

# How to enable VLAN communication between two core switches



## Overview

This option is called router on a stick (ROAS) and allows all VLANs to communicate through a single interface. Use a Layer3 switch, a device that performs both the switching and routing operations. Download the guide and refer back to it at any time! Cisco recommends to. This document describes how to configure Inter-VLAN routing with Cisco Catalyst series switches. Cisco recommends that you have knowledge of these topics: The information in this document is based on these software and hardware versions: The information in this document was created from the devices. Inter-VLAN routing is a network configuration technique that allows communication between devices on different VLANs (Virtual Local Area Networks) within the same network. VLANs are commonly used to segment a network, improving performance and security by isolating traffic within each VLAN. Because the use case is so common, network administrators need to understand inter-VLAN routing. Segmentation: VLANs limit broadcast domains, reducing unnecessary traffic.

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Learn what a Router Sub-interface and a L3 Switch is, as well as how to configure both of them on Cisco devices to enable Routing between VLANs.



Learn inter-VLAN routing with step-by-step Cisco configs for router-on-a-stick and Layer 3 SVIs. Includes HSRP redundancy, DHCP relay, ACLs, and troubleshooting commands.



As the single broadcast domain is divided into multiple broadcast domains, Routers or layer 3 switches are used for intercommunication between the different VLANs. The process of ...



Understanding VLANs and inter-VLAN routing is crucial for designing an efficient and secure network infrastructure. This step-by-step guide clarifies these concepts, their practical applications, and ...



Trying to establish inter-VLAN communication? Check out our guide to routing between VLANs here! Real problems, hands on examples for each step along the way!



Configuring inter-VLAN routing typically involves setting up VLAN ...



In order to establish inter-VLAN communication (i.e routing between hosts belonging to different VLANs) you need to have a Layer 3 routing engine in the network. This L3 engine is provided by the Nexus ...



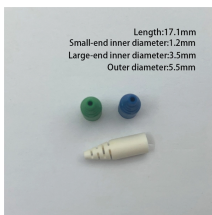
Learn why inter-VLAN routing is required, understand the different models used for implementing it, and follow examples to configure it.



This document describes how to configure Inter VLAN routing with Cisco Catalyst series switches.



Configuring inter-VLAN routing typically involves setting up VLAN interfaces, assigning IP addresses to each VLAN, and enabling routing on the network device.



In this lesson you will learn about the different options there are for routing between VLANs: Router on a stick, SVI interface or L3 interfaces.

## Contact Us

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