Configure IP address for optical switch



Overview

Quick start guide Controlling the switch via RS422/485: Fibersystem AB is an inventive Swedish company who since 1982 has been working with the application.

Key Takeaways

To configure an IP address on an optical switch, assign it to a management VLAN interface, enable the interface, and optionally set a default gateway for network access.

Step-by-

Step Configuration1.

Access the Switch CL

I Connect to the switch using a serial console cable, SSH, or Telnet. Log in with your credentials. If using default settings, the username and password may be something like cisco/cisco.

2.

Enter Privileged EXEC Mode At the CL

I prompt, enter enable and provide the enable password to access privileged mode. 3. Enter Global Configuration Mode Use the command configure terminal to enter global configuration mode.

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

4. Select the Management Interface (VLAN) Most switches use VLAN 1 as the default management VLAN. Enter interface configuration mode with: CodeCopyinterface vlan 1 If your network uses a different VLAN for management, replace 1 with the appropriate VLAN ID.

5.

Assign the I

P Address and Subnet Mask Set a static IP address with the command: CodeCopyip address For example: CodeCopyip address 192. 168. 1.

10 255. 255. 255.

0 Optionally, you can also specify a default gateway for the switch to communicate outside its subnet: CodeCopyip default-gateway For example: CodeCopyip default-gateway 192. 168. 1.

1 This step ensures the switch can be managed remotely across different subnets. 6.

Enable the VLA

N Interface Activate the interface using: CodeCopyno shutdown This brings the VLAN interface online so the IP address is active. 7. Save the Configuration Exit interface mode and save the configuration to prevent loss after a reboot: CodeCopyendwrite memory orCodeCopycopy running-config startup-config This ensures the IP settings persist.

8.

Verify the Configuration Check the I

P address assignment and interface status with: CodeCopyshow running-configshow ip interface briefping This confirms the switch is reachable and the IP address is correctly configured. Additional ConsiderationsDHCP vs Static IP: If a DHCP server is available, the switch can automatically obtain an IP address. For stacked switches or critical management interfaces, a static IP is recommended to avoid address changes during failover.

VLA

N Selection: Ensure the management VLAN is properly configured and not blocked by access control lists or port security. Maintenance Window: Changing the management IP may temporarily disrupt connectivity, so perform this during a maintenance window. By following these steps, you can successfully configure an IP address on an optical switch, enabling remote management and network monitoring.

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

Article Content

Quick start guide

Controlling the switch via RS422/485: Fibersystem AB is an inventive Swedish company who since 1982 has been working with the application of fiber optic technology in the delivery of solutions fulfilling the

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

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

How to Assign an IP Address to a Switch

In this article, we will walk you through the process of assigning an IP address to a switch. We''ll cover the basics of IP addressing, explain how to find the MAC address of your switch, and show you how

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 3 interface. A point to note is that to provide an IP Address to a switch

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.

Switch configuration with IP address

With these simple steps, you''ll be able to configure the IP address for a VLAN on your switch. VLAN configuration is essential for network management, and this step-by-step guide will

Dell Networking OS10: Basic Switch Management Configuration

Instructions for setting up the management interface network connection with a user-defined IP address: Open a CLI session using the console for the S-series switch.

Create and configure a virtual switch with Hyper-V

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

Learn how to create and configure a virtual switch for use by the Hyper-V host and guest virtual machines.

Computer network

Within a computer network, hosts are identified by network addresses, which allow networking hardware to locate and identify hosts. Hosts may also have hostnames, memorable labels for the host nodes,

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 series switches through the Command Line Interface (CLI).

Network Devices

A switch is a high-speed networking device that connects devices (computers, printers, servers) within a Local Area Network (LAN), Unlike hub, switch learns the MAC address of every

The Network DNA: Networking, Cloud, and Security

Master networking, cloud, and security with in-depth analysis, tutorials, and research. Stay ahead of the curve with our expert tech blog.

How to configure IP on a Cisco switch

In this tutorial you will learn step by step how to configure the IP address on a Cisco switch. The IP address is essential for remote management of the switch.

Assigning IP Address And Default Gateway To A Switch

If you don''t have chance to the same location of switch, you need to connect the devices remotely and manage them via SSH or Telnet. If you don''t assign an IP address of a switch, it is almost impossible

How to Configure IP Address Settings via CLI | Cisco Switch CLI ...

In this Cisco Tech Talk, we show how to configure IP address settings on a Cisco switch using the command-line interface (CLI). This is essential for enabling remote management, connecting to ...

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

Configuring a Management IP Address on Catalyst 4500/4000, 5500 ...

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

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

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://cjcconsultants.co.za
Technical inquiry: https://cjcconsultants.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 CJC FIBRE CONSULTANTS - All rights reserved