

Article Overview

To enter VLAN configuration mode on a Cisco core switch, use the interface vlan command in global configuration mode.

Step-by-Step Guide

o Access the Switch CLI

o Connect to the core switch via console, SSH, or Telnet.

o Enter privileged EXEC mode:

enable

o Enter global configuration mode:

configure terminal

o Enter VLAN Interface Mode

o To configure a specific VLAN, use:

interface vlan Replace with the VLAN number you want to configure (valid range: 1-2349 and 2450-4093) .

o This command allows you to configure parameters for that VLAN, such as assigning an IP address for Layer 3 VLANs or enabling routing.

o Create a VLAN (if it does not exist)

o If the VLAN is not already created, first create it:

vlan name This ensures the VLAN exists before entering interface mode .

o Assign Ports to the VLAN

o After entering VLAN interface mode, assign access ports:

interface switchport mode accessswitchport access vlan

o For trunk ports carrying multiple VLANs:

interface switchport mode trunkswitchport trunk allowed vlan

o Verify VLAN Configuration

o Use the following commands to check VLAN status:

show vlan briefshow running-configshow interfaces trunk

o These commands confirm that the VLAN exists, ports are assigned correctly, and trunk links are passing the VLAN .

Best Practices

o Always create VLANs before assigning ports.

o Use meaningful VLAN names for easier management.

How to enter the VLAN of the core switch

- o Verify trunk links to ensure VLANs propagate across switches.
- o Avoid native VLAN mismatches on trunk ports to prevent broadcast issues . By following these steps, you can successfully enter and configure VLANs on a core Cisco switch, ensuring proper segmentation and network management.

Note: In this example, VLAN 20 is chosen. Step 15. (Optional) Enter the VLAN ID in the Customer Multicast VLANs

Configuring VLANs (Virtual Local Area Networks) on Cisco switches is a fundamental skill for network administrators.

Solved: Hi Experts! I will deploy a distribution switch (4507R).what is the Preferred way to let this switch learn about

VLAN configuration is one of the most important steps in Cisco switch setup, but it is only one part of the overall

Example, if the new switch is a 48 port switch, you may need to configure 24 ports for vlan 30 (laptops) and 24 for vlan

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

Article ID:5653 Configure Port to VLAN Interface Settings on a Switch through the CLI Introduction A Virtual Local

SG350X (config-if)#no switchport vlan-mapping one-to-one [vlan-id] Step 6. Enter the end command to go back to the

Use the following procedure: Open the CLI using the console or management IP for your S-series switch. Log in to the

This article aims to show how to create, edit, or delete a VLAN on a switch.

Configuring VLANs (Virtual Local Area Networks) on a switch involves dividing a physical network into multiple logical

Introduction VLAN stands for Virtual Local Area Network.In one physical cisco switch; you can create multiple VLANs

How to enter the VLAN of the core switch

Today, we will learn how to configure VLAN on Cisco Catalyst switches. We will start with simple one switch network to multi-switch

Want to set up VLANs on your Cisco switch? In this video, I'll walk you through the

Configuring VLAN on Cisco Switch is a fundamental networking task that enhances performance, security, and

Learn how to configure VLAN and inter-VLAN routing on Cisco switches using CLI. Step-by-step VLAN setup, trunking, router-on-a

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