

Locating IP Access Ports on Huawei Switches



AI Overview

IP access ports on Huawei switches can be located and managed using CLI commands to check interface status, assign VLANs, and configure security settings.

Accessing and Identifying Ports

To locate a port on a Huawei switch, first connect via SSH or console cable and log in with your credentials. Use the following commands to identify and inspect ports:

- `display interface brief` – Shows all interfaces with their Up/Down status, helping you quickly locate active or inactive ports.
- `display interface GigabitEthernet0/0/1` – Provides detailed information about a specific port, including negotiation mode, duplex, and errors.
- `display current-configuration interface` – Displays the current configuration of a port, including VLAN assignment and access mode.

Configuring Access Ports

An access port carries traffic for a single VLAN without tagging. To configure an access port:

- Enter system view: `system-view`
- Select the interface: `interface GigabitEthernet0/0/1` (replace with your port ID)
- Assign VLAN and access mode: `port link-type accessport default vlan 10`
- Activate the port: `undo shutdown`
- Save configuration: `save`

Security and Monitoring

To secure IP access ports and prevent unauthorized access:

- Enable port security: `port-security enable`
- Bind MAC addresses: `port-security mac-address sticky`
- Apply rate limiting to prevent traffic floods: `qos lr outbound cir 100000`

Use ACLs to restrict traffic to trusted IP ranges: `acl 3000`

Troubleshooting Port Issues

If a port is physically down or not forwarding traffic:

- Check for hardware issues: faulty cards, cables, or optical modules.
- Verify software configuration: negotiation mode, rate, and duplex settings.
- Observe LED indicators on the switch to quickly identify port status.
- Use `display mac-address` to confirm connected devices and `display ip routing-table` to verify routing for IP access.

By combining these commands and procedures, network administrators...

Article Content

S600-E Series Switches Typical Configuration Examples

The configuration roadmap is as follows: Configure interface-based assignment on the access switch to implement Layer 2 interworking. Configure access switches as gateways of PCs to implement

Access port config (Huawei)

How to set access port config on Huawei switch? An access port belongs to and carries the traffic of only one VLAN within 2-layer switch. Traffic is both ...

Step-by-Step Guide to Configure VLAN and Bind Ports on a Huawei Switch

Configuring a Huawei switch to assign an IP address to VLAN 1 and binding multiple ports to it can seem challenging, but this step-by-step guide simplifies the process. Follow along to set up

Huawei Enterprise Support Community

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Basic CLI Commands on Huawei Switch

This text is a guide detailing Basic Command Line Interface (CLI) Commands on Huawei brand switches. It provides step-by-step instructions for users to perform fundamental network configuration

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Review switch configurations: Check for static ARP entries and potential security vulnerabilities in the switch firmware. Audit network segmentation: Ensure proper segmentation

Master the Basic Command Configurations of Huawei,

As technology advances, networking switches have become an integral part of the IT infrastructure. They play a crucial role in directing

Configuring access, trunk, and hybrid ports on Huawei switches and ...

In the data transmission of the network layer, the concept of an IP address is added to the data link layer. An IP address refers to an Internet Protocol address, also known as an Internet

STaaS Solution 8.3.0 SFS Configuration Guide (Huawei Cloud Stack ...

The IP address of the OceanStor Pacific object storage server has been added to the SSO server whitelist. For details, see Configuring the ManageOne Maintenance Portal. Procedure Use PuTTY to

9 Query Commands for Huawei Switches

With its excellent performance and rich functions, Huawei switches have become one of the preferred devices for many enterprise networks. This article will introduce in detail the nine query

What are the common check commands for Huawei switches?

In the daily maintenance of Huawei switches, we need to use various inspection commands. Today, let's take a look at the commonly used inspection commands related to port and

Management Interfaces and Management IP Addresses of S Series

This document describes the management interfaces supported by switches and how to configure management IP addresses for switches.

Configuring Aggregation and Access Switches to Be Managed by the ...

In this way, when configuring aggregation and access switches to be managed by the controller, you can configure the core switch as the management subnet gateway of the aggregation and access

Configuring ports on Huawei switches

I will give an example of setting up ports on Huawei switches. For the test, I will execute commands on the Huawei Quidway S2326TP-EI. After we connect to the switch, go to the

VLAN creation, Trunk and Access ports on Huawei Switches

mynetworktraining - In this video, I will show you how you can configure Access and Trunk ports as well as creating VLANs on Huawei switches#huaw...

HUAWEI SWITCH BASIC CONFIGURATIONS WITH EXAMPLE(5

Access port config: An access port belongs to and carries the traffic of only one VLAN within 2-layer switch. Traffic is both received and sent in native formats with no VLAN tagging

How Do I Check the Interface or Port Status?

Checking Service Interface Indicators to Determine the Interface Status Observe service interface indicators to quickly identify the service interface status. The following uses the S6730-H48X6C as

How to Configure an Access Port for Data VLAN on Huawei Switch

□□ Welcome to our Huawei Networking Tutorial Series! In this video tutorial, you'll learn how to configure an access port for Data VLANs on Huawei network devices. Whether you're preparing for a ...

How do I configure port mapping rules on my HUAWEI router

When you use the Internet to access a specific port on the WAN IP address (for example, in order to access a webcam on a home network), the router will check the port value against the port mapping

VLAN Routing with Layer 2 Switch and Router on Huawei

VLAN Routing with Huawei Layer 2 Switches. Here we will focus How to Configure VLAN Routing on Huawei devices with a configuration example.

How to Enable Ports in Huawei Switch? Could Open Ports Unlock

Balancing Functionality and Security in Port Management Mastering Huawei switch port configuration isn't just about technical commands—it's about adopting a security-first mindset.

Troubleshooting S Series Switch Port and Interface Problems

This document describes how to check the switch interface or port status and how to locate an interface physically down fault and restore the interface to the up state.

Configuring Access Port and Trunk Port on Huawei Switch

In this tutorial, we will guide you through the process of configuring access and trunk ports on Huawei Switches.

How Do I View IP Addresses of Servers Directly Connected to a Switch ...

Learn how to view IP addresses of servers and server interfaces connected to a Huawei switch for efficient network management.

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Huawei Switch Discovery Tool: The Huawei Switch Discovery Tool is a free and open-source tool that can be used to discover Huawei network switches on a network.

Management Interfaces and Management IP Addresses of S Series Switches ...

Overview To manage a switch, you need to use its management interface and management IP address. This document describes the management interfaces supported by switches and how to configure

How to Enable Ports in Huawei Switch? Could Open Ports Unlock

This guide dives into the step-by-step process of port configuration on Huawei switches, while addressing the often-overlooked question: Does opening ports inadvertently create backdoors

Configuring a Management IP Address

A management IP address can be configured on an Ethernet management port or a service interface. You can directly configure an IP address for an Ethernet management port. Management IP address

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