

Article Overview

To enable access on a Huawei S5700 switch and connect it to a router, configure the management IP, user credentials, VLANs, and uplink interfaces to ensure internal and external network connectivity.

Initial Access and Management Setup

- o Console Access: Connect your PC to the S5700 switch using a console cable (USB-C or Mini USB) and terminal software like PuTTY. Set the serial parameters according to the switch documentation .
- o Login and Password: On first boot, the default user may be admin with password admin@huawei.com. Change this immediately to a secure password using the command:
[HUAWEI-aaa] local-user password cipher SHA2 encryption is recommended for administrator passwords .
- o Management IP: Assign a management IP to the switch to allow remote access:
interface Vlanif 1[HUAWEI-Vlanif1] ip address 10.10.1.1 255.255.255.0 This IP is used for WebUI or SNMP management .

Connecting to a Router

- o Uplink Interface: Connect one of the S5700's uplink ports (e.g., GE0/0/1) to the router's interface. Assign an IP address to the router interface in the same subnet as the switch's VLAN interface:
Router IP: 1.1.1.1/30Switch uplink IP: 1.1.1.2/30
- o Default Gateway: Configure the switch to use the router as its default gateway for external network access:
ip route-static 0.0.0.0 0.0.0.0 1.1.1.1

VLAN and Access Port Configuration

- o Create VLANs: Define VLANs for different user groups or departments:
vlan 10[HUAWEI-vlan10] quit
- o Assign Ports to VLANs: Configure access ports for end devices:
interface GigabitEthernet0/0/2[HUAWEI-GigabitEthernet0/0/2] port link-type
access[HUAWEI-GigabitEthernet0/0/2] port default vlan 10

WebUI Access

- o After configuring the management IP, connect a PC to the switch network and open a browser to http://.
- o Login with the configured credentials to manage the switch via WebUI .

Security and Best Practices

- o Use strong passwords and avoid default credentials.
- o Enable AAA authentication for user access control.
- o Consider port security, 802.1X authentication, and ACLs to restrict unauthorized access .
- o For high availability, S5700 supports iStack to combine multiple switches into a single logical unit .

Summary

By configuring the management IP, secure user credentials, VLANs, and uplink to a router, the S5700 switch can serve as an access or core switch in a campus network. Devices connected to the switch can communicate internally and access external networks through the router, while administrators can manage the switch via console or WebUI. Proper security measures ensure controlled and reliable access.

Reference Standards and Protocols To obtain reference standards and protocols, log in to Huawei official website, search for

This guide provides steps to configure a Layer 2 switch with a router for seamless internet access.

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S3700&S5700&S6700 Series CloudEngine S5735S-S24T4X-A: Access product manuals, HedEx documents, product images and

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

Quick Start Guide S2700, S3700, S5700, and S6700 Series Switches Issue: 41 (2023-05-20) Part Number: 31504991

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This article describes the basic configuration required to enable access to the S5700 switch via the WebUI interface.

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The S5700-LI is a next-generation energy-saving gigabit Ethernet switch that provides flexible GE access ports and 10GE uplink ports.

? Learn how to fully configure a Huawei S5700 Series switch step-by-step using real CLI commands!

Networking Requirements In Figure 3-325, a company has multiple departments that belong to different network segments, and each

To ensure device security, use ciphertext when configuring a password and change the password periodically. The switch considers

What's the role of Huawei S5700 Series in a network? In brief, the S5700 series gigabit enterprise switches (S5700 for

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