

Huawei OLT uplink port connected to core switch



Article Overview

To connect a Huawei OLT uplink port to a core switch, configure the physical SFP or Ethernet uplink, assign the appropriate VLAN, and optionally use link aggregation for higher bandwidth and redundancy.

Physical Connection

Huawei OLTs, such as the MA5608T or MA5683T, typically provide SFP or Ethernet uplink ports for connecting to a core switch . Use fiber optics with SFP modules for high-speed uplinks or Ethernet adapters if fiber is not available. Ensure the uplink port on the OLT is directly connected to the corresponding port on the core switch, maintaining the same interface type and speed .

VLAN Configuration

The uplink port should be assigned a default VLAN that matches the service VLAN on the core switch. By default, Huawei OLT uplink ports use VLAN 1, but you can configure a specific VLAN using the port uplink default vlan command . This ensures that traffic from ONUs or other OLT-connected devices is correctly tagged and forwarded through the core network. For multiple services, configure the uplink to allow tagged VLANs as needed.

Link Aggregation (Optional)

Article Content

port uplink vlan

The port uplink vlan command configures allowed VLANs for the uplink interface on an RU. The undo port uplink vlan command

Enable UPLink port

1 To enable the Uplink ports, it is necessary to go to the "OLT List" view and select an OLT, then choose the option in the tools

Getting Started With OLT Network Configuration, Cisco Catalyst PON ...

In the downstream direction, the OLT strips the default VLAN of the service flow from the uplink port and forwards it to

OLT's Upper-Layer Network Is Faulty

Check fiber quality on the upper-layer network. Ping the network IP from the OLT. If packets are lost, perform the following

Initial Configuration of New Huawei OLT

To have a clearer understanding of how the OLT connection is structured when performing the configuration, you can refer to the

OLT configures upstream Ethernet port attributes

Today, I would like to share with you when the OLT configures upstream Ethernet port attributes.PreconditionsThe board in the GIU

The Ultimate Guide to Huawei MA5800 OLT Configuration:

Whether utilized as a core switch for an enterprise campus or an OLT for an ISP, its combination of carrier-grade reliability, high port

Huawei OLT Basic Configuration/Initial Setup

This is for your local login port, it is need for firmware upgrade & locally login, you did not get internet through this

Huawei OLTs Initial Setup

This is useful when you want to manage the OLT using the same physical interface that is used for normal traffic of the customers.

Huawei OLTs Initial Setup

In this post you'll find step by step instructions for initial OLT configuration and for setting up the IP connectivity of any HUAWEI OLT.

What Is an All-Optical Ethernet Switch?

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal

Poor OLT's Upper-Layer Network Quality

Procedure Check whether the optical module installed in the uplink port on the OLT is functional. Check whether the uplink port is

How to Setup Link-Aggregation to Uplink Ports on Huawei OLT?

Abstract This topic will guide you how to setup link-aggregation to uplink ports on Huawei OLT ? Function The link-aggregation

Initial Configuration of New Huawei OLT

Note: The following steps are for a new Huawei OLT or one that has been restored to its factory settings. To have a clearer

OLT's Upper-Layer Network Is Faulty

Fault Locating Guide If all phone sets connected to an OLT sound a busy tone, the OLT's upper-layer network is faulty. Locate the

Configure ETH Ports (AdminOLT)

Hybrid: Hybrid ports are similar to trunk ports. They can also allow multiple VLANs to pass, receive, and send packets from multiple

How to Setup Link-Aggregation to Uplink Ports on Huawei OLT?

How to Setup Link-Aggregation to Uplink Ports on Huawei OLT? This topic will guide you how to setup link-aggregation to uplink

Huawei OLT Configuration Guide 2023

At the command line interface, you will find this port named meth0. ETH port is designed only for management; you can't use this

port uplink default vlan

Usage Scenario If terminals connected to an RU run the same service, they can reside in the same service VLAN. In this situation,

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://yachtchartercapetown.co.za>

Email: info@yachtchartercapetown.co.za

Phone: +27 21 863 4927

Address: 1st Floor, The Towers, 1 St George's Mall, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

