Enable ping on the core switch

Article Overview

To enable ping on a core switch, ensure ICMP is allowed, the management VLAN is configured correctly, and routing between VLANs is properly set up.

Steps to Enable Ping

1. Verify Management VLAN and SVI Configuration Ensure the core switch has a Switched Virtual Interface (SVI) configured for the management VLAN with a valid IP address and subnet mask. For example:

interface vlan 98 ip address 192.168.98.1 255.255.255.0 no shutdown
Check that the VLAN is active and associated with the correct ports . 2. Check Default Gateway and Routing If the core switch needs to respond to pings from other VLANs or subnets, ensure that:

o The default gateway is set if required (ip default-gateway x.x.x.x)
o Inter-VLAN routing is enabled and routes exist for the source VLANs . 3. Verify ACLs and Firewall Rules Make sure no Access Control Lists (ACLs) or firewall rules block ICMP traffic. ACLs should permit ICMP inbound to the SVI or management interface . 4. Test Connectivity Use the ping command from the core switch CLI to test connectivity to other devices:

ping 192.168.103.137 source vlan 98
Specifying the source VLAN ensures the ping uses the correct SVI . 5. Enable ICMP Debug (Optional for Troubleshooting) On Cisco Layer 3 switches, you can enable ICMP debugging to monitor ping requests and responses:

debug ip icmp
This helps identify if pings are reaching the interface and whether replies are sent back . 6. Verify Layer 2 Connectivity Ensure that the access ports on the core switch and connected access switches are in the correct VLAN and that trunk ports allow the necessary VLANs .

Summary

To enable ping on a core switch:

o Configure the management VLAN and SVI correctly
o Ensure proper routing and default gateway settings
o Allow ICMP through ACLs or firewalls
o Test using the ping command with the correct source interface
o Optionally, use ICMP debug for troubleshooting Following these steps ensures the core switch can respond

to ping requests from access switches and other network devices.

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

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So your pings from the switch should go into the firewall. I would expect the firewall has a 10.1.2.1 interface for the

I have my PC connected to the core switch and i can ping the destination. But, i cannot do it from the core.

172.16.32.1 is the gateway for your subnet but probably isn"t the ip address your core is attempting to ping from. I"m guessing your

If you are unable to ping a switch from a remote host and you have made sure that your routers have routes to the different subnets

Router has internet but Core Switch not picking, what i"m i missing? Router and Switch can ping each other Router

(Using HP and aruba switches) I am struggling with a vlan on our network. This is vlan 35. I cant ping the vlan 35

3. However, when I test from a laptop connected to an access switch (set to access mode for VLAN 10), the laptop can

Once all the changes had been saved, the switch & pc ip addresses were now able to be pinged. However, back in

Description Pings the specified IPv4 address or hostname with or without optional parameters.

I have set up a core stack of 3750 switches (3750e, 3750g, and 3750v1 w/PoE) that seems to be running solid. I

This test can be done either on the switch itself or by the hosts which are connected to their respective VLANs. Use a

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Hey, We just installed some new switches at a remote site. A 3750X as the core switch and around 12 access layer

Has anyone seen a scenario where and edge switch can reach its core (default gateway) but cannot ping the PC

Here"s the Cisco CLI Switch Command cheat sheet you need for configuring and managing Cisco switches The Cisco

Web: https://bssoda.pl