

How to configure VLANs on an access switch



Article Overview

To configure VLANs on an access switch, create the VLANs, assign ports to them, configure trunk links if needed, and verify connectivity.

Step 1: Plan VLANs

Before configuring, determine the VLAN IDs and names, which ports will be access ports, and which ports will be trunk links. Decide if the switch will only perform Layer 2 switching or also provide Layer 3 gateway functions through SVIs. Ensure you know whether a management VLAN is required for remote access via SSH or Telnet .

Step 2: Create VLANs

Enter global configuration mode on the switch and create VLANs using the `vlan` command. Assign a meaningful name to each VLAN for easier management. For example, to create VLAN 10 and VLAN 20:

```
Switch> enable
Switch# configure terminal
Switch(config)# vlan 10
Switch(config-vlan)# name Sales
Switch(config-vlan)# exit
Switch(config)# vlan 20
Switch(config-vlan)# name Marketing
Switch(config-vlan)# exit
```

This creates the VLANs and allows you to configure additional options if needed .

Step 3: Assign Access Ports to VLANs...

Article Content

Wireless VLANs

Note When you configure VLANs on access points, the native VLAN must be VLAN 1. In a single architecture, client

How to Configure VLAN on Cisco Switch: Step-by-Step ...

Learn how to configure VLAN on Cisco switch step-by-step. Covers VLAN creation, port assignment, trunk configuration, best

VLAN Configuration on Cisco IOS Switch

VLAN Configuration on Cisco IOS Switch In this lesson, I will show you how to configure VLANs on Cisco Catalyst Switches and how

Assign an Interface VLAN as an Access or Trunk Port on a Cisco

This article aims to show you how to configure an interface VLAN on your switch to be an access, or trunk port

Switch Port VLAN Assignment (Trunk & Access Ports)

Switch Port VLAN Assignment (Trunk & Access Ports) Configuring VLANs (Virtual Local Area Networks) on switch ports is essential

Cisco Nexus 5000 Series NX-OS Software Configuration Guide

Ethernet interfaces can be configured either as access ports or trunk ports. Trunks carry the traffic of multiple VLANs

Configuring VLAN

Information About Configuring VLAN A Virtual Local Area Network (VLAN) is a switched network that is logically segmented by

How To Configure VLANs On the Catalyst Switches

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

Configure VLANs on a Cisco Switch | ComputingForGeeks

This guide shows how to configure VLANs on a Cisco switch: creating them, putting access ports into them, adding a

Configuring VLANs on Cisco Switches

Master configuring VLANs on Cisco switches. Learn to configure Access and Trunk ports, and Native VLANs and Allowed VLAN

VLAN Configuration on a Cisco Switch

This guide provides a step-by-step walkthrough, covering VLAN ranges, creation, and port assignment. Improve

How to set up a VLAN: Step-by-Step Tutorial & FAQs

Follow this step-by-step tutorial to create a VLAN and then configure it to allow data packets from another VLAN to

How to Create and Configure VLANs on a Cisco Switch with Example

This post will deal with creating Layer 2 VLANs on Cisco switches and performing all relevant configurations. Up to 4094 VLANs can

How To Set VLAN Configuration On Cisco Networking Switch

Learn how to configure VLANs on a Cisco networking switch using the Command Line Interface (CLI). This step-by

Configuring VLANs

This article describes how to configure VLANs (Virtual Local Area Networks) on a Cisco switch and view the resulting output.

VLAN Configuration: Step-by-Step Tutorial | NSC

To create a VLAN, you usually need access to your switch's configuration interface. This setup is often done through

How to Set Up a VLAN in 12 Steps: Creation & Configuration

Whether you're an expert or just starting out, this article will help you master the art of VLAN setup. Learn the basics

Configuring VLAN

A Virtual Local Area Network (VLAN) is a switched network that is logically segmented by function, project team, or application,

Configuring Access and Trunk Interfaces

Configuring Access and Trunk Interfaces Ethernet interfaces can be configured either as access ports or trunk ports.

Step-by-Step VLAN Configuration Guide | PDF | Network Switch

This document provides a step-by-step guide to configure VLANs in Cisco switches using examples. It begins by explaining how to

Configure basic VLANs on a switch and assign ports to them.

Switch (config-if)# exit Repeat this process for all the ports and VLANs you want to configure. switchport mode access

Configuring and Verifying VLANs on Cisco Switches: A Practical ...

You'll see how to build access VLANs, set up trunks safely, choose a routing method, and confirm behavior with

How to Configure VLAN on Cisco Switch in Cisco Packet Tracer

How to Create and Configure VLANs on Cisco Switch with Packet Tracer In a physical network environment, you can

How to Configure VLAN on a Cisco Switch: Step-by-Step Guide

If your goal is to configure VLANs correctly on a Cisco switch, focus on the full workflow rather than just one command.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://sdesign.net.pl>

Email: sales@sdesign.net.pl

Phone: +48 694 237 815

Address: ul. Marszałkowska 10, 00-001 Warsaw, Poland

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