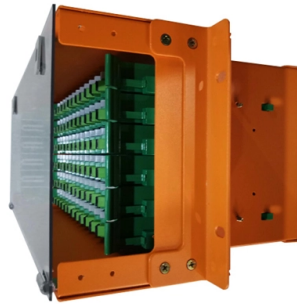


Fiber optic ports are not working after switch partitioning



AI Overview

Fiber optic ports may fail after switch partitioning due to configuration retention, SFP compatibility, or physical layer issues, and resolving this requires checking port settings, transceiver compatibility, and cabling.

Verify Port Configuration After partitioning a switch, ports may retain old configurations that are incompatible with the current SFP modules. For example, some switches may default to 1Gbps speed and disabled duplex even if a 10Gbps SFP is installed, preventing the link from coming up. Manually setting the port speed and duplex to match the SFP module is often necessary. Commands like `configure ports speed 10000 duplex full` or `show interface capabilities` can help verify and adjust settings.

Check SFP/SFP+ Compatibility Ensure that the SFP modules are compatible with the switch model. Using non-OEM or unsupported transceivers can result in the switch failing to detect the module. Cisco and other vendors provide compatibility matrices or CLI commands such as `show idprom interface` to confirm supported transceivers. Both ends of the fiber link must support the same speed and standard.

Inspect Physical Layer Physical issues are a common cause of fiber port failures. Check that the SFP modules are properly seated, the fiber cables are clean, and the connectors match the transceiver type (e.g., LC connectors for 10GBASE-LR). Dirt, dust, or loose connections can prevent the switch from recognizing the SFP.

Administrative and Redundant Path Checks Make sure the ports are administratively up (no shutdown) and not blocked by VLAN or partition policies. If the switch supports redundant paths, verify that the alternate paths are available before making changes. Moving the cable to a known working port can help isolate whether the issue is with the port or the SFP module.

Firmware and Software Considerations Some switches may require a minimum firm...

Article Content

maltego/top100Kenglishwords.txt at master

Custom Maltego transforms. Contribute to michenriksen/maltego development by creating an account on GitHub.

Troubleshoot Fiber Links on Catalyst 9000 Series Switches

Introduction This document describes how to troubleshoot fiber optic interfaces by addressing some of the fiber optic module and cabling specifications. Prerequisites Requirements

Random switch ports are not working

Hello For the stp tcns issue as I stated previously, I would suggest if you dont have portfast enabled on the access ports then apply it - ether globally or interface level, and check your interface

networking

I'm trying to connect a switch that only has RJ45 ports to a Windows 10 PC that has a fiber NIC. When I use an unmanaged media converter, the copper connection is fine, but there's no

Why Your Fiber Link is Dead: The 2-Minute Fix for Polarity & Tx/Rx ...

Confused why your fiber links between switches won't come up? Learn the dead-simple truth about fiber polarity, Tx/Rx, and why just flipping the cable usually fixes everything.

Optical Link Failure Troubleshooting: Switch-to-Switch (SMF/MMF)

Learn how to troubleshoot optical link failures between network switches. Essential guide covers checking optical modules, single-mode (SMF) vs. multimode (MMF) fiber integrity, and

Fiber Optic Troubleshooting Guide: Problems, Tools & Solutions

Learn how to troubleshoot fiber optic cables with common problems, a step-by-step process, essential tools, and

Fiber optic cable connection to switch not working

I am currently working in a project which uses a 12 core SM fiber optic cable running 40 km. Switched are connected in ring topology. Distance between two switches will be max 8 km and i

Solved: What would cause all fiber optic ports on a

It seems that the whole fiber optic controller stops working for some external cause, like there's something that troubles the controller to the point that

Fiber port of switch does NOT working

This is a quick video with a few tips I've picked up over the years for working with fiber connections on Cisco networking equipment. My first recommendation is to clean the fiber

switch ports not going up after unplug/plug of SFP module

We thought we solved the issue when we switch the connection of C1300 to another port and reconfigure vlan on C9500. but when we transfer the connection of C9500 other port, then the

Switch to Switch Fiber connection Issue

If everything works when the equipment is in the same room using the same SFPs and patch cables you are otherwise using, the first thing I'd try is swapping the TX/RX on one end.

Solved: Physical Fiber Connection Issue

Hello. I am trying to get a Cisco 3750g and a Hirschman rs30 to communicate through fiber. For some reason I cannot even get link lights. This means physical connection issue to me. I

Why Is My SFP Port Not Working? Common Issues and

In this article, we'll break down the most common causes of SFP port failures—and the practical fixes for each. We'll also share how GLGNET's

Help with connection to fiber optic!

The transceiver you are using is compatible with your switch. Assuming you have a good connection (not too much light loss and

New Fibre Cable Link Not Working

Hi All, We've recently had a new fibre cable installation which connects from one of our switches to another. On both switches where you'd plug the SFP module in, I can see a red light

SFP Troubleshooting: Fix No Link, Detection and Fiber

Perform a module swap test using a known working SFP module. If the issue persists after these steps, collect diagnostic logs and contact the

Network Switch Troubleshooting Guide: Common

A comprehensive switch troubleshooting from the physical layer to the data link layer to the network layer to find out why your network switch is not

Fiber Optic Troubleshooting: Expert Guide for Common Issues

Troubleshoot fiber optic issues like a pro with our expert guide. Resolve common problems and ensure seamless connectivity.

Wiley Online Library

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Solved: Re: What would cause all fiber optic ports on a switch to go ...

It seems that the whole fiber optic controller stops working for some external cause, like there's something that troubles the controller to the point that it just hangs after a while, after a buffer

Port Partitioning

Port Partitioning On some ExtremeSwitching switch models, you can configure QSFP28 and QSFP+ ports either as single ports or as multiple, partitioned ports. In a partitioned port, with appropriate

Troubleshooting Tip: SFP/SFP+ transceivers port/fiber link is not ...

As they are the same size, the SFP transceiver will fit seamlessly into an SFP+ switch port and vice versa. However, the connection will not work as expected. It may not work at all. If an SFP

Can't see other switch via Fiber connection

Coming from the main server rack via Cisco 9300, we have a fiber optic cable going to a building across the parking lot to a rack of Cisco 9300 switches. From there, we have another fiber

Fiber Network Troubleshooting - Common Issues & Fixes

Learn how to troubleshoot fiber networks. Identify common issues like high loss, dirty connectors, and signal drops, with practical solutions for optical links.

Solved: Fiber Port (notconnect)

The layout is like this: switch A -> fiber jumper -> cassette -> line -> cassette -> fiber jumper -> switch B. A colleague and I have tested the jumpers and the 12 physical pairs of both

Fortswitch not working over fiber : r/fortinet

Folks are on target - In general check/clean the fiber, optics and connectors, and verify they have not been compromised in any way. Also use a proper cleaning tool when cleaning fiber ends and optics.

Common Faults and Troubleshooting Methods for Fiber Optic

In such cases, consider replacing the fiber optic network card. Troubleshooting fiber optic network card faults requires meticulous inspection of both the fiber optic link and twisted pair link. In

10 gb fiber patch panel not working, lets start with basic wiring

I had a contractor run some new fiber rated for 10 gb (nice shade of blue). I can't get it to connect on the two trunk ports. I can get two ports on the 10 gb cisco module (using sfp+) to talk to each other. (not

Re: Fiber port of switch does NOT working

I have Cisco C9300X-12Y switch (SW Version : 17.09.03), and Sonicwall NSA5600 Firewall and switch are connected by fiber optic cable multimode fiber SFP "GLC-SX-MMD" on both

D-link switch not using fiber optic port

We've got a DGS-1210-28P set up with two VLANs one for trusted, one for guest. The trusted connection from upstream is coming over on fiber (with a copper failover) and the unit is

SFP Issue: Causes, Fixes, and Troubleshooting Guide

What it usually means: Weak or unstable optical signal (low Rx power) Dirty or contaminated fiber connectors Slightly bent or damaged fiber cable Loose SFP seating or unstable

SFP Issue: Causes, Fixes, and Troubleshooting Guide

Learn how to fix SFP issues fast: no link light, link flapping, detection errors, compatibility problems, and optical power checks.

SFP fiber stopped working for no apparent reason; why? how?

Well this morning the switch at the end of the chain stopped accepting the fiber at the SFP. NO idea why or how this happened. To fix it, I unfortunately had to reinstall 10/100 media converters

New fiber trunk not working with Cisco SG250 switches

I recently installed a fiber trunk between a Cisco SG250-26P and Cisco SG250-50P, which have SFP "combo" ports. I anticipate

Fiber not working with unmanaged switch : r/HomeNetworking

After troubleshooting the problem, I've discovered that if I connect my laptop directly to the fiber optic connection, everything works fine. Similarly, if I plug directly into my router, the internet works

Technical Tip: FortiGate-80F/81F Fiber port/SFP port in the shared port ...

Technical Tip: FortiGate-80F/81F Fiber port/SFP port in the shared port down after upgrade to v7.4.8

Contact Us

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