

How to use the core switch of Huawei cabinet switchboard



AI Overview

Using a Huawei core switch involves proper physical installation in the cabinet, configuring VLANs and interfaces, setting up VPN instances, and establishing routing protocols like OSPF for network connectivity.

Physical Installation in the Cabinet

Prepare the Cabinet: Ensure the cabinet has proper AC (176–264V, 50/60 Hz) or -48V DC power supply and adequate ventilation for heat dissipation.

Install Guide Rails and Cable Trays: Move and secure cable trays and guide rails to the designated slots for the core switch and other devices.

Mount the Core Switch: Place the switch on the guide rails, push it until the mounting ears attach to the cabinet bars, and connect the power cables.

Arrange Devices: Install smaller devices at the bottom and use filler panels for spacing. Ensure proper alignment with other network devices like routers, servers, and firewalls.

Basic Configuration Steps

Access the Switch CLI: Connect via console or SSH and enter system view mode to start configuration.

Configure VLANs: Create VLANs for interconnection with other devices:
`CodeCopy`
`vlan 10`
`vlan 100`
Then create VLANIF interfaces and bind them to the VLANs.
`CodeCopy`
`interface Vlanif100`
`ip address 192.168.1.1 255.255.255.0`
`interface Vlanif100`
`ip address 192.168.1.1 255.255.255.0`
This ensures secure routing between the core switch, BRASs, and firewalls.

Set Up VPN Instances: Create a VPN instance to isolate public network routes from internal routes:
`CodeCopy`
`ip vpn-instance vpn1`
`interface Vlanif100`
`ip address 192.168.1.1 255.255.255.0`
`interface Vlanif100`
`ip address 192.168.1.1 255.255.255.0`
This ensures secure routing between the core switch, BRASs, and firewalls.

Configure Interfaces: Assign interfaces to VLANs and connect to BRASs, firewalls, or other switches:
`CodeCopy`
`interface GigabitEthernet1/0/0`
`port link-type access`
`port default vlan 10`
`interface GigabitEthernet1/0/0`
`port link-type access`
`port default vlan 10`

Set Up Routing Protocols: Configure OSPF or static routes to enable connectivity to the egress network:
`CodeCopy`
`ospf 1`
`area 0.0.0.0`
`ospf 1`
`area 0.0.0.0`

Article Content

Core Components & Function of an Electrical

Understanding the core components and functions of your switchboard empowers you to make informed decisions about your electrical

How to install a S16700 switch in different cabinets | Huawei ...

This video uses the S 16,700 Dash 8 as an example to describe the procedure and precautions for cabinet mounting a device, as well as the principles for selecting a cabinet.

Configuring the Core Switch to Be Managed by the Controller

To manage a core switch, you need to run commands on the core switch to connect it to iMaster NCE-Campus. Configure the VLAN and IP address for the core switch to connect to iMaster

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Configuring Devices to Be Managed by the Controller (in the Hybrid ...

Configure the core switches running V600 to be managed by iMaster NCE-Campus using commands. Configure the aggregation and access switches running V200 to be managed by iMaster

4.5 Installing Devices in the Cabinet. Huawei N610E 22

This user guide provides comprehensive information on the Huawei N610E 22 DC Core Cabinet, covering its hardware installation, maintenance procedures, and technical specifications.

SME Network Solution Typical Configuration Examples

"Gateway + Core Switch + Access Switch + AP + AR180" Networking: Huawei eKit Cloud Management "Gateway + Core Switch + Access Switch + WAC + AP" Networking: Local Entire Network

Huawei FR24611 V100R004C10 AC Core Cabinet User Guide

FR24611 V100R004C10 AC Core Cabinet User Guide provides instructions on installing and maintaining the FR24611 AC Core Cabinet for housing various interconnected components and protecting them

unsupervised_topic_modeling/topics/fr/11/50/50/topics

Contribute to annontopicmodel/unsupervised_topic_modeling development by creating an account on GitHub.

Configuring the Core Switch to Be Managed by the Controller

Configuring the Core Switch to Be Managed by the Controller Context After devices to be managed are added to the campus network site, iMaster NCE-Campus needs to establish a

Huawei Technical Support

This webpage provides cases for deploying networks using gateway, core switch, and access switch to enhance connectivity and efficiency.

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

zxcvbn-rs/src/frequency_lists.rs at master

Port of Dropbox's zxcvbn password strength library for Rust - shssoichiro/zxcvbn-rs

Installing the S16700 Series Switch in the Cabinet

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