

Check MAC address on core switch



AI Overview

You can check a core switch's MAC address using the `show version` command for the switch itself, or `show mac address-table` to view MAC addresses learned on its ports.

Checking the Switch's Own MAC Address

To find the MAC address of the core switch itself:

- Log in to the switch via console, SSH, or Telnet.
- Enter privileged EXEC mode by typing `enable`.
- Run the command:

`show version` In the output, look for a line like:

Base ethernet MAC address: 0007.ECE1.5D18 This is the switch's primary MAC address, often used for STP and VLAN 1 interfaces .

Checking MAC Addresses on Switch Ports

Each switch port may have its own MAC address, especially on Layer 3 switches or routed ports. To see MAC addresses learned on each port:

- Enter privileged EXEC mode.
- Run:

`show mac address-table` This displays a table with VLANs, MAC addresses, type (dynamic or static), and the port where each MAC is learned .

- To find a specific device's MAC address and its port:

`show mac address-table address` Replace with the device's MAC. The output shows the VLAN and port where the device is connected

Article Content

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Help with command to locate devices by MAC addresses on switches

On core switch enter sh cdp nei (port) detail Telnet to IP address of switch listed.
Enter sh mac address-table address

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Commands to Find Device Mac Address on Cisco Switch Port

To find the MAC Address on a Cisco switch port, we use the command show mac-address-table. Let's understand the

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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

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How to trace end user connected from which L2 switch

This command will tell you which port the MAC address is associated with on the switch. If it points to an uplink port,

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2025 Network Switch MAC Address: Easily Find, Add, or Delete

Understand how to manage MAC addresses on your network switch. Easy steps for finding, adding, and deleting MAC

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Find Switch and Port using Macaddress on Port-Channel

Hello together, I need to know which Device is connected to a switch port. My starting Point is on Coreswitch where I

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How to trace a MAC address on a switched LAN?

How to trace a MAC address on a switched LAN? I want to be able to find out a switch port's MAC address. No device uses IP,

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From core : Finding Mac address and port interface of the end device ...

The mac table on the core will only contain addresses layer 2 adjacent through the core switch and show on the

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Finding out MAC addresses of devices PHYSICALLY connected to switch

So at this point I don't really trust that the map is accurate, but was using it as a starting point of what switches to

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Simple command to search MAC/IP address on my Cisco Switch

If they are stacked, you only have to run it on one switch. If not, you can check use show mac address-table to see which switch the

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How to see mac address of the switch that you are currently on

Yes, each switchport has it's own MAC address, I think this is how the switch itself (ASICs) makes forwarding decisions. Not quite

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Mapping out network interfaces using mac-addr-table, arp, and

Trying to triangulate this information in my mind for each switch, see if it's first and access port or trunk, check the mac address table,

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How to find IP & MAC addresses on Cisco IOS Devices

As a Network Administrator/Engineer you may be asked to find MAC addresses and/or IP Addresses, hopefully this

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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/

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How To Find MAC Address On Switch?

How To Find MAC Address On A Network Switch Finding the MAC address on a network switch is crucial for network

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How to Check MAC address Table in CISCO Switch?

How to Check MAC address Table in CISCO Switch? | CCNA | Networkforyou Network

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Back to Basics: Network Tracing

This command will show the internal MAC address-table of the switch or router that you are on. This will give you the

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If I know the MAC address of a system on the campus network

25 votes, 44 comments. Other than manually going on every switch to try locate it in the mac address-table?

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Find a Host by MAC Address

How to find a host by it's MAC address on Cisco switch. In everyday work, it's often necessary to determine the switch

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How to see mac address of the switch that you are currently on

1) I DO NOT mean the mac addresses that the switch has learnt. (from what I know you can check that by Switch#sh mac-address

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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

Nov 18, 2025

Dell Networking X Series: How to Check MAC Address Table Using

Manage Dell Networking X Series switches via WebGUI or CLI to view MAC address tables, including dynamic,

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How Do I Know the System MAC Address of a Switch?

To check the system MAC address of a switch, run the display system mac-address command.

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How to Find a Device MAC Address on a Cisco Switch

In this article, we'll explore how this can be done on Cisco-based networks ranging from a single switch to a larger enterprise network

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mac address

Good morning, How do I find out which port on a Cisco switch is connected to a particular MAC address? I recently

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Viewing the MAC addresses of connected devices

Lists the MAC addresses of the devices the switch has detected, on the specified ports. Lists the port on which the switch detects the

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switch mac address

Hi guys, Ok, I am studying little bit of switching technology for my day to day job requirement. May be following are

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Checking MAC Addresses on a Cisco Switch

Checking MAC Addresses on a Cisco Switch You can check the MAC addresses stored by a Cisco switch by logging

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