Configuring Remote Access on Huawei Switches

Overview

Configuring SSH on a Huawei switch isn''t a “set and forget” task—it''s an ongoing commitment to encryption hygiene.

Key Takeaways

Remote access on Huawei switches can be securely configured using SSH or Telnet by creating local users, setting authentication methods, and enabling VTY lines for remote login.Step 1: Access the Switch

Connect to the Huawei switch via the console port or an existing SSH/Telnet session. Enter the system view to begin configuration:

system-view Step 2: Configure Local Users

Create a local user with a password, privilege level, and service type. For SSH access:

aaalocal-user admin password irreversible-cipher YourPassword123local-user admin privilege level 3local-user admin service-type terminal ssh

For Telnet access, replace ssh with telnet in the service-type command .

Step 3: Enable SSH Server

Activate the SSH server on the switch and generate RSA keys for encryption:

stelnet server enablessh client first-time enablersa local-key-pair create

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This ensures secure encrypted communication for remote management .

Step 4: Configure VTY Lines

Assign the VTY lines to use AAA authentication and allow inbound SSH or Telnet connections:

user-interface vty 0 4authentication-mode aaaprotocol inbound allquit

This allows multiple simultaneous remote sessions while enforcing authentication .

Step 5: Assign IP Address to VLAN Interface

Ensure the switch has an IP address on a VLAN interface to allow remote access:

interface vlanif 1ip address 192.168.1.1 255.255.255.0undo shutdownquit

Replace the IP address and subnet mask with your network configuration .

Step 6: Test Remote Access

From a client device, use an SSH client (like PuTTY or S-CRT) to connect to the switch using the configured username and password. Verify connectivity and authentication.

Step 7: Save Configuration

Make the configuration permanent to survive a reboot:

save Security Best Practices
• Prefer SSH over Telnet to encrypt traffic and protect credentials .

• Use strong passwords and consider key-based authentication (RSA, DSA, or ECC) for SSH users .

• Limit VTY access to trusted IP addresses if possible.

• Regularly update user credentials and monitor login attempts. By following these steps, you can securely configure remote access on Huawei switches, ensuring both accessibility and network security.

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Article Content

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This document describes the VPN configuration procedures and provides configuration examples.

Typical Login Configuration

Configure the management IP address and Telnet to facilitate remote maintenance on the Switch. Connect the DB9 female

Basic CLI Commands on Huawei Switch

The text covers tasks such as creating a user, VLAN configuration, port settings, enabling SSH and Telnet

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2 Logging In to the Switch Through the Web System

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There are multiple methods to log in to the switch through web. For details, see Table 2-1. Select a proper login method. The switch

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Configuring a Web User and Logging In to the Web System

The access type of the local user is set to HTTP. By default, no access type is configured for a local user. Run local-user user-name

Enabling the SSH Server Function

This guide provides instructions for enabling SSH server function, using CLI, performing file operations, and configuring system

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HUAWEI S Series Switch-Configure Remote Telnet Login video demonstrates how to

S600-E Series Switches Typical Configuration Examples

Configure an authentication mode for the console user interface so that the user is authenticated upon the next login

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The remote device in client mode applies to the headquarters for an IP address to establish an IPSec tunnel with the Efficient VPN

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Networking Requirements The network administrator requires remote management and maintenance on a switch and

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Example for Configuring RADIUS Authentication and Accounting

Example for Configuring RADIUS Authentication and Accounting Networking Requirements As shown in Figure 2-30, users belong to

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How To Configure WebUI Access to Huawei S5700 Switch

To access the S5700 switch via the WebUI, a few configurations must first be made via the console. It is assumed

Enable SSH on a Huawei Switch

To enable SSH on a Huawei switch, follow these steps:Step 1: Configure the Management Interface. Assign an IP

01-04 FIRST LOGIN TO A SWITCH

Before being able to configure a new switch, you need to log in to the switch. Once logging in, you can configure the device name,

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Basic Configuration

Provides basic configuration guidance for Huawei CloudEngine switches, including initial setup and network configurations.

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Typical Login Configuration

Find typical login configuration steps and technical support for Huawei products to enhance your user experience.

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This page provides guidance on configuring switch login through the web system using a built-in web server for

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