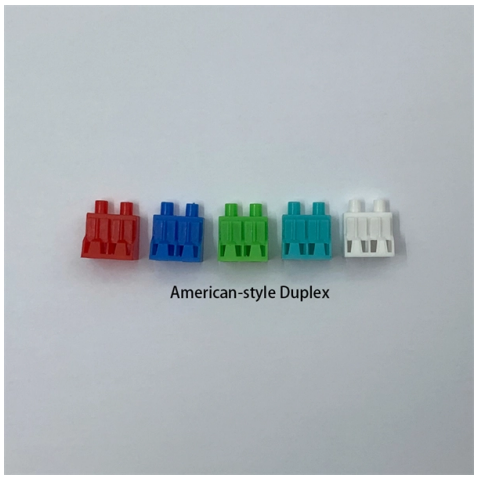
How to configure Huawei core switches



Overview

SME Network Solution Typical Configuration Examples "Gateway + Core Switch + Aggregation Switch + Access Switch + WAC + AP + AR180" Networking: Local Entir.

Key Takeaways

Huawei core switches can be configured by logging in via console or web interface, setting management IP, creating VLANs, assigning ports, configuring trunk links, and establishing default routes.

Initial Access and Login

Connect to the switch using a console cable, SSH, or Telnet. If using a PC without a serial port, a USB-to-serial adapter may be required. Log in with the default credentials (commonly admin / admin@huawei.com for V200R010C00 and later).

Change the password immediately for security. Verify the software version using the display version command to ensure compatibility with configuration commands.

Management IP Configuration

Enter VLA

N interface mode for management, usually VLAN 1:interface Vlanif1ip address 172. 20. 99.

38 255. 255. 255.

0 Set the default gateway for external network access:ip route-static 0. 0. 0.

0 0. 0. 0.

© 2026 EXF OPTICAL NETWORKS - All rights reserved

0 172. 20. 99.

1 Exit interface mode with quit and save the configuration to persist after reboot.

VLAN and Port Configuration

Create VLA

Ns for different network segments:vlan 10vlan 20vlan 30 Assign ports to VLANs: For access ports (end devices):interface range GigabitEthernet0/0/1 to 0/0/25port link-type accessport default vlan 10quit For trunk ports (inter-switch links):interface GigabitEthernet0/0/26port link-type trunkport trunk allow-pass vlan 1 10 20 30quit Verify VLAN assignments with display vlan and interface settings with display interface.

Connecting to Access Switches and Routers

Configure trunk links between the core switch and access switches to carry multiple VLANs. Connect the core switch to the AR router and configure the interface with the appropriate VLAN and IP settings. Ensure a default static route points to the AR router for external traffic:ip route-static 0.

0. 0. 0 0.

0. 0. 0 User and Management ConfigurationCreate administrative users with appropriate privileges:local-user admin password irreversible-cipher Helloworld@6789local-user admin privilege level 15local-user admin service-type telnet Enable SSH for secure remote management and disable insecure protocols if possible.

Saving and Verifying Configuration

Save the configuration to ensure it persists after reboot:save Verify connectivity and VLAN functionality by testing inter-VLAN communication and access to external networks. By following these steps, a Huawei core switch can be fully configured for a small to medium-sized campus network, supporting VLAN segmentation, trunking, and external routing.

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Article Content

SME Network Solution Typical Configuration Examples

"Gateway + Core Switch + Aggregation Switch + Access Switch + WAC + AP + AR180" Networking: Local Entire Network Deployment (EasyWeb) "Third-Party Gateway + Core Switch + Access Switch

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

Huawei Switch Configuration Guide

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

Huawei Switch Basic Configuration Step by Step

□□ In this video, I will show you step by step on how to configure Huawei switch using an actual device with the latest firmware version. □□ We will go through the very basic configuration ...

Huawei S Series Quick Configuration

Small- and Mid-Sized Campus Networks This section uses the S2750 as an access switch (ACC1), S5700 as a core switch (CORE), and an AR series router as an egress router (Router) as examples

Huawei Network Switch Configuration guide

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

Huawei Switch Configuration Tutorial Basic

Huawei Switch Configuration Tutorial: Today i will discuss how to configure a new huawei switch, so lets go our Huawei Switch Configuration Tutorial part

Huawei Switch Configuration Guide | PDF | Network Switch

The document provides detailed steps and examples for completing common switch configuration tasks.

Huawei Switch Configuration Step by Step: What''s the Real Game

© 2026 EXF OPTICAL NETWORKS - All rights reserved

For businesses navigating the complexities of modern networking, Huawei switch configuration step by step isn''t just a technical task—it''s a strategic move toward operational ...

HUAWEI S6700 SERIES CONFIGURATION MANUAL Pdf Download

Background See the S6700 Series Ethernet Switches Configuration Guide - Reliability. 1.5.4 Binding a Static Route to a BFD Session When binding a static route to a BFD session, ensure that the static

Link Aggregation, LAG, LACP and MLAG in 2026:

We offer: Access, distribution, core, and data center switches from: Cisco, Huawei, Ruijie, H3C, and NS Port mixes for: 1G/2.5G access 10G/25G uplinks 40G/100G

Huawei Router Basic Configuration Command | DOC

This document provides instructions for basic configuration of Huawei routers, including commands to display device information, configure interfaces and IP addresses, set the host name and password,

How to Configure Virtual Switches in Hyper-V (2025

Complete guide to Hyper-V virtual switches. Configure External, Internal & Private switches with step-by-step instructions.

HUAWEI eKitEngine S210I Series Extended-Temperature Switches

Product Overview Huawei eKitEngine S210I series extended-temperature switches (S210I for short) are Layer 2 switches that are independently developed and controllable. The switches provide flexible

Aggregation Switch: Increasing the Priority of Special Traffic

Aggregation Switch: Increasing the Priority of Special Traffic Networking Requirements Core switches set up a CSS that functions as the core of the entire campus network to implement high network

Huawei AC6605 WLAN Support Guide, Manuals & PDF – Huawei

AC6000 Series WLAN Access Controllers AC6605: Access product manuals, HedEx documents, product images and visio stencils.

Huawei switch configuration step by step

How to configure the Huawei Switch configuration Learn the configure Huawei switch from the Basic. Lets help to make 1000 subscribers □□

Achieving Line-Rate Forwarding: Buffer Allocation and QoS

© 2026 EXF OPTICAL NETWORKS - All rights reserved

This guide provides a deep technical dive for senior engineers and system integrators on configuring the Huawei AR series, ensuring it can handle the demands of modern Unified Communications (UC),

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://explosivefunctions.co.za
Technical inquiry: https://explosivefunctions.co.za/contact.html
EU project coordination: Parque das Nações, Lisbon, Portugal

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 EXF OPTICAL NETWORKS - All rights reserved