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How to configure Huijue core switches



Overview

In this video, you will learn how to configure SNMP (Simple Network Management Protocol) on Huawei routers and switches.

Key Takeaways

Huijue core switches should be configured with proper VLANs, interface IPs, routing protocols, VPN instances, and monitoring tools to ensure efficient, secure, and reliable network operation.Core Configuration Steps

1. Interface and VLAN Configuration

• Assign IP addresses to interfaces connecting the core switch to BRAS devices, firewalls, and other network segments to ensure proper connectivity .

• Create interconnection VLANs for each segment and bind interfaces to these VLANs to isolate traffic and simplify management .

• Use VLANIF interfaces to associate VLANs with VPN instances if network segmentation is required . 2. Routing Protocols

• Configure OSPF or other dynamic routing protocols to enable efficient routing between the core switch and connected devices .

• Ensure that VPN instances are used to separate public network routes from internal or firewall return routes . 3. Redundancy and High Availability

• Implement 1+1 redundancy for fan modules and power supplies to maintain system reliability .

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• Consider deploying multiple core switches in a hierarchical or collapsed core architecture to prevent congestion and ensure high forwarding capacity . 4. Network Monitoring and Management

• Use Ruijie's RG-UNC or Ruijie Cloud platforms for real-time monitoring, centralized configuration backup, and rapid deployment .

• Regularly query switch status using commands to check interface activity, IP assignments, VLAN configurations, and running configurations . 5. Performance Optimization

• Ensure proper airflow and heat dissipation by following the switch's recommended installation orientation and fan configuration .

• Monitor cross-line card traffic and switch fabric performance to maintain low transmission loss and high service efficiency . 6. Security and Access Control

• Apply access control lists (ACLs) and port security measures to protect critical network segments.

• Use VPN instances to isolate sensitive traffic and prevent unauthorized access . Best Practices
• Document all configurations and maintain versioned backups.

• Test routing and VLAN configurations in a lab environment before deployment.

• Schedule regular firmware updates and monitor system logs for anomalies.

• Use network management platforms for automated alerts and proactive maintenance . By following these steps, Huijue core switches can provide high-performance, reliable, and secure backbone connectivity for enterprise networks.

Article Content

Exporting configuration from Huijue core switch

We would. This guide walks you through foolproof methods to safeguard your switch''s setup while exposing why skipping backups is

Configuration of Huijue Core Switch

9 Query Commands for Huawei Switches Configuring Core Switch Stacking Configuring the Core Switch Huawei S Series Quick

Huijue Core Switch Installation

See the switch software configuration guide for network configuration concepts and examples of using the switch to create dedicated

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Huijue Fiber Optic Switch Cascading Configuration

Basic Switch Configuration This appendix provides basic steps and commands to quickly configure a switch for fabric and possible

Configuring the Core Switches to Be Managed by the Controller

To manage a core switch on iMaster NCE-Campus using commands, you need to connect the core switch to iMaster NCE-Campus

Enable SNMP on Huijue Core Switch

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Master the Basic Command Configurations of Huawei,

As technology advances, networking switches have become an integral part of the IT

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If you''re looking to configure a switch for the first time, this post is for you. Learn step-by-step configuration commands

Huawei Switch Basic Configuration Step by Step

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Features and Applications of Core Switches

Core Switches also provide intelligent routing, QoS assurance, security, scalability, and manageability. A well

Configure the optical ports of Huijue switches

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Switch configuration on your own can seem like a daunting task. Use this handy guide to get your network switch up

Huawei Switch Configuration Guide

The document provides configuration instructions and commands for basic switch configuration using Huawei switches. It covers

Switch Access Setup Guide | General Practice and Common Mistakes

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This article focuses on the generic switch access setup guide and also explains the common mistakes people make

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Configuring a Huawei switch to assign an IP address to VLAN 1 and binding multiple ports to it can seem challenging, but this step

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Example for Configuring a Layer 3 Switch to Work with a Router for ...

Configure the switch as the DHCP server to assign IP addresses to users. Configure the NAT function on the router to enable

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

Choose Switch > Interface from the navigation pane on the left, select the Eth-Trunk interfaces connecting the core

how to configure cisco core switch HSRP active active

In this video we will learn how to configure cisco core switch active active using HSRP

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

IOPscience

We would like to show you a description here but the site won''t allow us.

Trunk port configuration (Cisco)

Technology: Switching Area: VLAN Vendor: Cisco Software: 12.X, 15.X, IP Base, IP Services, LAN Base, LAN Light Platform:

How to debug Huijue core switches

How to debug Huijue core switches Huawei Switch Discovery Tool: The Huawei Switch Discovery Tool is a free and open-source tool

How to connect a Huijue industrial switch

How to connect a Huijue industrial switch The industrial switch configuration manual is a detailed guide that instructs users on how to

CloudEngine 16800, 12800, 9800, 8800, 7800, 6800, and 5800 Series ...

Intended Audience This document is intended for network engineers responsible for CE series switches configuration and

Basic Cisco Switch Configuration Example in 10 Steps

Unlike other lower class switch vendors (which are plug-and-play), the Cisco switch needs some initial basic configuration in order to

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You can configure both HSRP and VRRP on a switch or switch stack. However, you cannot add a switch model that supports only

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All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal choice for

How to configure a Huijue optical port aggregation switch

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Optical Module Solutions for Huawei S5700/S5720 Series Switches This article summarizes several solutions for using optical

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

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