

Viewing the core MAC address on a Huawei switch



AI Overview

Use the `display mac-address` and `display bridge mac-address` commands to view MAC addresses on Huawei core switches.

Key Commands

- `display mac-address`: Display the MAC address table. Use the command `display mac-address` to view all learned MAC addresses on the switch, including the associated VLAN, outbound interface, and entry type. You can filter by specific MAC address, VLAN, or interface:


```
CodeCopydisplay mac-address [mac-address] [vlan vlan-id | vsi vsi-name] display mac-address [vlan vlan-id | interface-type interface-number]
```

 This command helps identify which devices are connected to which ports and VLANs on the switch.
- `display bridge mac-address`: Display the system or bridge MAC address. The command `display bridge mac-address` shows the switch's system MAC address, which is also used for management interfaces, Layer 2 physical interfaces, and Layer 2 Eth-Trunk interfaces.
- `display interface-specific MAC addresses`: To view MAC addresses assigned to specific interfaces, including Layer 3 interfaces or sub-interfaces, use:


```
CodeCopydisplay interface
```

 This provides the MAC address for each interface, which may differ from the system MAC address for Layer 3 or sub-interfaces.
- `display arp`: Additional useful commands. `display arp` – shows IP-to-MAC mappings for devices that have communicated with the switch.
- `display interface brief` – shows interface status, speed, and duplex, useful for correlating MAC addresses to active ports.
- `display lldp neighbor` – lists connected devices and their MAC addresses via LLDP, helpful for network topology mapping.

Understanding MAC Address Types

- System MAC address**: The main device MAC, used by management and Layer 2 interfaces.
- Interface MAC addresses**: Unique to VLANIF, Layer 3 interfaces, sub-interfaces, and Eth-Trunks.
- Physical MAC addresses**: Globally unique hardware addresses for terminals.
- Broadcast and multicast MAC addresses**: Used for sending packets to all d...

Article Content

display mac-address

The display mac-address command displays the MAC address table of the switch modules. A MAC address entry contains the destination MAC address, VLAN ID, outbound interface, and entry type.

display mac-address

Using the display mac-address command, you can view information about a MAC address table. The displayed information includes the destination MAC address, ID of the VLAN that the

MAC query by IP address on Huawei S5700 switch

Commands to view the mac address of the device itself For boxed devices, such as S2700/S5700/S6700, you can view the mac address of the Layer 2 interface, which is the MAC of the device.

Master 16 Huawei Switch Display Commands

This article breaks down 16 essential Huawei switch display commands, covering version info, VLAN settings, MAC address tables, and STP protocol checks. Learn to diagnose network

huawei switch cheat sheet · GitHub

Check the MAC address table: Use the command "display mac-address" to view the MAC address table of the switch. This will show you all of the MAC addresses that the switch has

Exam H12-821_V1.0 topic 11 question 100 Discussion and Solutions

Explore Huawei H12-821_V1.0 Topic 11, Question 100 with a clear explanation and solution. Understand the reasoning behind the correct answer.

01-02 MAC ADDRESS TABLE CONFIGURATION

When the switch receives a packet, it searches the MAC address table for the MAC address of the destination. If the switch finds the MAC address, it forwards the packet from the corresponding

display mac-address

This page provides instructions for displaying MAC address information on Huawei devices, including commands, syntax, parameters, usage guidelines, and examples.

Mastering Huawei Switch Management: 9 Essential Query Commands

The display mac-address command shows the MAC address table of the switch, which maps MAC addresses to specific ports. This is essential for identifying connected ...

MAC Address Table Configuration Commands

When forwarding an Ethernet frame, the switch searches the MAC address table for the outbound interface according to the destination MAC address and VLAN ID in the Ethernet frame.

9 Query Commands for Huawei Switches

Purpose: Used to view the current switch configuration, help administrators understand the specific configuration of the switch, and facilitate configuration inspection and troubleshooting.

01-02 MAC ADDRESS TABLE CONFIGURATION

Hackers can send a large number of packets with different source MAC addresses to a switch, causing useless MAC addresses to fill up the MAC address table. As a result, the switch cannot learn source

MAC Address Table Configuration Commands

Usage Scenario The MAC address table of the switch stores MAC addresses of other devices. When forwarding an Ethernet frame, the switch searches the MAC address table for the outbound interface

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How Do I Check the MAC Address of a Device?

How Many MAC Address Flaps Will Trigger an Alarm? Will a Device Detect MAC Address Flapping in the Remaining Aging Time When the Interface Restores to Be Up Within the Aging Time? Does A

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How Do I Know the System MAC Address of a Switch?

Can the System MAC Address of a Switch Be Changed? How Do I Check the Reason Why a Card Was Reset? How Can I Perform an Active/Standby Switchover on CE16800, CE12800 and CE12800E

Displaying MAC Address Entries

S9300 and S9300X V200R024C00 Configuration Guide - Ethernet Switching This document describes the configuration of Ethernet services, including configuring MAC address table, link aggregation,

MAC query by IP address on Huawei S5700 switch

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

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

What are the common check commands for Huawei switches?

To view MAC address table information, you can use the command display mac-address. To view routing table information, you can use the command display ip routing-table. This command

Why Is Displaying MAC Address Critical for Huawei Switch Security?

In today's hyper-connected business landscape, Huawei switches have become the backbone of enterprise networks, ensuring seamless data flow and robust connectivity. However, ...

How to View MAC Address on Huawei S5700|S6700|S12700|S2700

In this video, I demonstrate how to view MAC addresses on Huawei S5700, S6700, S12700, S2700, and S3700 series switches.

MAC Addresses Available on S Series Switches (V200)

Introduction This document describes what a Media Access Control (MAC) address is, which MAC addresses are supported by switches, and how to configure MAC addresses on interfaces.

Displaying MAC Address Entries

CloudEngine S3700, S5700, and S6700 V600R023C00 Configuration Guide - Ethernet Switching Configuration

MAC Address Table Configuration Commands

When the switch has many MAC address entries of different types, you can use the display mac-address total-number command to view statistics on MAC address entries of a specified type.

Contact Us

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