

Configuration of Dual-Network Access Switch



Article Overview

To enable dual network access, configure VLANs on the switch and assign ports as either access or trunk, ensuring proper IP addressing and routing for each network.

Step 1: Plan Your Network Layout

Before configuring the switch, identify the two networks you want to access. Determine:

- IP ranges for each network
- Devices that need access to one or both networks
- Switch ports that will connect to each network or device
- Default gateways for routing traffic between networks if needed

Step 2: Configure VLANs

VLANs allow a single switch to segment traffic for multiple networks:

- Access the switch management interface.
- Create two VLANs, one for each network (e.g., VLAN 10 and VLAN 20).
- Assign ports to the appropriate VLAN:
 - Access ports: For devices that only need one network.
 - Trunk ports: For uplinks or devices that need access to both VLANs . Example:
 - Port 1: VLAN 10 (Network A)...

Article Content

How to Configure a Cisco Switch (step by step)

If you're looking to configure a switch for the first time, this post is for you. Learn step-by-step configuration commands

Switch Access Setup Guide | General Practice and Common Mistakes

Conclusion: This concludes our take to explain a generic switch access setup guide. It's vital to keep in mind that the

Core Switch vs. Distribution Switch vs. Access Switch

Core Switch vs. Distribution Switch vs. Access Switch: Understand Their Roles in Ethernet Networks Ethernet networks are growing

8 Steps to configure your network switch

Follow these simple best practices to set up a new network switch. Still fuzzy? Just like riding a bicycle, nobody's born knowing how

Dual-WAN load balancing configuration on routers

Learn how to configure Dual-WAN and load balancing on enterprise routers for more bandwidth, automatic failover,

Switch Stacking Basic Setup and Configuration Steps

Learning Curve: Network administrators may need additional training to effectively manage and troubleshoot stacked

Connect 2 switches together through Access port or Trunk

Hi Everyone, We need to connect 2 switches together and have 2 options for them:-
1. Use

Two-tier and three-tier switch architectures

Setup guide Configuration options LANCOM XS-6128QF A three-tier model of network design is a proven and well-known basic

Network Switches

Cisco network switches deliver performance, flexibility, and security. Cisco switches are scalable and cost-efficient and meet the

Understanding Access Switches: Key Components of Your Network Switch ...

Explore the role of access switches in your LAN setup. Understand their key components, functions in the access layer,

Best Way to Connect Multiple Switches

How to connect multiple switches in a network with clear steps and tips for effective setup and configuration.

Dual Network Access (DNA) with SCALANCE XF204-2BA

The first DNA port of the Y-switch is connected to the network ③, the second DNA port to the network ④. The Y-switch ensures that

Connect 2 switches together through Access port or Trunk

Configuring and operating an access port is more simple than a trunk port. So I would suggest that the Best Practice

VLAN Configuration Commands Step by Step Explained

This tutorial explains VLAN configuration commands. Learn how to configure, test, and

Connectivity Design | Validated Solution Guide

HPE Aruba Networking Fabric Composer provides visibility and orchestration of the configuration between the server

How to Configure a Network Switch | ServerMania

The reason why it's important to know how to configure a switch is because switches

How to Configure Your PC to a Local Area Network: Full

Properly configure the IP of the printer, and connect it to your switch or router -- preferably a

Basic Switch Configuration Guide with Examples

This tutorial explains basic switch configuration commands in detail with examples.

Core Switch vs. Distribution Switch vs. Access Switch

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

2 separate networks connected to one switch?

In my organization, we have 2 networks. A network for staff and another network for public Wi-Fi. I will have to use a

How to Connect Multiple Ethernet Switches

This article will explore three common connection methods: switch cascading, switch stacking, and switch clustering,

Configuring NE Management (Dual Border Nodes, Access Switches

This document describes the deployment roadmap and guide for the VXLAN networking scenario of high-quality 10 Gbps office

Example for Establishing a Stack of Two Switches (Configuring

Networking Requirements An enterprise network needs to provide sufficient ports for access devices, and the network

LAN Topologies

In Layer 2 access designs, use uplink ports on different VSF stack members, one into each MC-LAG-configured

Access vs. Distribution vs. Core Switch Comparison Guide

Compare Access, Distribution, and Core switches: understand their roles, features, and differences in enterprise network hierarchy.

How to Set Up & Switch Between Network Connections with Multiple

Manually keying in network settings can be pretty annoying, particularly when you need to do it every day. Here is a

How to Configure Dual Homing in Enterprise Networks | NSC

Before diving into the configurations, let's first understand what dual homing is and why it's beneficial for your

Access multiple networks via one managed switch

You cannot use tagged VLANs across an unmanaged switch (properly). You need to use a managed one, with

Switch Ports

Meraki's MS switches allow for the configuration of a single port to thousands of ports through our industry-first Virtual

Contact Us

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