

Huawei switch optical port and VLAN not communicating



Overview

This document describes how to check the switch interface or port status and how to locate an interface physically down fault and restore the interface to the up state. Check whether the information is consistent with the optical module specifications provided in the product documentation. Virtual Local Area Network (VLAN) technology divides a physical LAN into multiple broadcast domains, each of which is called a VLAN. In the early stage, an Ethernet network implements data communication over shared media based on Carrier. VLAN, trunk, VLANIF (SVI) on Huawei switch Today I want to show you: • • • • How to configure VLANs How to add interface to a VLAN How to establish 802. Look at the following topology. We will configure each switch for VLANs one by one. system-view Enter system view, return user view with Ctrl+Z. [IPCisco-HCNA-1] vlan 2 [IPCisco-HCNA-1-vlan2].

Article Content

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.

01-04 VLAN CONFIGURATION

If a spanning tree protocol is used and a trunk interface on the switch rejects packets from VLAN 1, run the `stp bpdu vlan` command to enable the switch to encapsulate the specified VLAN ID in outgoing

Troubleshooting for Optical Modules on Huawei Switch

If the transmit power remains low, replace the optical module or install it in another optical port to check whether it is faulty. If the optical module is faulty, send it to ...

Troubleshooting Optical Module Issues

Troubleshooting Optical Module Issues Symptom An optical port cannot go Up. The optical module cannot be properly identified and optical module information cannot be obtained. After

Troubleshooting for Optical Modules on Huawei Switch

The type of optical modules used on the two ports is not restricted. For example, a port with an XFP optical module can communicate with a port with an SFP+ optical module, as long as they meet the

Configuring Port Isolation to Implement Intra-VLAN Layer 2 Isolation ...

To prevent interfaces in the same VLAN from communicating at both Layer 2 and Layer 3, you can set the port isolation mode to Layer 2 and Layer 3 isolation. Figure 4-29 shows a port isolation usage

Achieving Line-Rate Forwarding: Buffer Allocation and QoS

Core Architecture & Switching Logic: The Hardware Foundation for Line-Rate Forwarding The Huawei AR series is engineered to achieve high-throughput and low-latency performance through a purpose

Huawei VLAN Configuration on Huawei Switches * | Huawei NE40

In this lesson we will learn Huawei VLAN Configuration on Huawei Switches. VLAN Configuration is one of the key lessons for Huawei HCNA.

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.

Troubleshooting VLANs

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - Ethernet Switching This document describes the configuration of Ethernet services, including configuring link aggregation,

Troubleshooting Guidelines for VLAN

Troubleshooting Guidelines for VLAN Users in a VLAN Cannot Communicate with Each Other

Configuring a Port Group

Configuring a Port Group Context If you need to perform the same operations on multiple Ethernet interfaces, configuring each interface one by one easily causes incorrect configurations and is labor

01-03 VLAN CONFIGURATION

Hosts within a VLAN can communicate with each other but cannot communicate directly with hosts in other VLANs. Consequently, broadcast packets are confined to within a single VLAN.

Troubleshooting S Series Switch Port and Interface Problems

Troubleshooting S Series Switch Port and Interface Problems This document describes how to check the switch interface or port status and how to locate an interface physically down fault and restore the

Port: Optical Ports on the AC Cannot Go Up

Use an optical fiber to perform a loopback test on the Huawei device. If the link goes Up, the Huawei device is working properly, and the fault may occur on the peer device or the link.

Case Study: An Interface Does Not Go Up

Check the Alarm information field to determine whether the optical module is certified for Huawei Ethernet switches. If the alarm message "Non-Huawei-Certified Transceiver" or "Non-Huawei

Users Connected to a Single Device in the Same VLAN Cannot Communicate ...

Run the display vlanvlan-id command in any view to check whether the VLAN to which the interfaces connected to user terminals belong has been created. If not, run the vlan command in the system

Huawei Switch VLAN, Trunk, VLANIF Configuration Tutorial

Learn to configure VLANs, trunks, and VLANIFs on Huawei switches. Step-by-step tutorial with examples for network configuration.

Troubleshoot Switch Port and Interface Problems

This document describes how to determine why a port or interface experiences problems.

Configure VLAN on Huawei Switch: Basic Step or Network Game

Configuring VLANs on a Huawei switch isn't just about typing commands—it's about crafting a network that's resilient, agile, and secure. While the basics get you online, mastery turns

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 misconfigurations, ensuring smooth

Typical Troubleshooting Cases of Optical Module

On the live network, services on a switch will be affected if you remove and reinstall optical modules, restart the switch, or upgrade the system software. Exercise caution when deciding to perform these

The Ultimate Guide to Huawei MA5800 OLT Configuration:

The Huawei SmartAX MA5800 OLT is more than an access device; it is a high-density aggregation platform that redefines the capabilities of the edge network. By integrating a distributed architecture,

Kompletny przewodnik po konfiguracji OLT Huawei MA5800:

The modern gigabit broadband era demands an optical line terminal (OLT) that transcends traditional chassis-based designs. The Huawei SmartAX MA5800 series,

Huawei CloudEngine S5732-H Series Hybrid Optical-Electrical Switches ...

CloudEngine S5732-H hybrid optical-electrical switch is brand-new full-10GE switch developed by Huawei for the Wi-Fi 6 era. The CloudEngine S5732-H builds on Huawei's unified Versatile Routing

Troubleshooting S Series Switch Port and Interface Problems

When connecting two devices, check whether optical modules match optical interfaces, whether optical modules match fiber models, and whether optical modules and fibers are connected correctly.

Problem communicating between 2 switches on the same VLAN

The problem is that a device on one switch cannot communicate with a device on the same VLAN on the other switch. Here's my config in simple terms: On both switches ports 1, 3, 5, 7,

Poor OLT's Upper-Layer Network Quality

Run the display port state all command to query the status of the optical module installed in the uplink port. The value of the Optic Status parameter specifies the status of the optical module. absence:

Contact Us

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