Configuration of H3CAC Side-Mounted Core Switch



Overview

This article provides a hands-on guide to 50+ essential H3C switch commands, revealing hidden shortcuts and best practices derived from real-world deployments in Fortune 500 ...

Key Takeaways

The H3CAC side-mounted core switch can be configured by setting management IPs, creating VLANs, configuring interfaces, enabling DHCP, and establishing routing to integrate with access points and egress routers.

Management IP and Login

Connect to the switch using a PC via console or management Ethernet interface. Assign a management VLAN (avoid using VLAN 1). For example, use VLAN 5 as the management VLAN.

Set the management IP on the VLAN interface or M-GigabitEthernet interface (e.g., M-GigabitEthernet 0/0/0) to allow device login.

Enable Telnet or SS

H for remote management access.

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

VLAN and Interface Configuration

Create VLA

Ns for different departments or network segments (e.g., VLAN 10 for Department A, VLAN 20 for Department B). Assign interfaces to the corresponding VLANs. For uplinks to access switches, configure aggregate links if multiple ports are used.

Configure VLA

N interfaces (VLANIF) for inter-VLAN routing and assign IP addresses to allow communication between VLANs.

DHCP Server Setup

Enable DHC

P on the core switch to assign IP addresses to clients.

Create DHC

P address pools for each VLAN or department (e.g., DHCP pool 1 for VLAN 10, DHCP pool 2 for VLAN 20).

Bind the DHC

P pools to the corresponding VLAN interfaces.

Routing Configuration

Configure a default route pointing to the egress router for Internet or external network access. Enable static or dynamic routing protocols (e.g., OSPF) if multiple core switches or routers are involved.

Specify VP

N instances if isolating public network routes from internal traffic is required.

Side-

Mounted Deployment with Wireless ControllersConnect the WX series AC wireless controller to the core switch.

Assign the LA

N port of the AC to the same subnet as the management VLAN of the core switch (e.g., 192. 168. 1.

0/24). Enable Layer 2 registration for APs by connecting them to the core switch and ensuring DHCP assignment from the core switch. Activate licenses on the AC controller via the H3C support portal to enable full functionality.

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Verification and Maintenance

Ping VLA

N interfaces to verify connectivity between departments. Check DHC P leases to ensure clients receive IP addresses correctly. Monitor routing tables and interface status to confirm proper network operation. Use CL I commands to display system status, VLANs, and interface configurations for troubleshooting. By following these steps, the H3CAC side-mounted core switch can be fully integrated into a campus network, providing VLAN segmentation, DHCP services, routing, and wireless controller support.

Article Content

H3C Switch Command Mastery: Streamlined Configuration

This article provides a hands-on guide to 50+ essential H3C switch commands, revealing hidden shortcuts and best practices derived from real-world deployments in Fortune 500 ...

H3C Devices CLI Reference

Configure settings that affect the device as a whole, such as the daylight saving time, banners, and hotkeys. Enter feature views.

H3C Campus Fixed-Port Switches Web-Based Configuration Guide

The H3C Campus Fixed-Port Switches Web-Based Configuration Guide describes the web functions of the H3C Campus Fixed-Port Switches, such as web overview, task fundamentals, and configuration

Native AC Solution: Core Switches Function as the Gateway for Wired

Configure CSS on core switches and stacking on aggregation switches, and configure MAD and uplink and downlink Eth-Trunk interfaces on the switches. For details, see Typical CSS and Stack

H3C S5830 Switch Series Configuration Examples

Configure GigabitEthernet 1/0/1 to implement MAC-based access control so each user is separately authenticated. When a user logs off, no other online users are affected. The

H3C S5850 Series Installation Manual

Download or view online the H3C S5850 Series Installation Manual, providing comprehensive instructions for setting up and configuring your network switch. Covers installation, power-on,

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

02-Downlink Layer 3 Switch Configuration Examples

Software version used This configuration example was created and verified on MSR830-10HI Release 6749P21. Configuration example Network configuration As shown in Figure 1, connect the router to a

Configuring the Core Switch

Configuring the Core Switch Context 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

Cisco core switches high availability

Hello everyone, In my campus network i have cisco 2960x as access switches and one cisco 3750 as core switch which handling intervlan. I want to add another 3750 l3 at the core layer to

Switch Stacking Basic Setup and Configuration Steps

Steps to Configure the Switches in the Stack Power up the switch which you want should be the master. Attach the stacking cable to the rest of the members. Power up the members one at a

H3C Switch Command Mastery: Streamlined Configuration

In today''s fast-paced network environments, H3C switches form the backbone of enterprise connectivity. While many administrators rely on GUI configurations, mastering CLI commands remains crucial for

Configuring Interconnection Interfaces and Routes for the Core Switch ...

In this example, Internet access traffic of users passes through the BRAS, and then reaches the egress network of the firewall through the core switch. Traffic passing through the BRAS is classified into

H3C S7500X Enterprise Core Switch Series

MDC virtualizes one S7500X switch into multiple logical switches, enabling multiple services to share one core switch. The 1:N virtualization maximizes switch utilization, reduces network TCO, and

Cisco L3 Core Switch IP Address | Cisco Switch basic Configuration ...

Cisco Switch basic Configuration | Cisco Switch Configuration Step by Step Please watch: "Use Pen Drive as RAM" • Use Pen Drive As A Ram in Hindi | How to u... -~- Hi guys, I am Sunil kumar ...

Core Switch 2/64 V4.1 Installation Guide

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Part Number: AA-RS2WC-TE This installation guide provides procedures for setting up, configuring, and managing the Core Switch 2/64 and Core Switch 2/64 power pak.

Native AC + NAC Solution: Core Switches Function as the

Networking Requirements Core switches set up a CSS that functions as the core of the entire campus network to implement high network reliability and forwarding of a large amount of data. In addition,

Introduction to Core Switch Configuration

A switch that functions as part of a router and operates at the third layer of the OSI network standard model, the network layer. The most important purpose of the layer 3 switch is to speed up the data

"Gateway + Core Switch + Access Switch + WAC + AP" Networking:

"Gateway + Core Switch + Access Switch + WAC + AP" Networking: S380 Local Entire Network Deployment Application Scenarios and Networking Requirements Device Model Selection

Contact Us

Continue your research online:

Website: https://fdsoluciones.es
Technical inquiry: https://fdsoluciones.es/project-enquiry.html

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

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved