

The switch cannot connect to the core network



Overview

Troubleshoot the connectivity issues of a switch by diagnosing the wired network. Check latency with ping test or track packets with traceroute test. Make sure that is reflected in your config: 11-26-2021 12:14 AM - last edited on 11-27-2021 11:50 PM by Translator Hello, not sure if this is a typo ?

According to your configuration, the WAN. The Router is set to use the wrong interface for the NAT overload. It is. Enterprise Networking -- Routers, switches, wireless, and firewalls. I'm just an apprentice and I don't know what I've done wrong! We have a pair of Dell N3224P-ON switches and today's morning my colleague gave me a task and instructions to. A device can be pinged from core switch (router) but not the switch it's plugged into. Why?

Our school district has A/V devices in every classroom. I sometimes get a report that a device can not. We will be basically going through a systematic procedure that will help us to develop a means of troubleshooting the switch networks, helping us to identify possible port connectivity problems to helping identify VLAN and trunking problems or even to help spotting VTP or spanning tree issues. The following tests are available to diagnose issues related to wired network connections: © Copyright 2026 Hewlett Packard Enterprise Development.

Article Content

Nov 07, 2025

SSH Woes: Can't Access Your Cisco Switch? What's Blocking Your Network ...

Keep this checklist handy; it's the difference between hours lost wondering and minutes spent restoring your vital connection to the Cisco switches commanding your network's core pulse.

Mar 17, 2026

I totally fucked up our network core switch and everything is down ...

We have a pair of Dell N3224P-ON switches and today's morning my colleague gave me a task and instructions to remove some unused VLANs. I'm sure I removed the correct VLANs. When I saved ...

Apr 05, 2026

What Is a Core Switch? Network Backbone Architecture Guide

This guide breaks down exactly what a core switch does, how it fits into the three-tier network model, and the exact device-count thresholds that dictate when your business actually ...

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A comprehensive switch troubleshooting from the physical layer to the data link layer to the network layer to find out why your network switch is not working.

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Troubleshooting Switched Network

To stop the bridging loop quickly, one thing we can do is shut down all the ports on the core switching network, and then bring them up one by one to see if those link are the links that caused the bridging ...

Feb 21, 2026

Troubleshooting Switch Connectivity Issues

Troubleshoot the connectivity issues of a switch by diagnosing the wired network. Check latency with ping test or track packets with traceroute test.

Oct 01, 2025

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 ?

Feb 08, 2026

Internet not reaching Core/Access Switch

Corrected but still no internet access on Core Switch. Have you looked at the vlan database and verified that the core switches had the vlans created ? It seems to me you are routing ...

Apr 21, 2026

A device can be pinged from core switch (router) but not the switch it ...

This is likely related to how the vlans are setup with the gateways on the core switch, and the vlan where the mgmt interface is on the edge switch where the device is connected.

Jul 10, 2026

Troubleshooting VLAN and Switch Problems

In this post, we'll discuss common general switch issues, VLAN related issues, and spanning-tree issues. We'll also cover VLAN/switch troubleshooting techniques.

Contact Us

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