Change the IP address segment on the switch s optical port



Overview

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 throu.

Key Takeaways

To change the IP address segment on a switch's optical port, configure the IP on the corresponding interface or VLAN, update the subnet mask, and ensure the interface is active.

Steps to Change the I

P Address1.

Access the Switch Interface

Connect to the switch via CLI using a console cable, SSH, or Telnet, or use the web interface if supported. Log in with your credentials (default is often cisco/cisco for Cisco switches). 2.

Identify the Interface

For optical ports, locate the SFP port (e.g., GigabitEthernet1/0/1 or 1000Base-X) you want to configure. If the switch uses VLANs for management, identify the management VLAN (commonly VLAN 1),. 3.

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Enter Configuration Mode

In CL

I, enter privileged mode: enableEnter global configuration mode: configure terminal 4.

Configure the IP Address

For a VLAN interface (common for management): CodeCopyinterface vlan 1ip address [new-ip-address] [subnet-mask]no shutdown For a Layer 3 optical port (if supported on a multilayer switch): CodeCopyinterface [SFP-port]ip address [new-ip-address] [subnet-mask]no shutdown Optionally, set the default gateway: ip default-gateway [gateway-ip] 5.

Save and Verify

Save the configuration to prevent loss after reboot: write memory or copy running-config startup-configVerify the IP address: show ip interface brief or show int vlan 1 Test connectivity by pinging the new IP from a host in the same network segment. 6.

Considerations

Changing the IP may temporarily interrupt management access; perform during a maintenance window. Ensure the new IP is within the correct network segment and does not conflict with other devices. If using DHCP, the switch may receive a different IP after reboot; for static management, configure a static IP.

By following these steps, the optical port or management VLAN will be assigned a new IP address in the desired network segment, allowing proper network management and connectivity.

Article Content

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

Configuring an OPT interface as an additional LAN

This guide configures an OPT port as an additional LAN type interface. These local interfaces can perform a variety of tasks, such as being a guest network, DMZ, IOT isolation, wireless segment, lab

Configuring Attributes for an Optical Interface

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To avoid impact on services, you can configure the interface to change to the Error-Down state when the receive optical power is low. When the receive optical power on the interface falls

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Connectrix: Brocade: Facing error "Command error issue "Cannot configure IP address on port ge0 while in Optical GE mode" on FCIP switches. This issue is seen when we try to configure IP address

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

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You can modify STP settings globally for the entire switch, or apply specific configurations to individual interfaces or VLANs for fine-tuned control over the STP behavior across different parts of your network.

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 on the Sx350, SG350X, Sx500, Sx500X series switches through the Command Line Interface (CLI).

Configure Port to Virtual Local Area Network (VLAN) Settings on a Switch

This article provides instructions on how to use the Port to VLAN page in the web-based utility to display and configure the ports within a specific VLAN in a switch.

ONT IP address conflicting with same network segment as that of the

Having problem with ONT IP address conflicting with same network segment as that of the WAN port. The problem is when try to change the LAN Ip Address after provisioning it.

How to config the management IP address in the same network segment ...

DANGER: You are about to set management IP addresses and service IP addresses on the same network segment. This operation may cause services that actively connect to external

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IP Subnet Calculator

This IP subnet calculator covers both IPv4 and IPv6 protocols, providing information such as IP address, network address, subnet mask, IP range, and more.

How To Configure A Switch For Network Segmentation?

How To Configure A Switch For Network Segmentation: A Comprehensive Guide Network segmentation with switches involves dividing a network into smaller, isolated segments to enhance

Changing the IP address and IP address range of a HUAWEI CPE

The 172.31 network segment is reserved in the IP address. Select another network segment. The UI is subject to the CPE model and the configuration page version. The CPE''s LAN IP address and WAN

How to Change Your IP Address on Windows 11

Whe show you three different methods for changing your IP address on Windows 11 and give you helpful tips to deal with DNS settings.

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