

How to debug IP on an aggregation switch



AI Overview

To debug IP issues on an aggregation switch, verify LACP status, check aggregated interface configuration, and monitor traffic using diagnostic commands.

Step 1: Verify LACP Status Check the status of the link aggregation to ensure that all member ports are correctly aggregated. Use commands such as:

- FS Switches: `debug lacp state`, `debug lacp errors`, `debug lacp packet` to view LACP negotiation, errors, and packet information.
- IBM AIX / IEEE 802.3ad: `entstat` shows LACP status values like Inactive, Negotiating, Aggregated, or Failed, helping identify misconfigured ports or mismatched speeds/duplex.
- Aruba APs: `show ap debug lacp` displays LACP activity and packet counts for aggregated ports.

Ensure all ports in the aggregation are full-duplex, same speed, and connected peer-to-peer. Mismatched configurations can prevent proper aggregation.

Step 2: Check IP Configuration Once LACP is verified, confirm that the aggregated interface has the correct IP address and subnet mask:

- Use `show running-config` or `show interface` to verify IP assignment.
- Ping the gateway or other devices on the same subnet to test connectivity.
- If using VLANs, ensure the aggregated interface is assigned to the correct VLAN and that the VLAN is active.

Step 3: Monitor Traffic and Packets Use monitoring tools to ensure traffic flows correctly through the aggregated interface:

- Cisco Nexus TAP aggregation: Configure a TAP aggregation policy on an IP ACL or MAC ACL to redirect and monitor traffic for troubleshooting.
- Check for dropped packets or errors on member ports using `show interface counters` or equivalent commands.
- For GRE tunnels or encapsulated traffic, verify tunnel IDs and IP encapsulation using `show datapath tunnel` or `show datapath station` on Aruba devices.

Step 4: Additional Troubleshooting Ensure LACP mode is consistent across switches (Active/Passive). For FortiSwitch, verify LACP fallback mo...

Article Content

Debugging IP Packets on Cisco 9200 Switch

debug ip packet detail << - this command is very dangerous in production environment, you may lock your self due to debug - for testing ok

Debug IP Packet Command on CISCO Router/Switch

R2#debug ip packet IP packet debugging is on R2# *Mar 1 01:06:02.083: IP: s=10.1.1.2 (local), d=224.0.0.10 (FastEthernet0/0), len 60,

Crackhead/pass.txt at master · moimikey/Crackhead ·

How to create a web form cracker in under 15 minutes. - moimikey/Crackhead

S5900-24S4T2Q Link Aggregation Configuration Commands | FS

Passive—Places a port into a passive negotiating state, in which the port responds to LACP packets it receives but does not initiate LACP negotiation. Switches of partial models doesn't support dynamic

Link aggregation groups | FortiSwitch 7.2.10 | Fortinet Document Library

For LAG control, the FortiSwitch unit supports the industry-standard Link Aggregation Control Protocol (LACP). The FortiSwitch unit supports LACP in active and passive modes. In active

Switch Port Configuration and Troubleshooting

Link aggregation means combining two or more separate cabled links into a single logical channel. For example, a single network adapter and cable

zxcvbn-rs/src/frequency_lists.rs at master

Port of Dropbox's zxcvbn password strength library for Rust - shssoichiro/zxcvbn-rs

Create and configure a virtual switch with Hyper-V

Learn how to create and configure a virtual switch for use by the Hyper-V host and guest virtual machines.

Catalyst 2960 and 2960-S Switch Debug Commands

Catalyst 2960 and 2960-S Switch Debug Commands This appendix describes the debug privileged EXEC commands that have been created or changed for use with the Catalyst 2960 and 2960-S

Debug Command on CISCO Router/Switch

Debug Command Debug Use This is a very useful but sometimes dangerous command. It allows you to see how the router or switch processes many different protocols. If your not careful

Debug ip packet on Catalyst switch

I am using a cat 3550 or a 3750 and remove the fast switching on the vlan interface and when issuing the debug ip packet nothing is display. Then I did configure a port as a routing port

Chapter 1 Port Aggregation Commands

When configuring port aggregation, you can select the LACP negotiation mode. In Active mode, the port will transmit the LACP packet actively for LACP negotiation; In passive mode, the port responds to

Catalyst 2960 and 2960-S Switch Command Reference, 12.2 (53)SE1

Use the debug platform ip igmp snooping privileged EXEC command to enable debugging of platform-dependent Internet Group Management Protocol (IGMP) snooping. Use the no form of this command

Troubleshoot Link Aggregation Control Protocol (LACP) on Nexus

This document describes how to troubleshoot Link Aggregation Control Protocol (LACP) on Nexus 9000 cloudscale family.

Debugging IP traffic through a router switch module

Hi there, I have a remote Cisco 2811 router running IOS 12.3 (8r)T7 with an HWIC-D-9ESW Fast Ethernet switch module in slot 3. All ports are configured as switchport access VLANs. I

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

Catalyst 2960 Switch Debug Commands

This appendix describes the debug privileged EXEC commands that have been created or changed for use with the Catalyst 2960 switch. These commands are helpful in diagnosing and resolving

11-Link Aggregation Configuration Commands

The command prompt only shows the sharing policy that the switch supports. If the switch doesn't support any sharing polich or just supports one of them, the relevant subcommands will not be

From Pipelines to Agents: Self-Healing CI/CD Workflow

It's saved us days of "trial and error" debugging. Final Thoughts: Stability on Autopilot We've spent years trying to build the "perfect" pipeline, but the reality is that infrastructure is messy

Link Aggregation Configuration Commands

Passive—Places a port into a passive negotiating state, in which the port responds to LACP packets it receives but does not initiate LACP negotiation. Switches of partial models doesn't support dynamic

2.5. Link Aggregation and High Availability with Bonding

2.5.1. Link Aggregation Bonding for link aggregation must be supported by both endpoints. Two linux machines connected via crossover cables can take advantage of link aggregation. A single machine

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