

Configure a static IP address for the core switch

Article Overview

Assigning a static IP to a core switch ensures stable network management and prevents IP conflicts during DHCP changes.

Step 1: Access the Switch CLI

Connect to your switch using a console cable or via SSH/Telnet if remote access is enabled. Use a terminal emulator like PuTTY to open the connection. Log in with your credentials; the default username and password for many Cisco switches is cisco/cisco .

Step 2: Enter Global Configuration Mode

From the Privileged EXEC mode, enter global configuration mode:

```
CodeCopyenableconfigure terminal
```

This allows you to make changes to the switch configuration .

Step 3: Select the Interface

For a core switch, you typically assign the IP to a VLAN interface (commonly VLAN 1):

```
CodeCopyinterface vlan 1
```

If your switch is a Multilayer Switch, ensure the interface is configured as Layer 3 before assigning an IP .

Step 4: Assign the Static IP Address

Use the following command to assign the IP and subnet mask:

```
CodeCopyip address
```

Optionally, you can also set the default gateway:

```
CodeCopyip default-gateway
```

For example:

```
CodeCopyip address 192.168.1.10 255.255.255.0ip default-gateway 192.168.1.1
```

After entering the commands, exit the interface configuration mode:

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CodeCopyexit

Step 5: Save the Configuration

To ensure the static IP persists after a reboot, save the configuration:

CodeCopywrite memory

or

CodeCopycopy running-config startup-config

Step 6: Verify the Configuration

Check the IP assignment and connectivity:

CodeCopyshow running-configing

This confirms the switch is reachable and the static IP is correctly applied .

Optional: Using Dashboard or Local Web Interface

For switches like Cisco Meraki, you can also assign a static IP via the Dashboard:

- o Navigate to Switch > Monitor > Switches.
- o Select the switch and click the pencil icon next to LAN IP.
- o Enter the desired static IP, subnet mask, and default gateway.
- o Save the configuration .

Tips

- o Always ensure the static IP is outside the DHCP pool to avoid conflicts.
- o For stacked switches, configure static IPs to prevent address changes during failover .
- o Document the IP assignments for network management and troubleshooting. By following these steps, your core switch will have a stable static IP, ensuring reliable network management and connectivity.

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

By default, when you setup a switch, it will try to attain connectivity via DHCP. You can also configure a static IP address through

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Configuring Static IP Routing Note When configuring routing parameters on the switch and to allocate system

This article provides instructions on how to configure the IP address settings of your switch through the Command Line Interface

I have noticed that when the APs restart the IP address is changing on them. I want to give the fixed Ip to these APS.

Configure the IP Address Mode as Static. Then enter the new IP address 192.168.0.100 and the subnet mask

You can configure the SAN96B-5 with a static IP address, or you can use a Dynamic Host Configuration Protocol (DHCP) server to

Setting one up is straightforward once you know which address to use, what gateway and DNS settings to enter, and

To set a static IP address in Windows 10 or 11, open Settings -> Network & Internet and click Properties for your active

This article describes how to configure an IP address on a Cisco switch in order to connect over the network for management.

This chapter describes how to configure static routing on the switch. This chapter includes the following sections: o

Whether the configuration deployment of a switch is completed all at once or done in phases, the basic switch settings must first be

All switch ports are part of access VLAN 1 by default. Static IP address and IP DHCP configuration can co-exist on VLAN 1, however

Important: You cannot configure a static route through a directly-connected IP subnet where the device gets its IP

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

You can set a static IP address on Windows 10 using Command Prompt, PowerShell, Control Panel, and even the

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