Layer 2 Tunnel Protocol Configuration Guide

Model: S5500-48T8SP

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1.1   Introduction

Layer-2 protocol tunnel allows users between two sides of the switch to transmit the specified layer 2 protocol on their own network without being influenced by the relevant layer 2 software module of the switch. The switch is a transparent media for users.

1.2   Configuring Layer-2 Protocol Tunnel

Use the command line on the interface of the switch to configure tunnel function of the layer 2 protocol. The configuration steps are as follows:

Command	Description
configure	Enters global configuration mode.
interface *<intf_name>*	Enters interface configuration mode of the switch. Only the switch port supports layer 2 protocol tunnel (including physical port and aggregation port).
[**no**] **l2protocol-tunnel** *[stp]*	Enables layer 2 protocol of the tunnel function. Currently we only support tunnel function of stp protocol.
[CTRL] + Z	Returns to EXEC mode.
write	Saves configuration.

1.3   Configuration Example of Layer 2 Protocol Tunnel

Network environment is as follows：
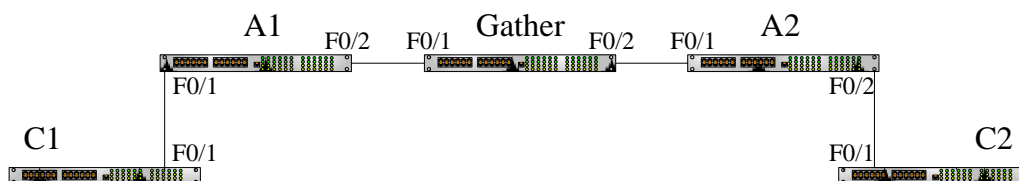
A1/A2/Gather belong to core network, C1/C2 are switches distributed in two places. Customer wants to combine two of its network to one , that is, the core network is a transparent transmission channel for the customer. If user wants to realize the transparent transmission of STP, then the following configurations should be configured on each switch:

(1)   The f0/2 of Switch A1, f0/1 and f0/2 of Gather, f0/1 of A2 should be configured to trunk mode.

(2)   The f0/1 of switch A1, f0/2 of A2 should be configured to Access, and enables tunnel function of the STP protocol.