

Replacing the power supply of the fiber optic switch



AI Overview

You can safely replace a fiber optic switch power supply by following proper grounding, hot-swap procedures, and ensuring the replacement matches the original power type and airflow direction.

Preparation and Safety

Verify the Replacement Power Supply: Ensure the new power supply is compatible with the switch model, has the same power source type, and matches the airflow direction of the installed fan modules (Cisco Nexus example).

Ground Yourself: Use an ESD wrist strap or other grounding method to prevent static discharge that could damage sensitive components.

Check Operational Status: If the switch has multiple power supplies, ensure at least one is functioning to maintain power during replacement.

Hot-Swap Replacement Procedure

Disconnect Power: For the power supply being replaced, disconnect the power cord from the receptacle and verify the LED turns off, indicating no input power.

Remove the Power Supply: Press and hold the thumb latch (or equivalent mechanism) and carefully slide the power supply out of the chassis, supporting it with your other hand. Place it on an anti-static surface or in its original packaging.

Install the New Power Supply: Slide the replacement power supply into the empty slot until it clicks into place. If hot-swapping, allow a minimum of two seconds after removal before inserting the new module.

Reconnect Power: Attach the power cord to the new supply and verify the LED indicates proper operation.

Single Power Supply Considerations

If the switch has only one power supply, install the new supply in an open slot and power it up before removing the original supply to avoid downtime.

Additional Tips

Chassis Grounding: Ensure the switch chassis is properly grounded before performing any replacement.

Blank Panels: If a power supply slot will remain empty, install a blank filler panel to maintain airflow and prevent dust in...

Article Content

Cisco Nexus 9408 ACI-Mode Switch Hardware

You can replace an AC power supply during operations so long as there is another power supply installed and operating during the replacement.

How to Replace a Power Supply on Cisco Switches?

Step-by-step guide to safely replace power supply units (PSUs) on Cisco switches, including hot-swap procedures, verification commands, best practices, and sourcing verified PSUs from Router-switch

How to Install and Remove Optical Modules Safely

Small Form-factor Pluggable modules (SFP module) are the workhorses of modern network connectivity, enabling flexible fiber optic or

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Cisco Nexus 7000 Series Hardware Installation And

Replacing a Power Supply Unit During Operations The Cisco Nexus 7000 Series devices use a load-balanced power supply that uses up to three or four power

Fiber Optic Switch: A Comprehensive Guide

Key Takeaways .An optical switch routes light signals directly between fiber ports without optical-electrical-optical (OEO) conversion,

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Replacing the Power Supply and Fan Assembly

Orient the new power supply and fan assembly with the captive screw on the right. Gently push the power supply and fan assembly into the chassis until it is firmly seated.

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Cisco Nexus 9336C-SE1 NX-OS Mode Switch Hardware Installation

Replace a power supply with another supported power supply that has the same power source type as the other installed power supply. Additionally, the airflow direction of the power supply

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Replacing Components. Cisco Nexus 9000 Series Switches

You can replace a power supply with another supported power supply that has the same power source type and the same wattage rating as the other installed power supply.

7500N Series

Insert the new power supply into the empty power supply slot. After you insert the power supply, push gently on the power supply until the power supply is fully

Removing and Installing Transceivers and Fiber-Optic Cables

Do not look directly into a fiber-optic transceiver or into the ends of fiber-optic cables. Fiber-optic transceivers and fiber-optic cables that are connected to transceivers emit laser light that

A Step-by-Step Guide to Diagnosing and Replacing Your Fiber Optic

At times, our routers may experience connectivity issues, which could stem from a damaged fiber optic cable. While service providers often address these issues swiftly, immediate

QFX5120 Switch Hardware Guide

This procedure walks you through the most basic steps for installing your QFX5120 switch in a rack and connecting it to power. You can mount the QFX5120-48T, QFX5120-48Y, and

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Cabling a fiber-optic transceiver, Replacing a power supply ...

Before cabling a fiber-optic transceiver, it is strongly recommended that you clean the cable connectors and the port connectors. For more information, refer to "Replacing a management module" on page 161.

How to Deal with Power Issue in a Fiber Optic System

Posted on August 11, 2021 by FC — Leave a comment How to Deal with Power Issue in a Fiber Optic System The fiber optical link can achieve long distance,

Power supply removal and replacement

Attention: Disassembling any part of the power supply voids the part warranty and regulatory certifications. There are no user-serviceable parts inside the power supply. Because the cooling

Cisco N9324C-SE1U NX-OS-Mode Switch Hardware Installation Guide

Replacing a Power Supply Module Installing and Removing Small-Form Pluggable Modules Install and Remove OSFP/QSFP Transceiver Modules Attaching the Optical Network Cable

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Step-by-Step Guide for Installing and Removing SFP

SFP (Small Form-factor Pluggable) transceiver modules are widely used for connecting network devices such as switches, routers, and servers.

7800 Series

To add a new power supply in one of the available slots, remove the blank covering the slot before inserting a new power supply. When adding or replacing power

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