How to display the connected IP address on a Huawei switch



Overview

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

Key Takeaways

Use the display arp or display arp all commands to view IP addresses of devices connected to a Huawei switch.

Viewing I

P Addresses on Huawei SwitchesLayer 3 Switches: If your Huawei S series switch operates at Layer 3, you can display the IP addresses of connected clients using the following commands:display arp – Shows the IP addresses and corresponding interfaces of devices that have communicated with the switch.display arp all – Displays all ARP entries, including both dynamic and static, which helps identify all connected clients if you know their MAC addresses. Layer 2 Switches: For switches operating at Layer 2, only the MAC addresses of connected devices are visible. To find the IP addresses: Identify the MAC address using display mac-address.

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Then, if the device is reachable, check the IP on the client itself using ipconfig /all (Windows) or ifconfig/ip addr (Linux) to map the MAC to an IP. Additional Useful Commandsdisplay interface brief – Shows the status of all interfaces, including which ports are up or down, helping correlate IPs or MACs to physical ports.display vlan vlan-id – If the interface type is VLANIF, this command shows the physical interfaces associated with that VLAN.display bridge-domain bd-id – If the interface type is VBDIF, this command provides detailed physical interface information.display lldp neighbor – Lists neighboring devices that support LLDP, including their device type, port, and hostname, which can help identify connected devices.

Practical Steps

Enter system view: system-viewRun display arp to see IP addresses of directly connected devices. If needed, check the MAC table with display mac-address to identify unknown devices.

For VLA

N or bridge-domain interfaces, use display vlan vlan-id or display bridge-domain bd-id to trace the physical port. By combining these commands, you can map IP addresses to MAC addresses and physical ports, providing a complete view of devices connected to your Huawei switch.

Article Content

How Do I View IP Addresses of Servers Directly Connected to a

You can run the display arp command to view IP addresses and interfaces of servers directly connected to a switch. Meanings of fields in the command output are as follows:

9 Query Commands for Huawei Switches

This article will introduce in detail the nine query commands of Huawei switches to help you quickly understand the operating status and

Display IP addresses of clients connected to S series switch

When an S series switch, except S1700, works at Layer 3 and you have known the MAC address of a connected client, you can run the display arp all command to check the IP address of

huawei switch cheat sheet · GitHub

This will show you the IP addresses and MAC addresses of devices that have communicated with the switch recently. You can then use a MAC address lookup tool to identify the

© 2026 EXF OPTICAL NETWORKS - All rights reserved

9 Essential Huawei Switch Commands Every Network Pro Should

It shows how the switch will forward packets towards specific destination networks – indicating the next-hop IP address or the directly connected exit interface.

Top 5 Huawei Display Commands That Make Network Management

In this post, we will explore the top 5 Huawei display commands that can make your daily tasks easier and improve your understanding of what is happening behind the scenes.

Mastering Huawei Switch Management: 9 Essential Query Commands

In this article, we''ll explore nine essential query commands for Huawei switches that every network administrator should know. Whether you''re a seasoned professional or new ...

Essential Display Commands for Daily Maintenance of Huawei Switches

Quickly view IP address allocation status, management status, and protocol status for all interfaces, facilitating rapid identification of interface-level faults.

Management Interfaces and Management IP Addresses of S Series

This document describes the management interfaces supported by switches and how to configure management IP addresses for switches.

Huawei Switch Show IP Address Secrets? Can Mastering This Cut

So, can mastering huawei switch show ip address and its companion commands genuinely prevent those dreaded network meltdowns? Absolutely – and here''s the concrete breakdown.

How To View Optical Transceiver Information On Huawei Switches

We connect Moduletek SFP-10G-LR transceiver to Huawei S6700 switch, and demonstrate how to view transceiver details on Huawei switches.

Connecting to UniFi with Debug Tools & SSH

Connecting to UniFi with Debug Tools & SSH Users have options to connect directly to their UniFi device. The recommended method is to use the built-in Debug Console in UniFi Network. Advanced

Unable connect more than one Huawei AP to a Huawei controller

The AP that can''t connect doesn''t shut down, and announces its default address ip 169.254.1. I suspect the proximity of the APs is forcing them not to work at the same time, or the lack of power on the

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Tech Advisor: Tech Reviews, News, Tutorials & Buying Advice

Tech Advisor helps you navigate a mobile world using the tech that is always with you. Our expert advice will steer you to the mobile, smart home and streaming products you love, and show you how

RouterOS

RouterOS Documentation This webpage contains the official RouterOS user manual. RouterOS is the operating system of MikroTik devices. Documentation applies for the latest stable

UniFi SSH commands: The ultimate cheat sheet | UniHosted

UniFi SSH cheat sheet: how to connect to adopted and non-adopted devices, plus set-inform, info, set-default, upgrade and reboot explained.

How can I Update Software in HUAWEI Nova 3i?

Find out what the newest form of EMUI is and update your HUAWEI Nova 3i software. How to Update Software in HUAWEI Nova 3i? At the very beginning, unlock your HUAWEI Nova 3i and tap on the

Macworld

Macworld is your ultimate guide to Apple''s product universe, explaining what''s new, what''s best and how to make the most out of the products you love.

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Contact Us

Continue your research online:

Website: https://explosivefunctions.co.za
Technical inquiry: https://explosivefunctions.co.za/contact.html
EU project coordination: Parque das Nações, Lisbon, Portugal

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 EXF OPTICAL NETWORKS - All rights reserved