

# Core Switch VLANs



## Overview

This guide provides a step-by-step walkthrough on how to configure VLAN on Cisco switch, covering VLAN creation, assigning ports to VLAN Cisco switches, configuring trunk ports, best practices, and VLAN troubleshooting Cisco switch methods. Should the VLANs be created and configured on the core switch, or directly on the Peplink 3?

Which approach is considered best practice, and why?

Thanks in advance for your advice! Either is fine, but whatever you choose, that needs to be the one and only place you manage them from or add new ones. Insufficient information to say whether it matters or not. For example, if your core is L2, than likely you'll need your new voice VLAN there too. 10-03-2022 10:08 AM I agree with Joseph that we do not understand your. In the intricate world of networking, data packets traverse a complex landscape, moving between servers, client devices, and various network segments. At the heart of this activity lies the core switch, a critical component responsible for facilitating high-speed data transmission and maintaining. Virtual Local Area Networks (VLANs) are essential for network segmentation, security, performance, and scalability. Up to 4094 VLANs can be configured on Cisco catalyst switches. By default, only VLAN 1 is configured on the switch, so if you connect hosts on an out-of-the-box switch they all belong to. In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core switch, so as to implement connectivity between the user network to egress network through the core switch.

## Article Content

where would a logical vlan be configured on the Core switch, or

Configuring local Vlan I have learned to configure the vlan interfaces on the core switch- and then configure the access switch with the desired vlan and assign the switch port to that vlan! If I

How to Create and Configure VLANs on a Cisco Switch

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

Do I have to configure new VLANs on the core switch?

I am about to configure new voice VLANs for our new phone rollout. Before I configure them, I wanted to make sure WHERE I need to configure them. Do I have to configure new VLANs

sarowarhosen01/Complete-Multi-LAN-IPv6-Network-with-RIP ...

Core Router (s) interconnected via point-to-point IPv6 links. Multiple Access Switches with VLAN-configured ports. Trunk links carrying multiple VLANs. RIPng enabled on all routers for automatic

Making VLAN with core switch

If not using AD then any of the switches you mention have DHCP server capability. Add a DHCP scope, VLAN and SVI config to any switch (preferably the core switch) and add the VLAN to

Core Switch vs. Distribution Switch vs. Access Switch

Comprehensive guide to Core, Distribution, and Access Switches. Roles in the network and important parameters explained.

UniFi Aggregation Switch Deployment Guide

UniFi aggregation switch deployment guide for Texas -- 10GbE MDF core switching for multi-IDF commercial campus networks by 2M Technology.

Core Switch & VLANNING

Hi folks - don't flame me too bad but some questions rolling around I have to ask on how you do this in the real world. I know how to create vlan etc. But my question is this I have a 4507 Core

Routing Between VLANs & Layer 3 Switches

We wrote an article which covers Virtual Local Area Networks (VLANs) as a concept, and another article on configuring VLANs on Cisco switches. The

Best place to configure VLANs: Core Switch vs Peplink 3?

Best practice is to create VLANs on the core switch. It depends on what the VLAN is for. What is in it, what connects to it (and from where), and how secure it needs to be. Based on that, you

Moving VLANs from Core Switch to Firewall : r/networking

We have a school network currently running on a Cisco ASA 5516-X connected to a 9200L acting as a core switch, with VLAN information being sent from the core switch to the access switches via VTP.

Describe physical infrastructure connections of WLAN components

All physical interfaces in the group share the same VLANs and IP addressing. LAG improves throughput between the WLC and the switch. If one physical cable fails, the others continue to handle the traffic.

serenalindquist99/server-core-switch-lab

This lab simulates a real-world enterprise network upgrade involving the replacement and configuration of core switches, port migration, ACL deployment, and rollback planning.

Configuring a new core switch with VLANs

I have a core switch that I've purchased second hand, it's foundry switch. I have created 4 VLANs (VLAN1 to VLAN4). I have created a VLAN interface for each VLAN and assigned it an IP in

7 Best Enterprise Core Switches for 2026 That Power

Stay ahead in network infrastructure with the top enterprise core switches for 2026 that promise unmatched performance and future-proofing.

OEM Factory 48 Port Core Switch L3 Managed 1.47Tbps 1104Mpps

LACP, QoS, SNMP, Stackable, VLAN Support products status Stock communication mode Full-Duplex & Half-Duplex private mold Yes switch capacity 20Gbps place of origin Beijing, China Product Name

Layer 2 vs. Layer 3 Switch: A Complete Guide for 2026 | Domotz

Can a Layer 3 switch replace a router? For internal LAN routing between VLANs and subnets, a Layer 3 switch can and often should replace a router. However, for WAN connectivity, internet access, NAT,

Core switch replacement

What "core switch" are you replacing? To what end? Is this a home install, or a business? Business - I have explained I'm not an expert but they

## Configuring the Core Switch

Configure interfaces for interconnecting the core switch with firewalls. # Create interconnection VLANs on the core switch and add interfaces to the interconnection VLANs.

## UniFi Enterprise Switch Deployment Guide

UniFi Enterprise switch deployment guide for Texas -- 48-port 600W PoE, Layer 3, 4x10G SFP+ uplinks, VLAN and QoS for commercial IDF deployments.

## Reliable 48 Port Core Switch Layer 3 Managed 1.47Tbps OSPF BGP

20Gbps place of origin Beijing, China Product Name 48 Port Core Switch VLAN 4K Forwarding Rate 552/1104 Mpps Switching Capacity 736Gbps/1.47Tbps Energy saving IEEE 802.3az green Efficient

## What Is a Core Switch in Networking?

Unlike access switches, which connect directly to end-user devices, the core switch focuses on aggregating and routing traffic between other

Homelab-Core/configs/lab-switch-config.txt at main

Follow along on my Homelab journey! Contribute to agridyne/Homelab-Core development by creating an account on GitHub.

## Trunking/routing vlans from core switch puzzle

We have two 6509 switches as our core network. These two switches are a hsrp pair, one upstairs, one downstairs. VTP configured as well,

## 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 practices, and troubleshooting tips for IT professionals, SMBs, and enterprises.

## What Is a Core Switch in Networking?

What Is a Core Switch in Networking? Understanding the Backbone of Your Network A core switch in networking serves as the high-capacity

## Best 10Gb Switch for SMB in 2025: Unlock Next-Gen Network

Upgrading to 10 Gigabit Ethernet (10GbE) switches is a critical step to overcome bottlenecks and future-proof SMB networks. This guide is designed for network engineers, IT

## Contact Us

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

Website: <https://www.truhope.co.za>

Email: [sales@truhope.co.za](mailto:sales@truhope.co.za)

Phone: +27 64 987 3021

Address: 22 Loop Street, Cape Town, 8001, South Africa

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