

How to view the IP address of connected devices on a switch

Article Overview

You can find the IP address of a switch and connected devices using command-line tools, network utility software, or by accessing the switch's management interface.

Finding the IP Address of a Switch

o Using Command Prompt (Windows) or Terminal (macOS):

o Open the Command Prompt or Terminal.

o Type the command `arp -a` (Windows) or `arp -a | grep -i switch` (macOS) to display a list of devices on your network along with their IP and MAC addresses. Look for the entry that corresponds to your switch .

o Using Network Utility Tools:

o Download and install network scanning tools like Advanced IP Scanner, Angry IP Scanner, or SolarWinds IP Address Tracker. These tools can provide detailed information about devices on your network, including their IP addresses .

o Accessing the Switch's Management Interface:

o If you have access to the switch, you can log in via Telnet or SSH. Use the command `show ip interface brief` to find the management IP address assigned to the switch .

Finding IP Addresses of Connected Devices

o Using the Switch's MAC Address Table:

o Log into the switch and use the command `show mac address-table` to see a list of MAC addresses associated with each port. This will help you identify which devices are connected to which ports .

o Using ARP Table:

o After identifying the MAC addresses from the switch, you can check the ARP table on your router or switch using the command `show ip arp`. This will map the MAC addresses to their corresponding IP addresses .

o Using CDP/LLDP:

o If your switch supports Cisco Discovery Protocol (CDP) or Link Layer Discovery Protocol (LLDP), you can use the command `show cdp neighbors detail` or `show lldp neighbors detail` to find detailed information about connected devices, including their IP addresses . By following these methods, you can effectively find the IP address of your switch and the devices connected to it, allowing for better network management and troubleshooting.

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Switches are layer-2 devices, and the ethernet headers contain MAC addresses. A switch will create and maintain a

Managed switches can be assigned an IP. As for the original question, if it is a Cisco device, and you can telnet into a

Given an IP address, you should be able to find the MAC address of the corresponding host. (Note that this will need to be run on a

You can get to know the IP address of the host connected to any switch port by using the ARP table feature. Please

Learn how to find the IP addresses of devices connected to two switches, such as a laptop and IP cameras. This guide

I was searching for the IP address of an OpenBMC device connected via the switch, but I couldn't find it. The switch is a

Hi, How can I view the devices (IP Address/MAC address) connected to each port on the switch? I've seen a demo of

Hi, What is the way to find the IP address of another Host connected on the Network ? I usually ping the Host name to find it, but is

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

How can I get the current addresses for the cameras from a device connected to switch B? If it's relevant, switch A is a

You can run the display arp command to view IP addresses and interfaces of servers directly connected to a switch.

Ip device tracking can work on L2 switches even without having an IP configured. There is a new feature that was implemented in

In that case, the IP address associated with that MAC address is the IP of the device connected to that port - if the

The switch does not keep track of the IP addresses of any of the clients connected. It uses the MAC addresses

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to

This quick tip shows you how to find the IP address of a device connected to a specific

This article provides a comprehensive guide to locating IP addresses associated with Cisco switches, covering various

Web: <https://www.morwarreconst.co.za>

