

Huijue Switch Access Layer Configuration



AI Overview

Configuring a Huijue access layer switch involves setting up VLANs, assigning ports, configuring IP addresses, and establishing a default gateway to manage end-device connectivity efficiently.

Initial Setup

Physical Installation: Mount the switch in a secure rack or location and connect the power supply. Ensure the switch powers on correctly and all status LEDs indicate normal operation.

Console or Remote Access: Connect a console cable to the switch or use SSH for remote access. This allows you to access the CLI for configuration.

Assign Management IP: Configure an IP address on the management VLAN to enable remote administration. For example, in

```
CLI:CodeCopyinterface Vlanif1ip address 192.168.1.2 255.255.255.0
```

This allows the switch to be managed from the network.

VLAN Configuration

Create VLANs: Determine the VLANs required for your network. For example:

```
CodeCopyvlan 10vlan 20vlan 100
```

Each VLAN isolates traffic for different departments or services.

Assign Ports to VLANs: Configure access ports for end devices and trunk ports for uplinks:

```
CodeCopyinterface GigabitEthernet1/0/1port link-type accessport default vlan 10interface GigabitEthernet1/0/24port link-type trunkport trunk permit vlan 10 20 100
```

Access ports connect to PCs or printers, while trunk ports connect to other switches or routers.

Default Gateway and Routing

Configure the default gateway to allow the switch to communicate outside its local subnet:

```
CodeCopyip route-static 0.0.0.0 0.0.0.0 192.168.1.1
```

This ensures devices connected to the switch can reach external networks.

Optional Features

Access Control Lists (ACLs): To control traffic and enhance security, configure ACLs to filter packets based on IP, protocol, or port:

```
CodeCopyacl number 3000rule permit ip source 192.168.1.0 0.0.0.255
```

Apply ACLs to interfaces as needed to restrict or prioritize traffic.

Quality of Service (QoS): Prioritize voice, video, or critical data by configuring QoS policies on access ports.

LLDP (Link Layer Discovery Protocol): Enable LLDP to allow the switch to advertise i...

Article Content

Huijue Fiber Optic Switch Settings

China Fiber Optic Equipment, Network Cabinet, offered by China manufacturer & supplier -Shanghai Huijue Network Communication Equipment Co., Ltd., page1
Manually configuring duplex and speed

Switch Access Setup Guide | General Practice and Common Mistakes

Finally, document the configuration for future reference and troubleshooting. Following these best practices will help ensure a stable and secure access switch setup. Conclusion: This

Two switches in the Huijue aggregation layer

Two switches in the Huijue aggregation layer This chapter covers the design recommendations for a data center design deployment consisting of a Cisco Nexus® 7000 Series Switch at the aggregation

Example for Using Layer 2 ACLs to Block Network Access of the Specified ...

The configuration roadmap is as follows: Configure a Layer 2 ACL and ACL-based traffic classifier to discard packets from MAC address 00e0-f201-0101 (preventing the user with this MAC address from

8 Steps to configure your network switch

Learn how to setup a network switch with ease. Switches allow you to send and receive information efficiently and securely. Get setup today!

Ruijie RG-NBS Series Web-Based Configuration Manual

View and Download Ruijie RG-NBS Series web-based configuration manual online. RG-NBS Series switch pdf manual download.

Example: Configuring Layer 3 Subinterfaces for a Distribution Switch ...

This configuration example shows a simple topology to illustrate how to connect a single Layer 2 access switch connected to multiple VLANs to a distribution switch, enabling traffic to pass

Deployment Differences Between Two-Layer and Three-Layer

To ensure device-level and link-level reliability on the network, it is recommended that CSS be configured at the core layer, stacking be configured at the aggregation and access layers, and core,

Example for Configuring the MUX VLAN on the Access Layer Device ...

To solve the problem, deploy the MUX VLAN on the switch connected to servers, and connect the principal port to the office network, separate port to servers that do not need to

Huijue Access Switch Tips

Follow these steps to get the best results: 1. Open the switch's box, then mount it in an appropriate spot. The particular stages may differ based on the switch model and manufacturer, but the following

Huijue All-Fiber Optic Switch Configuration

The optical switch consists of the all fiber optic switch device and corresponding driver packaged in a rack-mountable enclosure. The switching is done by an external TTL compatible low voltage signal.

S Series Campus Switches Quick Configuration (V200)

This document describes how to log in Huawei S series switches for the first time and fast configure the switches, and describes the procedures of configuring unconfigured switches in three

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

It is required that users access the Internet through the Layer 3 switch and router and that the Layer 3 switch function as the gateway of users. Figure 2-4 Configuring a Layer 3 switch to work with a router

Switching Feature Overview and Configuration Guide

Layer 2 switches appear transparent to higher layer protocols, transferring frames between the data link layers of the networks to which they are attached. A Layer 2 switch accesses each physical link

Example for Configuring Inter-VLAN Layer 3 Roaming

Example for Configuring Inter-VLAN Layer 3 Roaming Service Requirements
Enterprise users can access the network through WLANs, which is the basic requirement of mobile office.

Example for Configuring a Layer 2 Switch to Work with a Router for ...

Configure interface-based VLAN assignment on the switch for Layer 2 forwarding. Configure the router as the gateway of users to implement Layer 3 forwarding across network segments through sub

Configuring Access Layer Security (Access Switch)

Choose Network Configuration > Site Configuration > Site Configuration from the main menu. On the Site Configuration tab page, choose Switch > Interface from the navigation pane.

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

Layer 3 Switch Layer 3 switches provide the routing function, which indicates a network-layer function in the OSI model. Layer 3 switches can work at Layer 2 and Layer 3 and be deployed at the access

Example for Configuring a Layer 2 Switch to Work with a Firewall for ...

Example for Configuring a Layer 2 Switch to Work with a Firewall for Internet Access Layer 2 Switch Layer 2 switches perform only Layer 2 forwarding instead of Layer 3 forwarding. That

Layer 2 Switching

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - Ethernet Switching This document describes the configuration of Ethernet services, including configuring link aggregation,

Example for Switching an Interface to Layer 3 Mode

Example for Switching an Interface to Layer 3 Mode Networking Requirements As shown in Figure 3-15, PC1, PC2, PC3, and PC4 are on four network segments, and SwitchB, SwitchC,

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