

How to debug the external network of the core switch



Overview

Move the cable to a known good port to troubleshoot a suspect port or module. Use the show interface command for Cisco IOS to look for errdisable, disable or shutdown status. The show module command can indicate faulty, which can indicate a hardware problem. This document applies to Catalyst switches that run on Cisco IOS® System Software. You can. The intent of this guide is to assist you in identifying and resolving frequently encountered issues while running ethernet applications on the AM26x devices. Before jumping into the debugging guide below, it is recommended you have look at the following: The AM26x devices achieve its networking. The switch provides a facility for running normal or extended diagnostics. By running and viewing the results from. This appendix describes the debug privileged EXEC commands that have been created or changed for use with the Catalyst switch. Because. According to your configuration, the WAN interface is GigabitEthernet0/0/0.



Article Content

Jan 18, 2026

Understanding the Core Switch: Key Differences and Uses

Explore the core switch's role as the backbone of your network. Discover key differences, uses, and insights into layer 3 core switch technology.

Jun 12, 2026

identify core switch on my network

First post go easy i searched the foruum and drew a blank if anyone could point me the right direction i would be grateful: I'm trying to get my head around the concept of the core switch and

Oct 22, 2025

General Ethernet debug guide — AM26x Academy

The intent of this guide is to assist you in identifying and resolving frequently encountered issues while running ethernet applications on the AM26x devices. Before jumping into the debugging guide below,

Aug 05, 2025

General Ethernet debug guide — AM26x Academy

Let's divide the guide into Hardware and Software, which helps in isolating your issues and debugging easily. The hardware aspects such as schematics review are often overlooked. Make sure the below

Feb 17, 2026

Debugging Node.js | Node.js Learn

When started with the --debug or --debug-brk switches in version 7 and earlier, Node.js listens for debugging commands defined by the discontinued V8 Debugging Protocol on a TCP port, by default

Aug 08, 2025

Configuring 802.1x and Troubleshooting Commands

- radius-server deadtime 1
- radius-server dead-criteria time 10 tries 2

Conclusion
Configuring and troubleshooting the 802.1x is an essential skill for any

Apr 15, 2026

Catalyst 2960-S and 2960-C Switches Debug Commands

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

Jun 09, 2026

Internet not reaching Core/Access Switch

Router has internet but Core Switch not picking, what i'm i missing? Router and Switch can ping each other Router Configs Router#sh run Building configuration... Current configuration :

Aug 25, 2025

networking

By asking this question, my intention is to start a community wiki page which allows generalizing our network troubleshooting and debugging experience. I hope the Linux and Unix users will be able to

Jul 22, 2025

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

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

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5 techniques to debug network issues in Linux and

It's important for network administrators to understand how to troubleshoot problems. Find out five ways to debug network issues in Linux and

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Debug Command on CISCO Router/Switch

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 you can

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Demo Kit

Explore SAPUI5 SDK Demo Kit for comprehensive tools, documentation, and interactive demos to develop responsive web applications with SAP's UI framework.

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Internet not reaching Core/Access Switch

when you ping 8.8.8.8 from 172.30.235.2 (the switch) and then issue the command "show ip nat translation *" on the router, do you actually see an entry for 172.30.235.2 ?

Jan 14, 2026

Network Switch troubleshooting: Master these 16 display commands

Today we will talk about a series of commonly used display commands to help you quickly locate the problem when facing a switch failure and take appropriate measures to solve the problem.

Apr 07, 2026

Aruba and HP switches debug and diagnostics commands cheat sheet

Yuri Slobodyanyuk's blog on Networks & Security – Aruba and HP switches debug and diagnostics commands cheat sheet

Nov 03, 2025

how to test a new switch without adverse affect

At the very least, configure both ends on a VLAN that goes nowhere, like a VLAN that does not even exist in the VLAN database of the active unit.

Sep 22, 2025

Catalyst 2960 Switch Debug Commands

Because debugging output is assigned high priority in the CPU process, it can render the system unusable. For this reason, use the debug commands only to troubleshoot specific problems or during

Sep 28, 2025

What are common network debugging techniques?

My background is in Software Engineering, so I'm familiar with debugging techniques used there, you have simple console print statements, a live debugger to inspect variables in a

Oct 28, 2025

TechTarget

TechTarget provides purchase intent insight-powered solutions to identify, influence, and engage active buyers in the tech market.

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Cisco Debug Command * | How to Use Cisco Debug

Here, we have learned how to use Cisco Debug Command on Cisco routers and switches. Debugging is very important for network troubleshooting but you

Apr 16, 2026

14-Debugging and Diagnosis

Chapter 1 Monitor and Debug When the users configures the switch, they will need to verify whether the configurations are correct and the switch is operating as expected, and in network failure, the users

Oct 03, 2025

How to enable ICMP debug on Layer3 switch

There are a couple of things that come to mind that may help you in your troubleshooting. First of all, you can check problems involved with routing (i.e. Layer 3). Remember that if routing is

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Debug Command on CISCO Router/Switch

Since there are many different debugging options, we have added a debugging section with some of the more useful debugs for a CCNA candidate. You can filter debugs using access-lists

Mar 23, 2026

RAM and in-built storage (Internal HDD, CF etc) and external CF?

I need commands to check the internal storage (hard disk, internal compact flash etc) and external compact flash for all platform running EXOS in order to find out the total size, in-use and

Oct 18, 2025

Understand Important Information on Debug Commands

Refer to the appropriate Cisco Debug Command Reference documentation for information on specific debug commands. The output from debug privileged EXEC commands

Aug 29, 2025

ExtremeXOS® User Guide

By running and viewing the results from diagnostic tests, you can detect and troubleshoot any hardware issues. On ExtremeSwitching series switches, you run the diagnostic routine on the switch or on the

Contact Us

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

Website: <https://elagage-lorrain.fr>

Email: sales@elagage-lorrain.fr

Phone: +33 6 47 82 19 35

Address: 15 Rue de la République, 69002 Lyon, France

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