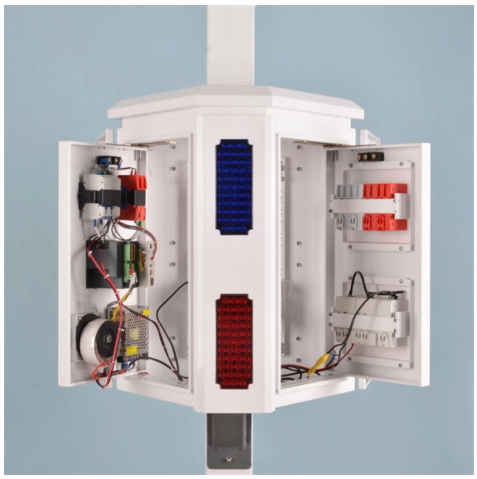
Configuring SSH for H3C Core Switches



Overview

Support As shown in Figure 1-28, establish an SSH connection between Switch A (SSH Client) and Switch B (SSH Server) for Support In this video, I have expl.

Key Takeaways

To configure SSH on an H3C switch, you must enable the SSH/Stelnet server, generate local key pairs, configure user authentication, and permit SSH login on the VTY lines. These steps follow the official H3C SSH configuration guides.1. Basic SSH Server Configuration (Password Authentication)Step-by-step

•

Enter system view

system-view

•

Generate RSA key pair (Required for SSH server operation)

rsa local-key-pair create

•

Enable SSH (Stelnet) server

stelnet server enable

•

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Enable SFTP/SCP if needed

sftp server enablescp server enable

•

Create an SSH user

local-user admin password simple YourPassword service-type ssh

•

Configure VTY lines for SSH login

line vty 0 4 authentication-mode scheme protocol inbound ssh

•

Assign an IP address to the management VLAN/interface

interface Vlan-interface 1 ip address 192.168.1.1 255.255.255.0
Connect from client

ssh admin@192.168.1.1 2. SSH Server Configuration (Public Key Authentication)Steps
•

Generate local key pair

rsa local-key-pair create

•

Import client public key

public-key-code beginpublic-key-code end

•

Bind public key to user

ssh user admin service-type sshssh user admin authentication-type publickeyssh user admin public-key client-key

•

Enable SSH server

stelnet server enable

•

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Configure VTY lines

line vty 0 4 authentication-mode scheme protocol inbound ssh

Public key configuration details are documented in H3C's SSH configuration guides.

3. Useful Optional SettingsChange SSH port

ssh server port 2222 Set SSH version (H3C uses SSH2 by default)

ssh server compatible-ssh1 disable Limit algorithms (Suite B / security hardening)

ssh server algorithms cipher aes256-ctr

(Algorithm configuration described in H3C security guide.)

4. Verification Commands

display ssh server statusdisplay ssh userdisplay ssh sessiondisplay rsa local-key-pair public 5. Example Complete Configuration (Password Authentication)

system-viewrsa local-key-pair createstelnet server enablelocal-user admin password simple MyPass123 service-type sshline vty 0 4 authentication-mode scheme protocol inbound sshinterface Vlan-interface 1 ip address 10.10.10.1 255.255.255.0 Summary

H3C SSH configuration requires enabling the SSH/Stelnet server, generating key pairs, creating an SSH user, and allowing SSH on VTY lines. These steps follow the official H3C configuration guides for S5500, S6520, and campus switches.

Article Content

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As shown in Figure 2-1, an SSH connection is established between Switch A and Switch B. Switch A, an SFTP client, uses the

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For more information about login methods and user interfaces, see H3C S10500X Switch Series Fundamentals Configuration Guide.

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As shown in Figure 1-4, establish an SSH connection between the host (SSH client) and the switch (SSH server) for secure data

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In the Web management interface, you can easily perform various configuration and management operations on the

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This section provides the SSH server configuration procedure used when the SSH client authentication method is password. For

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Prerequisites Before logging in to the device through the console port, prepare the following tools: · Console cable—An eight-core

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