

Huawei AP Access Switch Interface Settings



Article Overview

Configure access switch ports with proper PVID, management VLAN, and service VLAN to ensure APs communicate correctly with the AC and forward user traffic efficiently.

Key Concepts

Management VLAN: Transmits control and management packets from APs to the Access Controller (AC) through CAPWAP tunnels. By default, AP management packets are untagged, and the access switch adds VLAN tags. The PVID of the switch port connected to an AP should match the management VLAN ID to avoid misrouting management traffic .

Service VLAN: Carries user data traffic from end devices connected to the AP. Service VLANs can be forwarded through the AC (tunnel mode) or directly to the network (direct forwarding mode) depending on the deployment .

PVID (Port VLAN ID): Determines the default VLAN tag for untagged packets entering a switch port. For APs, the PVID should match the management VLAN to ensure proper CAPWAP communication .

Switch Port Configuration

- **Access Mode (Single VLAN):** Use for APs that only need a management VLAN.
`system-view
interface GigabitEthernet0/0/1
port link-type access
port default vlan 20
quit`
20 = management VLAN
- **Trunk Mode (Multiple VLANs):** Use if APs carry multiple SSIDs mapped to different VLANs....

Article Content

Oct 06, 2025

Configuring the Working Mode and VLAN for an AP's Wired Interface ...

The configuration of the AP's wired interface takes effect after the AP is restarted. If an AP's uplink wired interface has been

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Basic CLI Commands on Huawei Switch

The text covers tasks such as creating a user, VLAN configuration, port settings, enabling SSH and Telnet

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Huawei AC / FAT AP | Social WiFi Academy

Now, switch to Social WiFi Panel, go to Access Points tab, click the Add button and paste the MAC addresses of all of your Access

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Configuring Access Port and Trunk Port on Huawei Switch

We will explain the difference between access and trunk ports, and show you how to

Aug 15, 2025

01-06 AP MANAGEMENT CONFIGURATION GUIDE

You are advised to use Huawei APs to connect to the AC. You can run the display ap-type all command to check the default AP

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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

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Example for Configuring Interface-based VLAN Assignment (Access

Configure interface-based assignment on the access switch to implement Layer 2 interworking. Configure access switches as

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Typical Login Configuration

Find typical login configuration steps and technical support for Huawei products to enhance your user experience.

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Overview of Interfaces

Overview of Interfaces Interfaces of a device are used to exchange data and interact with other network devices.

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Displaying Interface Status

Wireless Access Controller (AC and Fit AP) V200R019C00 CLI-based Configuration Guide

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Wireless Access Controller (AC and Fit AP) V200R010C00 CLI-based ...

Learn how to configure the Mesh function for Huawei devices, enabling seamless wireless communication and connectivity in various

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AP Config

Edit an AP information template on your local host and import AP information to the AC from the template. Fill in the template with AP

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

This guide provides steps to configure a Layer 2 switch with a router for seamless internet access.

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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

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Huawei Wireless Access Controller Configuration Guide (ENSP)

Huawei Wireless Access Controller Configuration Guide (ENSP) Packets transmitted on a WLAN include management

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HUAWEI SWITCH BASIC CONFIGURATIONS WITH EXAMPLE(5

Trunk port config: A trunk interface often connects to a switch, router, AP, or voice terminal that can receive and send

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Huawei Wireless Access Controller Configuration Guide (ENSP)

We can change the default credentials as done below. Now we can successfully login AC with web access. Same

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Basic Configuration for Interfaces

Basic Configuration for Interfaces This chapter describes interface types, interface numbering rules, and configuration parameters

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Government HQ Campus Network Solution Deployment and

Interface and Command Usage Declaration The documentation describes the commands used for network deployment and

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AP Config

The digit next to AP customized settings is the AP ID. See Profile (S5720HI) for descriptions of the configuration profiles and Table 5

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Huawei Enterprise Support Community

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01-10 AP MANAGEMENT CONFIGURATION GUIDE

If the name or static IP address of an AP is specified in the AP provisioning view, the configuration is delivered only to the AP by

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Managing an AP's Wired Interface

Wireless Access Controller (AC and Fit AP) V200R010C00 CLI-based Configuration Guide About This Document WLAN Service

Jan 22, 2026

WLAN Access controller (AC6508) Huawei & AP Configuration

Today I will explain WLAN Enterprise Networks like Access points (AP), Access controllers (AC), Switches, and

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Changing and configuring the access point name (APN) for the ...

The access scope and access mode vary according to the access point. Therefore, the network side needs to allocate the IP address

Contact Us

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