Switch Dual-Line Access Configuration



Overview

How to Configure Access Mode Interfaces on Your S-Series Switch This video will demonstrate the Configure procedure of Access Mode Interfaces for S-Series.

Key Takeaways

Dual-line access on a Cisco switch can be configured by setting multiple interfaces as access ports, assigning them to the same VLAN, and optionally using interface ranges to apply settings simultaneously. Step 1: Connect to the SwitchUse a console cable and a terminal program like PuTTY to connect to the switch. Select the Serial connection type, enter the COM port, set the speed (typically 115200 for 300/500 Series), 8 data bits, 1 stop bit, no parity, and no flow control, then open the session to access the CLI.

Step 2: Enter Configuration ModeFrom the CLI, enter privileged EXEC mode:enableconfigure terminal Step 3: Configure Access PortsTo configure multiple ports for dual-line access, assign them as access ports and place them in the desired VLAN. For example, to configure GigabitEthernet 1/0/3 and 1/0/4:interface range GigabitEthernet1/0/3 - 4switchport mode accessswitchport access vlan 10 This ensures both ports carry traffic for VLAN 10. You can also separate non-contiguous ports with commas:interface range GigabitEthernet1/0/3, GigabitEthernet1/0/5switchport mode accessswitchport access vlan 10 Step 4: Verify ConfigurationCheck the port status and VLAN assignment:show running-configshow vlan brief Ensure the interfaces are in access mode and assigned to the correct VLAN.

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Step 5: Save ConfigurationTo make the configuration persistent across reboots:write memory orcopy running-config startup-config Optional: Redundancy or Load SharingIf dual-line access is intended for redundancy or load sharing, consider using EtherChannel to bundle multiple access ports into a single logical link. This provides higher throughput and failover capabilities.

Notes

Access ports carry traffic for a single VLAN only; any tagged traffic from other VLANs will be dropped. Using the interface range command saves time when configuring multiple ports simultaneously. Avoid dynamic trunking modes for security and predictability; explicitly set ports to access mode for end devices.

By following these steps, you can configure dual-line access on a Cisco switch efficiently, ensuring both ports are active, assigned to the correct VLAN, and ready for end devices or redundancy setups.

Article Content

How to Configure Access Mode Interfaces on Your S-Series Switch

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VLAN Configuration Commands Step by Step Explained

Configuring VLANs on switches Configure two VLANs: VLAN-10 and VLAN-20. Use VLAN-10 for the network 10.0.0.0/8 and VLAN-20 for the network

Connect 2 switches together through Access port or Trunk

Configuring and operating an access port is more simple that a trunk port. So I would suggest that the Best Practice recommendation would be for the connection between these switches

Interface and Hardware Configuration Guide, Cisco IOS Release 15.2

Configure switch ports by using the switchport interface configuration commands. An access port belongs to and carries the traffic of only one VLAN (unless it is configured as a voice

How to Configure a Cisco Switch in 10 Steps

Whether you''re configuring a single switch for a small office or managing a more complex network with multiple switches, you''ll learn how to use the Cisco Command Line Interface (CLI) to

What is Switchport Mode Access? How to Configure Switchport Mode

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Switchport mode access is designed for specific use cases to have more control on switch port behaviour and use. In today''s topic we will learn about switch port mode access and how its

How to Connect Multiple Ethernet Switches

Cascade vs Stack vs Cluster: Learn how to connect multiple Ethernet switches, compare the key differences, and choose the best setup to boost your network performance.

Configuring Multiple Cisco Switch Ports at the Same Time

If you have the same configuration that needs to be placed on multiple ports, then doing each one individually can be time consuming. To save time use the '' interface range '' command.

Line topology configuration with R1 devices and switches

You can use switches to extend the line topology with lower-level R1 devices by two PROFINET rings. In the configuration variant, one PROFINET ring is connected to each switch.

Guide to Basic Switch Configuration | Auvik

Switch configuration on your own can seem like a daunting task. Use this handy guide to get your network switch up and running with ease.

How to Configure a Cisco Switch in 10 Steps

Configuring a Cisco switch is a fundamental task for network administrators, as it lays the groundwork for efficient and secure network communication. Cisco switches are used in both small

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 access port on both sides 2. Use trunk port on both

Basic Switch Configuration Guide with Examples

Basic Switch Configuration Guide with Examples A Cisco switch is different from a regular plug-and-play switch. It comes with an IOS. An IOS is a Cisco proprietary operating system.

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How to Set Up VLANs on a Switch That Is Configured with Multiple

Conclusion Configuring multiple VLANs on a switch is a fundamental skill for network administrators and a critical topic for networking certification exams. From creating VLANs and

Step-by-Step Cisco Switch Setup Guide | PDF | Network Switch

The document provides steps for basic Cisco switch configuration including: 1. Connecting to the switch console and entering privileged mode. 2. Setting the hostname, enable secret password, and

Configuring LAG Settings on a Switch through the Command Line ...

This document explains how to configure LAG on a switch through the Command Line Interface (CLI). If you are unfamiliar with terms in this document, check out Cisco Business: Glossary

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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