

Where to configure the switch access ports

Article Overview

To configure an access port on a switch, set the port to access mode and assign it to a specific VLAN, allowing it to carry traffic for only that VLAN.

Step-by-Step Configuration

o

Connect to the Switch Use a console cable, SSH, or Telnet to access the switch CLI. Enter privileged EXEC mode by typing enable and providing the password if required .

o

Enter Global Configuration Mode Type configure terminal to enter configuration mode where you can modify interface settings .

o

Select the Interface Identify the port you want to configure (e.g., FastEthernet 0/1 or GigabitEthernet 1/0/1) and enter interface configuration mode:

```
interface Fa0/1
```

or

```
interface Gi1/0/1" [^1^] [^2^].
```

o

Set the Port to Access Mode Configure the port to operate as an access port, which ensures it will carry traffic for only one VLAN:

```
switchport mode access" [^3^] [^2^].
```

o

Assign the VLAN Specify the VLAN that the access port should belong to:

```
switchport access vlan 10
```

Replace 10 with the VLAN ID you want the port to use .

o

Enable the Port If the port is administratively down, bring it up using:

```
no shutdown" [^1^].
```

o

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Save the Configuration Make the changes permanent by copying the running configuration to startup configuration:

```
copy running-config startup-config" [^1^].
```

Verification

o

Check the port status and VLAN assignment:

```
show running-configshow interfaces switchport
```

These commands display the current mode (access or trunk) and the VLAN assigned to the port .

o

Test connectivity by connecting an end device to the port and pinging another device in the same VLAN .

Key Points

- o Access ports carry traffic for a single VLAN and are typically used for end devices like PCs, printers, or IP phones .
- o Trunk ports carry multiple VLANs and are used for switch-to-switch or switch-to-router connections .
- o A port cannot be configured as both access and trunk simultaneously; the last command executed takes effect .
- o By default, all switch ports are in VLAN 1 unless reassigned .

Following these steps ensures that your switch ports are correctly configured to connect end devices to the appropriate VLAN, maintaining proper network segmentation and traffic flow.

Access ports receive un-tagged frames without any VLAN information from hosts. What is "switchport mode trunk" This is the

This article describes how to configure access and trunk ports on a Cisco switch. How to verify the commands is also shown in the

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

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

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commands

How to Configure Basic Port Settings The following sections provide configuration information for basic port settings.

Activating a Port To activate or enable a port on your Cisco Switch, connect to your

In this Cisco Tech Talk, we provide a beginner-friendly guide on how to configure access and trunk ports on Cisco

In this tutorial, you'll learn how to configure Cisco switch ports in both trunk and access mode, allowing you to optimize network

We need to configure the Switch interfaces for end-user devices. In this process, we need to set specific ports as

In this video tutorial, I will show you what access and trunk ports are. And how to configure the Cisco switch port. The switch port is

In this section we'll walk through configuring a number of common port types. Tips Access Port Access Port w/ Voice VLAN Trunk

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

The process of configuring a Cisco switch involves several key steps, including setting up basic switch parameters,

Switch ports can be set either in trunk or access mode to have more control on switch port behaviour. Using switchport

How to configure all other ports as access ports? I want to assign all other port in a switch as an access port what should be the

A switchport can be configured logically as an access port for a single VLAN, a trunk port utilizing 802.1Q

Web: <https://www.millstraining.co.za>

