

Configuring VLANs on H3C Core Switches



AI Overview

VLANs on an H3C switch are configured by creating VLANs, assigning ports to VLANs, and optionally configuring VLAN interfaces for Layer 3 communication.

Step 1: Enter System View Connect to your H3C switch via SSH, Telnet, or console. Enter system view to start configuration:
`CodeCopy system-view`

Step 2: Create VLANs Create the VLANs you need. For example, to create VLAN 10 and VLAN 20:
`CodeCopy vlan 10[H3C-vlan10] quit vlan 20[H3C-vlan20] quit` You can also assign names or descriptions to VLANs:
`CodeCopy vlan 10 name Sales vlan 20 name Engineering`

Step 3: Assign Ports to VLANs

Access Ports To assign a port to a VLAN as an access port:
`CodeCopy interface GigabitEthernet 1/0/1[H3C-GigabitEthernet1/0/1] port link-type access[H3C-GigabitEthernet1/0/1] port default vlan 10`

Trunk Ports To allow multiple VLANs on a trunk port:
`CodeCopy interface GigabitEthernet 1/0/2[H3C-GigabitEthernet1/0/2] port link-type trunk[H3C-GigabitEthernet1/0/2] port trunk permit vlan 10 20`

Hybrid Ports Hybrid ports can carry both tagged and untagged VLANs:
`CodeCopy interface GigabitEthernet 1/0/3[H3C-GigabitEthernet1/0/3] port link-type hybrid[H3C-GigabitEthernet1/0/3] port hybrid vlan 10 untagged[H3C-GigabitEthernet1/0/3] port hybrid vlan 20 tagged`

Step 4: Configure VLAN Interfaces (Optional for Layer 3) To enable inter-VLAN routing, create a VLAN interface and assign an IP address:
`CodeCopy interface Vlan-interface 10[H3C-Vlan-interface10] ip address 192.168.10.1 255.255.255.0[H3C-Vlan-interface10] quit interface Vlan-interface 20[H3C-Vlan-interface20] ip address 192.168.20.1 255.255.255.0` These interfaces act as gateways for devices in each VLAN.

Step 5: Save Configuration After completing VLAN and port assignments, save the configuration to prevent loss after reboot:
`CodeCopy save`

Step 6: Optional MAC-Based VLANs H3C switches support MAC-based VLANs, which assign VLANs based on device MAC addresses. This is useful for user-based VLANs:
`Create MAC-to-VLAN entries.Enable MAC-based VLAN on the port...`

Article Content

H3C Switch Configuration Guide: From Basics to Advanced Applications

2.1 Creating VLANs & Port Allocation VLAN (Virtual Local Area Network) technology represents core functionality modern switching networks offering capability partitioning physical

H3C Switch Command Mastery: Streamlined

Screenshot of H3C switch command line interface with highlighted configuration commands Core Technical Breakdown: Effective H3C command mastery

H3C Switch Basic Configuration | VLAN | DHCP Server

In this video, I have explained the basic configurations of an H3C switch, including: Setting the hostname Creating VLANs Assigning IP addresses to VLAN inte...

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This makes H3C switches suitable for complex core, distribution, and data center deployments where dynamic routing is essential. Q4: How do I configure a static route on my H3C Layer 3 switch? To

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Monitoring inter-VLAN traffic patterns for anomalies requires tools often outside the switch's basic VLAN configuration guide. So, does the neat H3C switch VLAN ...

How to Master H3C Device Switch Commands: A

Link Aggregation Configuration Create an aggregation port Add Ethernet ports to aggregation group View link aggregation status information

Basic CLI Commands on H3C Switch

Learn how to create users, VLANs, enable Telnet and SSH, configure Spanning Tree Protocol, enable DHCP snooping, define trunk ports, and create access

H3C network switch Configuration guide

This guide provides information on configuring VLAN-VPN, selective QinQ, and BPDU tunnel features on your H3C network switch. You can use these features to create virtual LANs (VLANs) and

Setting Up H3C Switch VLAN Configuration? Will Documentation

Creating VLAN 10 on one H3C S6800 core switch is easy. Ensuring identical VLAN configuration parameters (same Vlan-id, consistent name, identical Spanning Tree settings, matching QoS

How to configure VLANs on "HPE & H3C" Switches by use HCL

In this video i configured multiple VLANs on a switch and a trunk link between them by using HCL Cloud Lab

How to Master H3C Device Switch Commands: A Comprehensive Guide

Ready to optimize your network management? Explore our comprehensive guide to H3C device switch commands. Upgrade your skills and browse Router Switch for top-notch products now.

Operation Manual

02-VLAN_Configuration.pdf - Free download as PDF File (.pdf), Text File (.txt) or read online for free.

H3C Switch Configuration | VLAN Configuration and Assign IP

Hello Friends, In this video I will show you H3C Switch Configuration | How to configure Vlan in H3C Switch, How to Create VLAN in H3C Switch, How to Assign IP Address to VLAN...

Contact Us

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