

IP Configuration of Core Switch Ports



Article Overview

To configure IP addresses on core switch ports, you typically assign the IP to a VLAN interface or convert a port to Layer 3, then set the IP and subnet mask via CLI.

Step 1: Access the Switch

Connect to the switch using one of the following methods:

- Console cable with a terminal emulator (PuTTY, Tera Term)
- SSH if the switch already has an IP configured
- Web interface (optional for some managed switches)

Step 2: Enter Global Configuration Mode

From privileged EXEC mode:

```
Switch> enableSwitch# configure terminal
```

Step 3: Configure a VLAN Interface (Management IP)

Most switches use a VLAN interface for IP configuration:

```
Switch(config)# interface vlan 1Switch(config-if)# ip address 192.168.1.10
255.255.255.0Switch(config-if)# no shutdownSwitch(config-if)# exit
```

- Replace 192.168.1.10 and 255.255.255.0 with your desired IP and subnet mask
- VLAN 1 is default, but you can use another VLAN if preferred...

Article Content

Nov 01, 2025

routing at the distributionCore switch

Think of it as a point to point link only using SVIs not L3 routed ports. Your static routes on core 2 would point to the

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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

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How to Configure a Network Switch | ServerMania

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

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Solved: Configure dhcp on core switch

I have a cat 3850 as core switch. And 1 cat3850 and 1 cat 9300 as access switches. Any client that gets plugged into an

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Creating a Base Configuration for a Cisco IOS Switch: A Step-by-Step

Learn how to set up a base configuration for network switches. Secure, optimize, and enable remote access with our step-by-step

Apr 19, 2026

Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the

Oct 20, 2025

Cisco CLI Switch Command Cheat Sheet for 2025

Here's the Cisco CLI Switch Command cheat sheet you need for configuring and managing Cisco switches The Cisco

Mar 09, 2026

VLAN Configuration Commands Step by Step Explained

The vlan command in global configuration mode creates a new VLAN and updates an existing VLAN. The switchport

Nov 25, 2025

Configuring the Core Switch

In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need

Nov 10, 2025

How to configure Cisco switch in 11 steps?

By configuring your Cisco switch, you can effectively manage its functionality, ensuring versatility, power, and optimal performance.

Jul 10, 2026

Mastering Switch Port Configuration: Avoiding Common Pitfalls in ...

Introduction: Why Switch Port Configuration Matters In modern enterprise networks, switches form the backbone of

Aug 02, 2025

How to Configure a Cisco Switch in 10 Steps

Save Your System Configuration Settings Step 10. Configure NetFlow to Manage Your Cisco Switch (Optional)

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SME Network Solution Typical Configuration Examples

"Gateway + Core Switch + Access Switch + AP + AR180" Networking: Huawei eKit Cloud Management "Gateway + Core Switch +

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How to Configure a Cisco Switch (step by step)

Let's configure two access ports, G0/0 on VLAN 10 and G0/1 on VLAN 20, on the CORE switch. Remember these

Jan 04, 2026

Core Switch Default Gateway

Is your core switch doing layer 3 routing for all of the vlans? If so, then you can pick whatever you want. It can be your

Dec 14, 2025

8 Steps to configure your network switch

Learn how to setup a network switch with ease. Switches allow you to send and receive information efficiently and securely. Get

Jul 26, 2026

Configure IP Address for Interface in Cisco Switches

To configure an IP Address on a switch interface, first, we must change the interface from a layer 2 interface to a layer

Apr 05, 2026

How to configure routed ports or uplinks?

How do you configure redundant routed ports or uplinks from Distribution Layer to your Core Layer? like in the attached

Feb 21, 2026

How can I config Port-channel from ASA to Core Switch and assign IP ...

I've got 2 ASA and 2 Core Switch stacked. How can I config Port-channel from ASA to Core Switch and assign IP to

Mar 18, 2026

Cisco CLI Switch Command Cheat Sheet for 2025

You can manually or dynamically (via the Dynamic Trunking Protocol) configure a port as an access or trunk port. A

Mar 07, 2026

Configure IP Address Settings on a Switch using the CLI

This article provides instructions on how to configure the IP address settings on the Sx350, SG350X, Sx500, Sx500X

May 05, 2026

Core Switch Configuration Guide | PDF | Ip Address | Network Switch

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

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Using ports on core switch to split ISP connections?

So what damage could someone on the outside possibly do to the core switch in this case? I would really appreciate

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ECS5520 Series CLI Reference Guide

After configuring the switch's IP parameters, you can access the onboard configuration program from anywhere within

Apr 20, 2026

Configure ethernet switch ports

Configure VLANs A VLAN is a switched network that is logically segmented by function, project team, or application, without regard

May 29, 2026

Creating a Base Configuration for a Cisco IOS Switch: A Step-by-Step

By following these steps, you can ensure that your switch is properly configured with a hostname, passwords for security, IP

Jul 13, 2026

Cisco Switch Port Guide: Types, Speeds & CLI Config

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

Contact Us

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