

Fiber optic ports are not working after VLANs are created on the switch



Overview

You can use the show controllers command to see if there's something physically wrong with it, or try a different port on the switch to see if the same problem is happening. Verify that the interface is operational and use the no shutdown command. This includes Doppler. In order to find and fix connectivity problems caused by Virtual Local Area Networks (VLANs), VLAN troubleshooting entails a methodical approach to examining the setup and condition of network devices. We double-checked to make sure the port is. The first is that I'm trying to configure the switches where I can access both switches from the management network for configuration and monitoring. I have port 48 on both switches untagged to VLAN 700, however, when I connect the trunk between the two switches and remove 48 on switch B as if we. I find that some of my switches won't change the fiber port config and for some reason holds on to a "auto, off, speed 1000 duplex off". There are a few more switches along the path all trunked in the same way, until it hits a unifi dream machine which handles the vlans.

Article Content

Virtual Local Area Networks (VLANs)

VLANs serve two major functions: splitting up one switch into smaller virtual-switches, and extending those virtual-switches to other physical switches.

How to configure routing VLANs with shared Internet access on a

Add a default route on the fully managed switch so that traffic that is not destined for the local VLANs is routed to the Internet gateway or router. Select Routing > Routing Table > Basic >

Fiber link and VLANs with M4300-24X24F | NETGEAR Communities

I have port 48 on both switches untagged to VLAN 700, however, when I connect the trunk between the two switches and remove 48 on switch B as if we would in production, I can't

Fiber port of switch does NOT working

2960X switch = 1/4 port is currently plugged with Cisco GBIC module. - I plugged new Fiber cable with new GBIC module, but switch port is NOT working (no blinking).

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

How to perform VLAN troubleshooting

Use these VLAN troubleshooting steps to evaluate the symptoms of a VLAN issue and determine how to fix the problem.

Fix VLAN Misconfiguration: Step-by-Step Guide

Incorrect VLAN settings can cause traffic disruptions, unauthorized access, and inefficient network performance. This guide will help you identify and fix VLAN

VLANs are not functioning in my lab

I Have WAN and LAN port. But I am trying to create vlans under the lan port, see the pictures The LAN(port2) network is working fine on my vm's. It works also through dhcp server relay.

Troubleshooting VLAN and Switch Problems

Learn how to troubleshoot VLAN and switch problems in the first of this two-part series by Joe Rinehart. Video Tutorial.

How to Set Up a VLAN in 12 Steps: Creation

Whether you're an expert or just starting out, this article will help you master the art of VLAN setup. Learn the basics of how to set up a VLAN.

Fiber link and VLANs with M4300-24X24F | NETGEAR Communities

Fiber link and VLANs with M4300-24X24F Good afternoon, I have a project where I have two separate sites that have their own independent networks but also need to have their network at

Virtual Network (VLAN) Troubleshooting

Virtual Network (VLAN) Troubleshooting UniFi makes it easy to create and manage virtual networks (VLANs), however certain misconfigurations may result in

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

Unifi Vlans not working here's the fix!

How to get a switch's ports, Vlans to work when using your own router if you have problems.

Help! VLANs only working on sfp1 port

If I only turn on the AP connected to sfp1, all my vlans trunk (all PPSK work and set me into the right vlan). However, if I try to use an AP on another port, or the ethernet port, the PPSK

Fiber to PoE NVR Pt. 2: Configure VLANs to Fix Multi-Camera Display ...

Welcome to Part 2! After learning why only one IP camera worked in Part 1, we now show you the real fix: Using VLANs to connect multiple IP cameras over fiber optic to a PoE NVR—without crashing ...

No internet access on newly created VLANs Cisco

On this Catalyst 2960-S switch my simple goal for now is to create 2 VLANs (VLAN 10, VLAN 20), assign ports to each VLAN and then connect 1 PC

Troubleshooting EtherNet/IP Devices on Different VLANs

Learn the troubleshooting steps for resolving issues when EtherNet/IP devices are discovered on one VLAN but not another due to network segmentation, broadcast domain

VLAN Configuration Guide, Cisco IOS XE 17.17.x

If you have the default allowed list on the trunk ports of that device (which is to allow all VLANs), the new VLAN is carried on all trunk ports.

How to Troubleshoot Common VLAN Interface Issues

Use the command line interface on your switches to check port status and VLAN membership. Examine Trunk Links: Ensure that trunk links

Layer 2 VLAN issues

After the above, then get them provider (s) to document how all the other switch ports are configured. if you have 2 laptops or desktop PCs with an Intel* network interface card, you can create

Multiple VLANs over Fiber : r/HomeNetworking

Each switch will have every port except for one assigned to VLAN0 and one port assigned to VLAN1. The fiber will plug into a 10GB SFP+ transceiver on each switch, and this will be configured as a

Troubleshooting Common VLAN and SVI Configuration

When basic troubleshooting steps do not resolve VLAN and SVI issues, more advanced techniques and tools might be needed. These can help identify

wan and lan (vlans) on same fiber. Possible?

WAN not need a Vlan, only configure your router of B side like the A side for routing and nating with the ISP. If both LAN networks can see between itself, on LAN side you don't need do

VLAN Configurations: Setting and Troubleshooting | NSC

A trunk port on a switch can carry traffic for multiple VLANs, but the traffic from the native VLAN is not tagged with a VLAN identifier. This can

networking

Unless all the devices creating frames to be routed by the embedded router inside the later 3 switch are, themselves, plugged into ports directly on the layer 3 switch you still need to worry about the

Cisco VLAN Troubleshooting Commands And VLAN

This article offers practical tips and solutions for VLAN troubleshooting, including how to verify VLAN tagging, and check trunk ports.

Re: Fiber Ports Not Getting Config Correctly

My guess: You used these ports previously on the older firmware, which required a license in order to use 10G. Updating to a newer version (in order to use 10G without a license) of course will

Solved: VLAN doesn't add port

I got it working! Even after disabling BDPU and spanning-tree on port te2/4, it wouldn't ping. I got in touch with another Cisco engineer at my company and we found that we needed both ports to

Troubleshoot Fiber Links on Catalyst 9000 Series Switches

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

Configuring VLANs on Cisco Switches

Master configuring VLANs on Cisco switches. Learn to configure Access and Trunk ports, and Native VLANs and Allowed VLAN Lists. Learn to verify with show

3850 VLANs and Switchports not coming up

I am trying to replace a 3750 Switch with a 3850 Switch. When I attempt to insert the 3850 into production, none of the VLAN interfaces, port-channels or switchports will come up. ??? They

Fix VLAN Misconfiguration: Step-by-Step Guide

Introduction VLAN (Virtual Local Area Network) misconfiguration can lead to network segmentation issues, preventing devices from communicating as expected.

Vlans, trunks, and fibre, Oh my!

Hi ya. We have 2 buildings connected by a fiber line. On both sides, there are HP 10/100 switches that I am replacing with Dell PowerConnect 5424s. I have the VLANs set up but not sure

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.

Edgemax switch VLANs not being passed to portion of Unifi ...

We have a campus with two primary locations across a parking lot, connected by fiber. The secondary location is a new set of 3 buildings, all connected together with Unifi switch

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D-link switch not using fiber optic port

The trusted connection from upstream is coming over on fiber (with a copper failover) and the unit is switching between them as expected. The guest connection is coming over on copper just

Troubleshooting Common Cisco Private VLAN Configuration Issues

Also, frequent verification through commands like `show vlan private-vlan` is recommended to ensure ongoing accuracy in your configuration. Another common challenge is the

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