAP or SPAN ports to collect traffic, map them to monitoring tool ports, and optionally use link aggregation for bandwidth and redundancy.

TAP Aggregation Setup

- Designate the Aggregation Switch: Choose a switch to act as the TAP aggregation point, connecting it to multiple monitoring tools such as packet sniffers, RMON probes, or IPS devices .
- Configure Tap Ports: Assign interfaces on the switch as tap ports to receive traffic from SPAN sessions or physical TAPs in the network .
- Configure Tool Ports: Assign interfaces as tool ports to transmit replicated traffic to monitoring devices .
- Map Tap Groups to Tool Groups: Group tap ports and tool ports, then map them so that traffic from tap ports is replicated to the corresponding tool ports .
- Apply Filtering (Optional): Use ACLs to filter specific traffic and redirect it to an internal multicast group, which then forwards the traffic to multiple monitoring tools .

Link Aggregation (LAG) for Monitoring

- Enable LACP: Configure Link Aggregation Control Protocol (LACP) in active or passive mode to combine multiple physical ports into a single logical link for higher bandwidth and redundancy .

Article Content

TAP Aggregation

The Solution Arista Networks ® offers a new approach to TAP aggregation that delivers high density, non-blocking

Network Switch Management & Monitoring

Boost your network performance and availability with automated switch management and monitoring. Use

Basic Arista Tap Aggregation Configuration

Arista's Tap Aggregation feature turns switch (es) into packet capture, aggregation, and distribution points. This setup

The Ultimate Guide to Installing and Configuring the Ubiquiti UniFi ...

The Ubiquiti UniFi Switch Aggregation (USW-Aggregation) is a powerful, high-capacity switch, perfect for streamlining

Dynamic vs Static Link Aggregation: Differences & Use Cases

Learn the key differences between static and dynamic link aggregation (LACP). Compare Cisco EtherChannel and

How to set up switch Link Aggregation (LAG) - HeelpBook

LAG example We're going to set up Link Aggregation between two gigabit switches: an 8 port Linksys SRW2008; and

TAP Aggregation Switch: Key to Monitor Network Traffic

TAP aggregation switches or network TAPs can be extremely useful in monitoring traffic because they provide direct

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

Everything You Need to Know About Aggregation Switch

Ubiquiti's Unifi aggregation switch solutions are designed to provide centralized

Aggregation Switch: Increasing the Priority of Special Traffic

Deployment Procedure Configure devices at core, aggregation, and access layers to ensure connectivity of the basic network. For

Medium Branch Switch Configuration | Validated Solution Guide

Medium Branch Switch Configuration The In this deployment the Aggregation switch will have dual purposes,

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,

Cisco Nexus 3000 Series NX-OS System Management Configuration

Tap Aggregation Switch Solution In the tap aggregation switch solution, the Cisco Nexus 3000 or Cisco Nexus 3100

Cisco Nexus 9000 Series NX-OS System Management Configuration

Use this task to configure TAP aggregation policies on IPv4 and MAC ACLs, and to apply or attach these policies to

How to configure LACP on our Smart/ Managed Switch

We strongly recommend you should firstly configure LAG feature on switch before other functions like VLAN, STP,

Link Aggregation Configuration

Ethernet link aggregation increases link bandwidth by bundling multiple physical links to form a logical link. Link aggregation can

What is an Aggregation Switch? | Features and Practical Benefits

This article focuses on the question of what is an aggregation switch and how it works its uses and its

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

UniFi Port Switch Aggregation: What Is Switch

An aggregation switch is a network switch that sits between the access layer (edge

Test Access Points Aggregation

Use this task to configure TAP aggregation policies on IPv4 and MAC ACLs, and to apply or attach these policies to interfaces as

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

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.

Configuring Aggregation/Access Switches to Be Managed by the

If IP obtaining mode is set to Auto, you can click in the Operation column of the subnet list to modify a created subnet and configure

Link aggregation groups | FortiSwitch 7.6.4 | Fortinet Document Library

This section provides information on how to configure a link aggregation group (LAG). For LAG control, the FortiSwitch unit supports

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

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

Optimizing Your Network: A Comprehensive Guide to Link Aggregation

Explore how Link Aggregation and LACP (Link Aggregation Control Protocol) can boost your network's performance,

Switch Engine v33.2.1 User Guide

Designing and Configuring the Aggregation Layer The network switches in the aggregation layer provide additional resiliency

Link_Aggregation_Config_Guide

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

How To Configure A Managed Network Switch

Learn how to configure a managed network switch with ease. Our comprehensive guide

Link Aggregation Configuration

S300, S500, S2700, S3700, S5700, S6700, S7700, and S9700 Series Switches Typical Configuration Examples (V200) This

Tutorial

Learn how to configure a Cisco Switch Link Aggregation using the command-line, by following this simple step-by-step

How To Set Up Switch Link Aggregation

Managed switches provide many advantages for a growing network, including support for VLANs, QoS, and Trunking. I touched on

Link Aggregation: Static vs Dynamic, LACP, and MLAG

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

Aggregation Switch Reference Configuration | Validated Solution Guide

The Aggregation Switch Reference Configuration section provides a reference CLI configuration of the aggregation

TAP Aggregation for Network Monitoring

Packets are sent from the tool ports to the monitoring tools and analyzers you have running in an off-switch location in your network.

Configuring Link Aggregation Control Protocol (LACP)

Link Aggregation Control Protocol (LACP) is a standards-based method to control the bundling of several physical network links

Contact Us

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