

Check which switch the IP address is connected to



Article Overview

You can trace an IP address to its connected switch and port by identifying the MAC address, checking ARP tables, and following it through the network switches.

Step 1: Identify the MAC Address

First, determine the MAC address associated with the IP address. On a Windows machine, use `arp -a` after pinging the IP. On Linux/Unix, use `arp` or `ip neigh` commands. This MAC address is essential for mapping the IP to a switch port .

Step 2: Access the Core Switch or Router

Log into your core switch or router that has a central view of the network. Use the ARP table to locate the interface associated with the MAC address. On Cisco devices, the command `show ip arp` can help identify the VLAN and interface .

Step 3: Trace the MAC Address Through Switches

Use the MAC address table on each switch to find the port where the device is connected. On Cisco switches, the command is:

```
show mac address-table address
```

If the MAC address appears on an uplink port, move to the next switch along the path and repeat the command until you find the edge switch where the MAC is on an acc...

Article Content

IP Address Lookup

IPLocation.io provides a free IP lookup tool to check the location of your IP Address. Data is gathered through several GEO IP data

How do I find the IP address of routers and switches on my network?

If you want to find IP addresses of other "peer" machines connected to your network, you really need a scanning tool

How to find the port a device is connected to, based on IP, on a Cisco ...

At the switch, ping the IP address you want to find. If the address is on the same subnet as the switch's management address, an

ShowMyIP

What is an IP address? An Internet Protocol (IP) address is essentially a unique identification number for machines connected to any

How to find which devices are connected to switch port

Whenever we have an audit or want to find which switch ports are connected to which devices, we can get the same information

How can I see the IP addresses which are connected to a switch?

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

How To Find IP Address Of A Client Connected To Switch ?

After getting the MAC address it is time to find the IP address of the client ! To determine the IP address, go to the Layer-3 device

Contact Us

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