

The aggregation switch cannot ping the server



AI Overview

The inability of an aggregation switch to ping a server is often caused by misconfigured link aggregation, VLAN mismatches, missing default gateways, or LACP negotiation issues.

Check Physical and Link Aggregation Status

Ensure that all member ports of the aggregation (EtherChannel or Eth-Trunk) are physically connected and operational. Use commands like `display link-aggregation verbose` (H3C) or `show etherchannel summary` (Cisco) to verify that all ports are in the selected/active state and that LACP packets are being exchanged correctly. If any port is down or unselected, check for physical faults or cable issues.

Verify VLAN and Trunk Configuration

- Confirm that the VLANs assigned to the server interface match the VLANs allowed on the trunk or aggregated interface.
- Ensure the native VLAN is consistent on both the switch and server side. Mismatched native VLANs can prevent ICMP packets from being properly forwarded.
- If using a Linux bond on the server, verify that the bonding mode (e.g., LACP) and hash policy are compatible with the switch configuration.

Check IP Addressing and Default Gateway

- The aggregation switch must have a default gateway configured to reach devices outside its local subnet. Without it, ICMP replies cannot return to the source.

Article Content

A Switch Cannot Be Pinged by a Directly Connected Device

If the remote end can successfully ping the switch but the switch cannot ping the remote end, check whether the ping function is

Troubleshooting Cases for Ping Failures

Case Study: An Access Switch Cannot Ping the Gateway When the Uplink and Downlink Interfaces of the Aggregation Switch Are

I Cannot Ping Switch to Device, but can ping Device to Device

Switching happens at layer-2, and unmanaged switches cannot ping or be pinged. A managed switch with a

Cannot ping server from local switch but servers can ping it ...

Really strange issue we have, running scom for server management we found that we have heartbeat failures to our

Home Lab: Hosts on same switch cannot ping each other

The same is valid for the switch MAC table. The two PC's can correctly ping each other when connected to a simple

Unable to ping switch : r/Cisco

Is there something I'm missing? Port 27 goes to the main comms room where the server is that I'm trying to ping from and I can ping

Etherchannel is operational but cannot ping the server

The server has two network ports, so it seemed a good idea to aggregate the two network ports into an aggregated

Solved: LIVEcommunity

That honestly sounds like you either don't have ping enabled on the interface-management-profile or you have

VLAN q: can ping switches, but not attached devices on new VLAN

Both ParkingLot and ServerSwitches have certain ports untagged on VLAN 20 for the devices and server that are

Cannot ping over LAN until a ping is received

Scenario is very similar to below forum link. networking - Cannot ping over LAN until a ping is received - Server Fault Temporary fix If

Devices connected to switch cannot ping the internet, but the ...

I just can't see what I need to do to get a host connected to the switch to talk to the internet. The switch itself can, but a device

Cannot ping over LAN until a ping is received

There seem to be a problem with this stage - the server doesn't get this request so probably some of the switches along the way

Technical Tip: How to configure the FortiLink interface on the ...

To work correctly, it is necessary to check three configurations on the interface level:
Configure the IP/Network Mask

can't ping server from the switch is is connected to

Hi, I've a server sonnected as follow: sw (fa0/1)<-->server1 vlan 1 -
192.168.2.251/24 <---on switch server: 192.168.2.6,

Can ping device from switch but cannot ping from switch to device?

I am able to ping from the attached device (MacBook via ethernet adaptor) to the switch without issue however when I

Can't ping device on another subnet but can ping SVI's both ways

I have a frustrating issue where I cannot ping a device located in another subnet (vlan82) from my source subnet

Can ping one switch but not another one same subnet

I have two HP Switches on the same subnet 192.168.20.x/24. When connected via VPN I am able to ping and log in to

Hyper-v VM cannot ping host machine : r/homelab

Then I created a Windows Server 2016 standard virtual machine (vm-01:192.168.1.100) and configured it with aforementioned virtual

Re: Etherchannel is operational but cannot ping the server

I tried to ping the server from different clients and they all fail. If I ping the server from the switch, then the ping succeeds. This is the

Noob question: I setup port aggregation and it says LACP ...

The aggregate isn't working - lacp is blocking because the other side of the link isn't communicating correctly. Try deleting the

Aggregation of Ports doesn't work AND breaks the controller UI?

Have been having trouble getting aggregation of ports to work at all on my USW-Aggregation switch and results in some very odd

Troubleshooting Link Aggregation LAG/LACP Not Working

Troubleshooting: When LACP (Link Aggregation Control Protocol) or static LAG (Link Aggregation Group) is not

Case Study: An Access Switch Cannot Ping the Gateway When the

Figure 15-11 Networking diagram for the failure of an access switch to ping the gateway when the uplink and downlink interfaces of

I cannot get my Mikrotik switches to ping the router or connect to ...

The clients seem to work and can get to other systems both in my network and on the internet without a problem, but

Contact Us

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