

Core switch and router are not communicating



Overview

If devices are connected but not communicating, check network connectivity. `ping` Ping the router/switch from a computer: `nginx CopyEdit ping 192. 1 Reply received → Device is reachable. Request timed out → Possible hardware or configuration issue. 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. Abstract: Learn how to troubleshoot and resolve common issues with connecting a network switch to a router. In this article, we will discuss the steps to troubleshoot a network switch router connection issue. 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. What Causes. 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. We already rebooted both. Corrected but still no internet access on Core Switch You can use the “show ip nat” commands on the router to find out what is and is not working.



Article Content

Oct 15, 2025

Troubleshoot LAN Switching Environments

A good general rule of thumb is that when you cross an OSI layer, as between a switch and a router, use a straight-through cable; when you connect two devices in the same OSI layer, as between two

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What is a Core Switch | Functions and Difference over Normal Switch

This is done via a high-speed communication forwarding route and as a result, the core layer switch application has improved in terms of reliability, performance, and throughput. The major

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SFP not communicating

Hi all, Greetings!! Am working in a firm that have more than 10 Cisco switches connected to one core master switch via SFP . But one of the Switch not communicate after few hours of

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Layer 3 Switch cant communicate with Router (PT LAB)

On my lab when using only SVIs on the AZ site, VLANS can communicate with each other but they don't get passed the default gateway i set for them on the L3 switch SVI and OSPF adjacencies are

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Troubleshooting VLAN and Switch Problems

Learn how to troubleshoot VLAN and switch problems in the first of this two-part series by Joe Rinehart. Video Tutorial.

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Core to access switch ping working and access to core is not pinging

you are not able to ping CORE to Access switch - may be using default ip to ping try using source vlan 103 ? how is your routing configured on Core and Access switch ? Look for me

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

In a nut shell, why can I ping a device at a school on the core switch but not on the switch the device is plugged into or anywhere else in our school district?

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Network Switch Troubleshooting Guide: Common Problems and

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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connecting core switch to the internet

- Buy a set of switches to facilitate the layer-2 connection between the routers and to connect the outside of the ASA's. - Instead of buying 2 new

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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.

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Inter VLAN Routing by Layer 3 Switch

Disadvantages: Complexity: Inter-VLAN routing by Layer 3 switch can be complex to configure and manage, particularly in large networks with many VLANs. Limited functionality: Layer 3

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Solved: One VLAN won't communicate between switches even though

So I have 2 networks that are connected via L2 Switches. Each network has their own router. From top down it goes Router>L2 Switch> Hosts. The configuration is the same for each

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

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

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Understanding the Core Switch: Key Differences and Uses

The significance of the core switch in building and sustaining a resilient network infrastructure is paramount. As the central data traffic hub core

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Network Devices

Network Devices are the physical appliances required for communication and interaction between computers on a computer network.

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Troubleshooting Switches

Troubleshooting Switches You can troubleshoot a switch using the Aruba Central UI. To troubleshoot a switch, complete the following steps: 1. In the Network Operations app, set the filter to one of the

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Fix Network Hardware Failure: Step-by-Step Guide

Faulty routers, switches, cables, or network interface cards (NICs) can disrupt communication, suitable to business interruptions and reduced productivity. This

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Network Switch and Router Connection Not Working: A ...

Learn how to troubleshoot and resolve common issues with connecting a network switch to a router. Follow our step-by-step guide to get your Wi-Fi and wired connections up and running.

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Internet not reaching Core/Access Switch

If yes then can you show us a sho ip route from both the switch and the router. Try the ping and add the switch SVI as the source rather than just a straight ping 8.8.8.8. without the source

Aug 24, 2025

Troubleshoot Switch Port and Interface Problems

If the end device is on a different VLAN from where you try to ping, a L3 switch or router must be configured to allow the devices to communicate. Make sure your L3 addressing on the end

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Router Ethernet Not Working? Here's How To Fix It

How to Fix Router Ethernet Not Working? Here is the step-by-step guide on how you can fix a dysfunctional Router Ethernet. Narrow Down the

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Difference between a Core Switch and Router

A core switch will many times do many of the same things a router will but the technologies they use are more oriented towards routing between edge and distribution switches inside the LAN

Contact Us

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