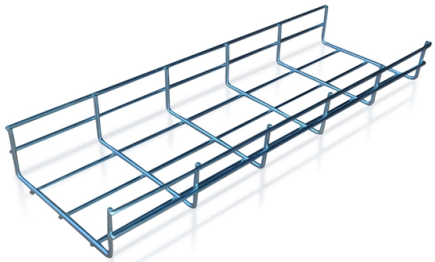
How to assign IP addresses to Huawei core switches



Overview

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.

Key Takeaways

Assigning an IP address to a Huawei core switch involves configuring a VLAN interface in Layer 3 mode, setting the IP and subnet mask, and optionally defining a default gateway for management access.

Step-by-

Step Configuration1.

Access the Switch CL

I Connect to the switch using a console cable, SSH, or Telnet. Open terminal software (e.g., PuTTY or SecureCRT) and log in with administrative credentials. Enter system-view mode to enable configuration changes: CodeCopysystem-view 2.

Select the VLAN Interface Choose the VLA

N interface that will carry the management IP. For example, to configure VLAN 1: CodeCopyinterface Vlanif1 This enters the VLAN interface configuration mode. 3.



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Assign the I

P Address and Subnet Mask Set the desired IP address and subnet mask for the VLAN interface: CodeCopyip address 192. 168. 1.

10 255. 255. 255.

0 Replace 192. 168. 1.

10 and 255. 255. 255.

0 with your network-specific values.

This I

P will serve as the management address for the switch. 4. Configure the Default Gateway (Optional) If the switch needs to communicate with devices outside its subnet, configure a static default route: CodeCopyip route-static 0.

0. 0. 0 0.

0. 0. 0 192.

168. 1. 1 Replace 192.

168. 1. 1 with the IP of your network gateway.

5. Exit and Save Configuration Exit interface configuration mode and save the changes to ensure they persist after a reboot: CodeCopyquitsave 6.

Verify the Configuration Check the I

P address assignment and interface status: CodeCopydisplay ip interface brief This command lists all configured interfaces and their IP addresses. You can also ping the IP from a connected device to confirm connectivity.

Additional Notes

Ensure the VLAN interface is in Layer 3 mode; by default, Ethernet interfaces operate in Layer 2 mode. Only one primary IP address can be assigned per interface, but secondary IP addresses can be configured if the switch needs to communicate with multiple subnets (up to 8 secondary IPs per interface). For core switches, it is recommended to use a dedicated management VLAN to avoid conflicts with service traffic.

Following these steps ensures that your Huawei core switch is reachable for management and integrates properly into your network infrastructure.

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Article Content

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

Configuring the Core Switch

In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core switch, so as to implement connectivity

How to Assign an IP Address in a Huawei Switch? Why Proper ...

Mastering IP address assignment on a Huawei switch isn''t about memorizing commands—it''s about understanding how this single task weaves into your network''s DNA.

01-01 IP ADDRESS CONFIGURATION

Configure the IP address or subnet mask correctly. The IP address must be a Class A, Class B, or Class C IP address. The subnet mask must match the IP address.

01-01 IP ADDRESS CONFIGURATION

You can configure multiple IP address for a Layer 3 interface on a industrial switch router, one as the primary IP address, and the others as secondary IP addresses.

Network Admin''s Must-Know: How to Change IP Address on Huawei

Whether you''re troubleshooting connectivity issues or segmenting networks for enhanced security, mastering how to change IP address on Huawei switch proves critical.

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

How to do Starting Configuration of Huawei Ethernet Switch S5735

In this video, we configure huawei network switch s5735 and S5700 series. first, go through the initial mode to access GUI (graphic user interface) web pag...

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

How to Assign an IP Address in a Huawei Switch? Why Proper ...

Remote Management: Unlocking the Switch''s Full Potential Once your Huawei switch has a valid IP, enable protocols like SNMP or Telnet/SSH for remote oversight. Navigate to user

how to assign IP address on on Huawei and Cisco on Switch and

How to assign IP address on Huawei and Cisco on Switch and Router and default gateway on Cisco and Huawei Switches

Typical DHCP Configuration

Compared with an interface address pool, the global address pool can be applied to large networks. The DHCP server function based on the global address pool should be configured on a core device, or an

SME Network Solution Typical Configuration Examples

"Gateway + Core Switch + Access Switch + AP + AR180" Networking: Huawei eKit Cloud Management "Gateway + Core Switch + Access Switch + WAC + AP" Networking: Local Entire Network

Huawei S Series Quick Configuration

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