

Configuring VLANs on Huijue Access Switch 3500



Overview

Chapter 14 Configuring VLANs This chapter describes how to configure VLANs on HP routing switches using the CLI and the Web management interface. VLAN Conf.

Key Takeaways

VLANs on the Huijue 3500 can be configured by creating VLANs, assigning ports, and optionally setting primary and management VLANs to segment network traffic and improve security.

Step 1: Access the Switch Management Interface

- Connect to the switch via web GUI or CLI using the default IP or console connection.
- Log in with administrative credentials.

Step 2: Create VLANs

- Navigate to the VLAN configuration section (often under Interface > VLANs).
- Click Add VLAN and configure the following parameters:
- VLAN ID: Unique identifier for the VLAN.
- VLAN Name: Descriptive name for easier management.
- IP Assignment: Choose Static or DHCP for the VLAN interface. If static, provide IP address and subnet mask.



- Primary VLAN: Assign at least one tagged or untagged port to make it the primary VLAN.
- Management VLAN: Optionally assign a VLAN for switch management traffic.
- Voice VLAN: Enable if the VLAN will carry VoIP traffic.

Step 3: Assign Ports to VLANs

- Select the ports to be members of the VLAN.
- Choose the port mode:
 - Access: Port belongs to a single VLAN.
 - Trunk: Port carries multiple VLANs (IEEE 802.1Q tagging).
- For trunk ports, specify which VLANs are allowed on the trunk.

Step 4: Configure Trunk Groups (Optional)

- If using multiple switches or uplinks, assign VLANs to trunk groups to allow VLAN traffic to pass between switches.
- Ensure VLAN IDs match across connected switches to maintain connectivity.

Step 5: Save and Verify Configuration

- Click Save Settings in the GUI or use CLI commands to write the configuration to running-config and startup-config.
- Verify VLANs and port assignments using commands like show vlan or show running-config.

Step 6: Additional Considerations

- VLAN 1 is typically the default primary VLAN and cannot be deleted.
- Ensure no VLAN is tagged to ports before attempting deletion.
- Configure DHCP relay or helper addresses if the VLAN requires DHCP services.
- For large networks, consider Spanning Tree Protocol (STP) to prevent loops and maintain network stability.

By following these steps, you can effectively segment your network, improve security, and manage traffic on the Huijue Access Switch 3500, similar to standard managed switch practices used in Aruba or Cisco devices .

Article Content

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VLAN Configuration on Huawei Switch | Access, Trunk & Hybrid Ports ...

This tutorial covers everything from VLAN creation to interface assignment and

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

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In this Huawei VLAN Configuration lesson, you will learn how to configure Virtual LANs

VLAN Configuration Guide

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Huawei Switch Configuration Guide | PDF | Hypertext Transfer

The document provides configuration steps for a network switch including setting the console parameters, creating VLANs,

Mastering VLAN Configuration on HPE Switches

In this guide, we cover best practices for HPE switch VLAN configuration, explain differences across HPE operating systems, provide

Configuring VLANs

If a switch has 8 trunk ports (200 active VLANs on each trunk) and 40 access ports, the number of STP virtual ports on this switch

MX Layer 2 Functionality

MX Layer 2 Configuration Options MX LAN ports can be configured under Security & SD-WAN > Configure >

Configuring Ethernet Management Port

Example for Configuring IP Address on Ethernet Management Interface This example shows how to configure IP address on the

Cisco Nexus 3000 Series NX-OS Layer 2 Switching Configuration

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Solved: VLANing using 3500xl switches

- configure the fibre interface to the second existing switch as an access port in VLAN 200 - for devices at the new

4.5.4 Module Quiz – Inter-VLAN Routing (Answers)

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Cisco IE3500 Series Switch Software Configuration Guide, Cisco IOS

The VLAN corresponds to the VLAN tag associated with data frames on an ISL or IEEE 802.1Q encapsulated trunk or

Using the Command-Line Interface

The 2900 XL switches and 3500 XL switches are supported by Cisco IOS software. These switches currently support Cisco IOS

Management & Configuration Guide for the ProCurve 3500yl,

Management and Configuration Guide—Use this guide for information on topics such as: various interfaces available on the switch

VLAN Configuration on a Cisco Switch

Learn how to configure VLANs on a Cisco switch using the command-line interface (CLI). This guide provides a step

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Configure Layer 3 VLAN interfaces (switch value interfaces) only for primary VLANs.
Private VLAN configured with MACsec or Virtual

Configuration Examples for VLANs

This page provides configuration examples for VLANs, helping users understand and implement VLAN configurations effectively.

Configuring VLANs

Configuring VLANs This chapter describes how to configure normal-range VLANs (VLAN IDs 1 to 1005) and extended-range VLANs

VLAN Configuration on the Cisco Business 250/350 Series Switches

Only users that belong to a VLAN are able to access and manipulate data traffic in the VLAN. This is also needed in scenarios where

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This chapter describes how to configure VLAN Mapping on the Cisco Catalyst Switches.

HP 3500 SERIES SWITCH ADVANCED TRAFFIC MANAGEMENT

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Learn how to create VLANs, assign access ports, and verify your VLAN configuration on Cisco Catalyst 9000 series

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Yet, many admins fall into the trap of treating VLANs as checkbox tasks, using default settings that leave networks

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Typical VLAN Configuration

S300, S500, S2700, S3700, S5700, S6700, S7700, and S9700 Series Switches Typical Configuration Examples (V200) This

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Configure initial security Configuring a management interface and gateway
Configuring VLANs and access ports

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