

Configuring DHCP Relays on Huawei Core Switches



Article Overview

To configure DHCP relay on a Huawei switch, create a DHCP server group, enable DHCP relay on the relevant VLAN, and bind the VLAN to the DHCP server group.

Step-by-Step Configuration

- Create a DHCP Server Group:
- Access the switch's command line interface (CLI) and create a DHCP server group.

This can be done using the following command:

```
dhcp server group dhcpgroup1
```

- Add DHCP Servers to the Group:
- Specify the IP addresses of the DHCP servers that will be used for IP address allocation:

```
[Switch-dhcpgroup1] server-ip 10.10.10.1
```

- Enable DHCP Relay on the VLAN Interface:
- Identify the VLAN interface (e.g., Vlanif 100) where you want to enable DHCP relay. Use the following command to enable it:

```
interface Vlanif100[Switch-Vlanif100] dhcp select relay
```

- Bind the VLAN Interface to the DHCP Server Group:
 - Bind the VLAN interface to the DHCP server group you created earlier:
- ```
[Switch-Vlanif100] dhcp relay binding server-group dhcpgroup1...
```

## Article Content

### Configuring DHCP Relay

Procedure Configure DHCP relay in the intra-VPN scenario. Run system-view The system view is displayed. Run dhcp

### DHCP Configuration on Huawei Switch – SYSTEMCONF

In this article, I will briefly show how to activate Dhcp on our Huawei device. After connecting to the CLI via console,

### Example for Configuring the Device as a DHCP Relay (on the Same

Configure the DHCP relay on SwitchA (user gateway) to forward DHCP packets between the terminals and DHCP server. On

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### Configure DHCP relay on S series switch

Solution For S series switches (except S1700 switches), when the DHCP server and clients are on different network segments, you

### Configure Dynamic Host Configuration Protocol (DHCP) Relay ...

This article provides instructions on how to configure DHCP Properties through the Command Line Interface (CLI) of

Huawei DHCP server configuration

If no separate DHCP server is available the Huawei router/switch can also be configured as a DHCP server. There

### Huawei IP-Helper/DHCP relay configuration

If the DHCP is not in the same network, then the DHCP Discover and Request must be forwarded via DHCP Relay

### Enabling the DHCP Relay Function

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - IP Service This document describes the configurations of IP

### How do Huawei switches configure DHCP trunking? Relay

When Huawei switches are used, in many cases, we need to configure DHCP relay service on the layer-3 switch to

Huawei DHCP server configuration

This article describes two ways in which a DHCP server can be configured on a Huawei router or switch

## 01-03 DHCP CONFIGURATION

A client-server model forms the basis of DHCP and consists of two roles that a Huawei switch can fulfill: DHCP server and DHCP

### Configuring a DHCP Relay Agent

The dhcp enable command is the prerequisite for configuring DHCP-related functions, including DHCP relay, DHCP

### Huawei DHCP relay (relay) configuration tutorial

When the DHCP client and the DHCP server are connected via Layer 3 devices (not on the same network segment), the DHCP relay

### Configuring DHCP Relay

Common ACL Operations Common QoS Operations Common SNMP Operations  
Common Mirroring Operations Common

### Typical DHCP Configuration

On Switch\_3, configure the DHCP relay function to function as the branch's gateway to forward DHCP packets between the terminals

Example for Configuring a DHCP Relay Agent (DHCP Relay Agent and DHCP ...

S7700 V200R024C10 Configuration Guide - IP Service This document describes the configurations of IP service, including IP

Example for Configuring a DHCP Relay Agent (DHCP Relay Agent and DHCP ...

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - IP Service This document describes the configurations of IP

Example for Configuring a DHCP Relay Agent (DHCP Relay Agent and DHCP ...

Networking Requirements In Figure 3-15, SwitchB functions as a DHCP server and resides on a different network segment from

### Example for Configuring DHCP Relay

This section provides an example for configuring a DHCP relay agent to forward DHCP messages between the DHCP clients and the

## 01-03 DHCP CONFIGURATION

If the broadcast flag bit is 1, the DHCP relay agent broadcasts the DHCP Reply message to the DHCP client; otherwise, the DHCP

## 01-03 DHCP CONFIGURATION

3.1 Overview of DHCP Definition The Dynamic Host Configuration Protocol (DHCP) automates the assignment of network

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