How to view the IP address of a Huawei core switch



Overview

Purpose: Used to quickly view the IP address configuration and status of all interfaces of the switch to facilitate network management and troubleshooting.

Key Takeaways

You can view the IP address of Huawei core switches using commands like display interface, display vlan, display arp, or by checking the management interface configuration.

Viewing Management IP Addresses

Huawei switches support multiple management interfaces, including console port, Ethernet management port, mini USB port, and service interfaces. To check the management IP: Ethernet Management Port (MEth/ETH interface)Enter the interface view: interface MEth 0/0/1 or interface Ethernet 0/0/0Check the configured IP: display interface MEth 0/0/1 or display interface Ethernet 0/0/0The IP address assigned to the management port will be shown in the interface details.

VLA

N Interface (VLANIF)If the switch uses a VLAN interface for management, enter the VLAN interface view: interface VLANIF Display the IP address: display interface VLANIF This shows the IP address assigned to the VLAN used for management.

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Viewing IP Addresses of Connected Devices

To see IP addresses of devices connected to the switch: Use the ARP table: display arpThis command lists IP addresses and corresponding MAC addresses of devices that have communicated with the switch. Check interface brief: display interface briefThis shows all interfaces, their status, and IP configuration if assigned. For VLAN-specific details: display vlan This shows which ports belong to each VLAN and helps identify IP assignments.

Additional Useful Commandsdisplay ip routing-table – View routing entries and default routes, which can help identify the switch's IP in routed networks.display lldp neighbor – Identify neighboring devices and their IPs if LLDP is enabled.display mac-address – Check MAC addresses learned on each interface, which can be cross-referenced with ARP to find IPs.

Summary

To view the IP address of a Huawei core switch, first determine whether you are checking the management interface or VLAN interface. Use display interface for direct interface IPs, display vlan for VLAN-based IPs, and display arp to see connected devices' IPs. These commands provide a comprehensive view of the switch's IP configuration and network connectivity.

Article Content

9 Query Commands for Huawei Switches

Purpose: Used to quickly view the IP address configuration and status of all interfaces of the switch to facilitate network management and troubleshooting. Function: Display brief information

Configuring IP Addresses for Interfaces

You can configure multiple IP address for a Layer 3 interface on a switch, one as the primary IP address, and the others as secondary IP addresses. Each Layer 3 interface can have a maximum of 8

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 Essential Huawei Switch Commands Every Network Pro Should

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This fundamental command lists the MAC addresses dynamically learned by the switch or statically configured and associates them with specific interfaces and VLANs.

What are the common check commands for Huawei switches?

In the daily maintenance of Huawei switches, we need to use various inspection commands. Today, let''s take a look at the commonly used inspection commands related to port and

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 ...

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.

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.

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Check the ARP table: Use the command "display arp" to view the ARP table of the switch. This will show you the IP addresses and MAC addresses of devices that have communicated

Huawei switch configuration commands | DOC

The document provides a comprehensive guide on Huawei router and switch configuration commands, detailing various commands for managing IP addresses, routing, VLANs, and user privileges.

How to Change My IP Address: A Step-by-Step Guide

Your IP can impact your privacy. Learn how to easily change your IP address using one of three methods: a VPN, a proxy, or your router.

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Learn how to view IP addresses of servers and server interfaces connected to a Huawei switch for efficient network management.

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Display IP addresses of clients connected to S series switch

When an S series switch, except S1700, works at Layer 2, only the MAC address of the interface is displayed, but IP address is not displayed. When an S series switch, except S1700,

Huawei Switch Configuration Guide | PDF | Internet Protocols

The document provides configuration instructions and commands for basic switch configuration using Huawei switches. It covers topics such as changing the hostname, configuring user accounts and

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