

View the MAC address table of the access switch



Overview

To kick things off, it's essential to know how to view the MAC address table on your Cisco device. The MAC (Media Access Control) address is a 48-bit physical identity of a device used to uniquely identify a device in layer 2 of the OSI model. It is represented in hexadecimal. The switch keeps. 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 06-07-2016 09:05 AM 06-07-2016 09:05 AM 06-07-2016 09:23 AM you don't need layer 3 device, will work fine on layer 2 switch as long ip &. This process is called building the MAC address table. How do i get the mac address for only the connected access ports of that particular switch only. One of the key functionalities of a switch is its ability to build and maintain a MAC (Media Access Control) address table.



Article Content

Feb 05, 2026

Configuring the MAC Address Table

Information About MAC Addresses To switch frames between LAN ports efficiently, the switch maintains an address table. When the switch receives a frame, it associates the media access control (MAC)

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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 can make your job a little bit

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MAC Address Table on Cisco Switches

View MAC addresses for a specific VLAN It's possible to view all learned MAC addresses for a specific VLAN. I use this command to ensure I've trunked a VLAN across all necessary uplinks.

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Switch Mac Address: What's It and How Does It Work?

Explaining switch MAC addresses, differences between MAC and IP addresses, the MAC address learning process, and configuring the switch MAC

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mac address for each access port in catalyst switch

I thought you were asking for the MACs of the access ports, themselves. Are you trying to just obtain the MACs of hosts only directly connected to access ports of a switch?

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cisco Ccnp Switch

The address table lists the destination MAC address, the associated VLAN ID, and port number associated with the address and the type (static or dynamic). Layer 2 switching is based on hardware

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MAC Address Table Entries on a Switch in Packet Tracer

MAC address table entries are a fundamental aspect of Ethernet switching that enables efficient data forwarding within local area networks. In Packet Tracer, you

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How to Find MAC Table

The MAC address table, also known as the content addressable memory (CAM) table, provides information about the devices connected to the switch and their

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MAC Address Table On a Cisco Switches

The MAC (Media Access Control) address is a 48-bit physical identity of a device used to uniquely identify a device in layer 2 of the OSI model. It is

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Commands to find mac-address and IP on a port

Solved: 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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Show Mac-Address-Table Command on CISCO Router/Switch

Syntax Switch#show mac-address-table Example In this example, the mac address table is displayed for SW3.

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Finding a MAC address on the network

show mac address-table | include ab12.cf34.aa21 The output will tell you the port of the connected device, e.g.: ab12.cf34.aa21 DYNAMIC Fa0/2 If Fa0/2 is a trunk, go to that switch and

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How to Find MAC Table

4.Access the VLAN Interface (Optional): ♦If your switch uses VLANs and you want to check the MAC address table for a specific VLAN, enter the VLAN interface.

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7.3.7 Lab

ObjectivesBackground / ScenarioRequired ResourcesPart 1: Build and Configure The NetworkPart 2: Examine The Switch Mac Address TableA switch learns MAC addresses and builds the MAC address table, as network devices initiate communication on the network.See more on itexamanswers Networks Training

How to Find a Device MAC Address on a Cisco Switch

Sometimes called the CAM (Content Addressable Memory) table, due to the type of memory it uses to store its information, the MAC address table allows the switch

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How to Manage and Troubleshoot the Cisco MAC Address Table

This piece of the network puzzle is crucial for the smooth operation of your switches and routers. Here, we will demystify the practical steps needed to manage and troubleshoot this essential

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Switch Administration Guide

The MAC address table contains address information that the Switch uses to forward traffic between the inbound and outbound ports. All MAC addresses in the address table are associated with one or

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HP 2520 Viewing the Switch's MAC Address Tables, Menu Access to the MAC ...

HP ProCurve 2520 Viewing the Switch's MAC Address Tables, Menu Access to the MAC Address Views and Searches, Status and Counters, 5.VLAN Address Table, 1.Status and Counters

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How to Check MAC address Table in CISCO Switch?

The MAC address table is a table that stores the MAC addresses of all the devices that are connected to the switch. The switch uses the MAC address table to forward traffic between ports.

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Cisco IOS LAN Switching Command Reference

To send a notification of the dynamic changes to the MAC address table, use the mac-address-table notification change command in global configuration mode. To return to the default

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MAC Address Table Entries on a Switch in Packet Tracer

In this blog, we'll explore what MAC address table entries on a switch, why they are important, and how to view and manage them using Packet Tracer, a popular

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Switch Administration Guide

When a Static MAC Address is specified, it sets the MAC address to a VLAN or port and makes the entry in its forwarding table. These entries are then used to forward packets through the Switch.

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Understanding the Cisco MAC Address Table: A Beginner's Guide

Through efficient MAC address table management, administrators not only uphold network efficiency but also fortify network security, safeguarding data and preventing unauthorized

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Checking MAC Addresses on a Cisco Switch

Switches maintain a table of both static and dynamically learned IP addresses. Cisco switches have a number of special built-in addresses such as the 4 static address above. E.g., in the

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How to Find a Device MAC Address on a Cisco Switch

Each entry in the MAC address table has an aging time. If the switch doesn't detect a frame from a particular MAC address within that aging time, which by default on a

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Find Switch and Port using Macaddress on Port-Channel

In the 1st place try `sh int port-channel 1` about 10 line down it should say what interfaces are making up the port channel, then hopefully you can use `sh cdp nei` for that interface, or may by

Contact Us

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