Which port to check via MAC address on the access switch



Overview

Log into the access layer switch, and use the show mac-address address and copy and paste in the mac address. This will show you the port the device is connected to.

Key Takeaways

You can view all MAC addresses associated with a particular port using vendor-specific commands like show mac address-table interface on Cisco or show ethernet-switching table interface on Juniper switches.

Cisco Switches

To check MAC addresses on a specific port: Show all MAC addresses: CodeCopyshow mac address-table This displays all learned MAC addresses with their VLAN and port information. Check a specific MAC address: CodeCopyshow mac address-table address This shows the port where a particular device is connected. Check all MACs on a specific interface: CodeCopyshow mac address-table interface Example: CodeCopyshow mac address-table interface Gi0/1 This lists all MAC addresses currently learned on that port.

Optional VLA

N filtering: CodeCopyshow mac address-table vlan This shows MAC addresses for a specific VLAN. If the device is behind multiple switches, you may need to trace through uplinks using show cdp neighbors and check the MAC table on the access switch where the device is directly connected.

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Juniper Switches

For Juniper E

X series switches: Show MAC addresses for a VLAN: CodeCopyshow ethernet-switching table orCodeCopyshow bridge mac-table Check MACs on a specific interface: CodeCopyshow ethernet-switching table interface This displays all MAC addresses learned on that port. Juniper also allows limiting MAC addresses per port or locking a port to a specific MAC to prevent flooding.

Using SNMP

If you prefer automated or remote monitoring: Use the dot1dTpFdbPort OID to find the port index for a MAC address. Map the port index to the actual interface using dot1dBasePortIfIndex.

Example SNM

P command: CodeCopysnmpwalk -v 1 -c public 1. 3. 6.

1. 2. 1.

17. 4. 3.

1. 2 | grep "INTEGER: " Then retrieve the MAC addresses associated with that port.

Summary

Cisco: show mac address-table interface Juniper: show ethernet-switching table interface SNMP: Use dot1dTpFdbPort and dot1dBasePortIfIndex to map MACs to ports. These methods allow you to identify all devices connected to a specific switch port, whether for troubleshooting, auditing, or network management purposes.

Article Content

Finding device at access switch

Log into the access layer switch, and use the show mac-address address and copy and paste in the mac address. This will show you the port the device is connected to.

Solved: Finding switch & port using MAC add

The easiest way to do this is to use a free software called "switchmap" It inventory you switches once or twice a day (you can do more than 2 times if you want) and create a map of all the

Commands to Find Device Mac Address on Cisco Switch Port

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To find the port to which a device with a specific MAC address is connected on a Cisco switch, follow these steps: 1. Log in to the switch. Access the switch through SSH or console

How to Find a Device MAC Address on a Cisco Switch

Locating a device''s MAC address on a Cisco switch port is a fundamental skill for network administrators. Whether you''re enforcing security measures, troubleshooting an issue, or tracking

HowTo: Find switchport for a MAC Address on a Cisco Catalyst Switch

That tells you, it is the Access switch 1 that is connected to Te1/1 and not the device itself. Now, log onto the Access switch and do a "show mac-adddress-table" command for the MAC address and that

Quicker way to trace a device location by its MAC address

Another option is using an IP Address Management (IPAM) tool with switch port mapping, like SolarWinds UDT or Netdisco. If you prefer a built-in approach, enabling LLDP/CDP on switches

Back to Basics: Network Tracing

Efficiently trace and verify network ports using commands like ''show mac address-table'' and ''show arp'' for IP and MAC address identification.

MAC Address Table Lookup Deep Dive: Mastering Switch-Level

A MAC address table (also called a CAM table) is a database in Layer 2 switches that maps MAC addresses to physical switch ports. When a frame arrives, the switch looks up the destination MAC in

How to Locate a Host On a Switch Given Its MAC Address

Once you have the MAC address and have access a network switch, you can use the “ show mac address-table address ” command to try to track down the switch port the host is

Install Docker Desktop on Mac

If you manage fleets or install via MDM, use the PKG installer. Keep the installer volume mounted until the installation completes. If you encounter a "Docker.app is damaged" dialog, see Fix "Docker.app

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How to find which device is connected to the switch port using mac address?

Hi there, If you are seeing multiple MAC address on a trunk port this is a clear indicator that there is another switch/ hub connected at the other end. You will need to run the sh mac address

Solved: Finding switch & port using MAC add

Hi, let say in the building of 6 level level 6 is the core switch level 5 - 1 is access switch i need to find mac address of a PC ended with .ab01 i know the ''sh mac add-table | in ab01, it will

Rick Astley

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Commands to find mac-address and IP on a port

Can someone show me the commands to find a mac-address on a switch and if I know the port I am looking to find it on, also how i find the IP address on that port

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How to close TCP and UDP ports via windows

Does somebody knows how to close a TCP or UDP socket for a single connection via windows command line? Googling about this, I saw some

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