

Configure the management IP for the core switch



AI Overview

To configure a management IP on a core switch, assign an IP address to a management VLAN interface, enable it, and set a default gateway for remote access.

Step-by-Step Configuration

1. Connect to the Switch
Use a console cable to connect your computer to the switch's console port. Open a terminal emulator (e.g., PuTTY, HyperTerminal) and log in with your credentials (default is often cisco/cisco).
2. Enter Global Configuration Mode
From the privileged EXEC mode, type: `CodeCopyenableconfigure terminal` This allows you to make configuration changes.
3. Configure the Management VLAN
Enter the VLAN interface context (commonly VLAN 1): `CodeCopyinterface vlan 1` Assign the management IP address and subnet mask: `CodeCopyip address` Enable the interface: `CodeCopyno shutdown` This ensures the VLAN interface is active and can communicate on the network.
4. Set the Default Gateway
Exit the VLAN configuration mode: `CodeCopyexit` Configure the default gateway to allow remote access across networks: `CodeCopyip default-gateway` This step is essential for management from different subnets.
5. Optional: Configure DNS
If needed, set a DNS server for name resolution: `CodeCopyip name-server` This is useful for switches that use hostnames in management tools.
6. Enable Secure Remote Access (SSH)
Configure VTY lines for SSH access: `CodeCopyline vty 0 15transport input sshlogin local` Ensure local user accounts are created and passwords are encrypted: `CodeCopyusername admin privilege 15 secret service password-encryption` This secures remote management.
7. Save the Configuration
To make the changes persistent across reboots: `CodeCopycopy running-config startup-config` This ensures the management IP and gateway remain configured.
8. Verify the Configuration
Check the VLAN interface and IP assignment: `CodeCopyshow ip int...`

Article Content

Initial Switch Configuration

Whether the configuration deployment of a switch is completed all at once or done in phases, the basic switch settings must first be configured. The initial management configuration includes setting IP

How to Assign IP to Management VLAN in Cisco Core Switch.

How to assign IP Address to Management interface in Cisco Core and Access Switch for management purpose!!! #cisco #informationtechnology #ipaddress

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. Discover the essential CLI switch commands and the 11 configuration

Setting the Management IP Address

To enable management of the switch over an IPv4 network by using a web browser, SNMP, Telnet, or SSH, you must first configure it with an IP address, subnet mask, and default gateway.

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VMware Cloud Foundation (VCF) - The simplest path to hybrid cloud that delivers consistent, secure and agile cloud infrastructure. Read more.

Management Interfaces and Management IP Addresses of S Series

This document describes the management interfaces supported by switches and how to configure management IP addresses for switches.

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To manage a switch, you need to use its management interface and management IP address. This document describes the management interfaces supported by switches and how to

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Accessing the Switch

Make sure that the route between the host PC and the switch's new IP address is available. Figure 2-8 Specify the IP Address 3) Enter the new IP address in the

Configure Network Settings on Windows with

Configure Network Settings on Windows with PowerShell: IP Address, DNS, Default Gateway, Static Routes In Windows, you can manage the

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How to configure management IP on a Cisco switch

Configure a management IP on a Cisco switch It's an essential task for any network administrator. Configuring the management IP address on a

Guide to Basic Switch Configuration | Auvik

The management IP address is where you can log in to the switch for future administrative tasks. Once your management IP is set up, you can use it

How to configure management IP on a Cisco switch

In this tutorial, you'll learn how to configure the management IP address on a Cisco switch. This is a fundamental process for accessing the switch's web configuration interface and

How to Configure a Cisco Switch (step by step)

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

Configure IP Address Settings on a Switch using the CLI

This article provides instructions on how to configure the IP address settings of your switch through the Command Line Interface (CLI). If you are unfamiliar with terms in this document, check out Cisco

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How to Configure a Switch IP Address

To configure an IP address on a network switch, follow these general steps. Exact commands and menus may vary by vendor and model, so refer to the switch manual or vendor

Cisco Switch Management IP Configuration (Step-by-Step)

In this video, I show how to configure a management IP address on a Cisco switch step by step. The management IP allows you to manage the switch remotely — instead of always using the...

Configure an IP address on a switch

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

Configuring a Management IP Address on Catalyst

This document describes how to configure a management IP address on Catalyst 4500/4000, 5500/5000, and 6500/6000 series switches that

Configure IPv4 Management Interface on an SG350XG

This article provides instructions on how to manually configure the IPv4 management interface (OOB) on SG350XG or SG550XG switch through

How to Configure a Cisco Switch: Initial Setup Guide

You must connect to the device using a console cable, access the CLI, configure a hostname, set administrative passwords, assign a management

Service | Kubernetes

The cloud-controller-manager component then configures the external load balancer to forward traffic to that assigned node port. You can configure a load balanced Service to omit

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