

Steps to configure the core switch



AI Overview

Configuring a core switch involves connecting via console, setting hostnames, securing access, configuring VLANs, assigning management IPs, and saving the configuration for network deployment.

Step 1: Connect to the Switch Use a console cable to connect your computer to the switch. Launch a terminal emulator like PuTTY and select a serial connection at 9600 baud. Verify that the switch powers on and all indicator lights are functioning properly.

Step 2: Enter Privileged EXEC Mode At the prompt, type `enable` to enter Privileged EXEC mode (Switch#). This mode allows you to execute configuration commands.

Step 3: Set a Hostname Assign a unique hostname to the switch to identify it in the network:

```
CodeCopySwitch(config)# hostname CoreSwitch1
```

This helps in managing multiple switches and maintaining a professional naming convention.

Step 4: Configure Passwords Set a strong enable secret password for privileged access:

```
CodeCopyCoreSwitch1(config)# enable secret YourStrongPassword
```

Also, configure passwords for console and Telnet/SSH access to secure administrative access:

```
CodeCopyCoreSwitch1(config)# line console 0CoreSwitch1(config-line)# password ConsolePassCoreSwitch1(config-line)# loginCoreSwitch1(config-line)# exitCoreSwitch1(config)# line vty 0 4CoreSwitch1(config-line)# password TelnetPassCoreSwitch1(config-line)# loginCoreSwitch1(config-line)# exit
```

For enhanced security, consider using AAA authentication and SSH instead of Telnet.

Step 5: Configure VLANs Create VLANs to segment network traffic:

```
CodeCopyCoreSwitch1(config)# vlan 10CoreSwitch1(config-vlan)# name SalesCoreSwitch1(config-vlan)# exitCoreSwitch1(config)# vlan 20CoreSwitch1(config-vlan)# name ITCoreSwitch1(config-vlan)# exit
```

Assign interfaces to VLANs:

```
CodeCopyCoreSwitch1(config)# interface gig0/1CoreSwitch1(config-if)# switchport mode accessCoreSwitch1(config-if)# switchport access vlan 10CoreSwitch1(config-if)# exit
```

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Configure Microsoft Entra hybrid join

On the Device options page, select Configure Microsoft Entra hybrid join, and then select Next. On the SCP page, complete the following steps, and

Basic Switch Configuration in Cisco

The switch is a network device that is used to segment the networks into different subnetworks called subnets or LAN segments. It is responsible for filtering and forwarding the

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About customizing Copilot cloud agent's development environment While working on a task, Copilot has access to its own ephemeral development environment,

Basic Cisco Switch Configuration Example in 10 Steps

Unlike other lower class switch vendors (which are plug-and-play), the Cisco switch needs some initial basic configuration in order to enable management, security and some other important features.

Core Switch Configuration Guide

This document outlines the configuration steps for a core switch in a server room, including connecting via serial cable, assigning hostnames, creating user

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Configuring Cores

Core files can be saved either manually by a user or automatically at the time of the fault. If a core file is created, preserve it by copying it to nonvolatile file space (such as to a host) and report it to Cisco for

8 Steps to configure your network switch

8 Steps to configure your network switch Follow these simple best practices to set up a new network switch.

How to Add Layer 2 Switch in GNS3 | A Step-by-Step

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Contact Us

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