

Tunnel Access Switch



Overview

L2TP tunnel switching, also known as L2TP multihop, simplifies the deployment of an L2TP network across multiple domains. To configure Layer 2 point-to-point tunneling to facilitate the automatic creation of EtherChannels, you need to configure both the SP (service-provider) edge switch and the customer device. UBT operates over a Layer 2 or. Layer 2 Tunneling Protocol (L2TP) is a protocol for tunneling Layer 2 traffic over a Layer 3 network. The LNS is one endpoint of. 802. A router that lies between a LAC and an LNS is configured as an L2TP tunnel switch (LTS)—sometimes referred to simply as a tunnel switch or a tunnel switching aggregator. The IEEE 802. 1Q Tunneling feature is designed for service providers who carry traffic of multiple customers across their networks and are required to maintain the VLAN and Layer 2 protocol configurations of each customer without impacting the traffic of other customers.

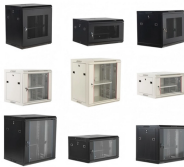
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In switch stacks, Layer 2 protocol tunneling configuration is distributed among all member switches. Each member switch that receives an ingress packet on a local port encapsulates or decapsulates ...



The switchport mode dot1q-tunnel command tells the switch to tag the traffic and switchport access vlan command is required to specify the Q-in-Q VLAN of 123. Make sure that VLAN 123 is available on ...



L2TP requires an L2TP access concentrator (LAC) and an L2TP network server (LNS). The LNS is one endpoint of an L2TP tunnel. The LAC, configured on an access device, receives packets from a ...



In a Layer 2 wholesale network, the wholesaler can use L2TP tunnel switching to create a flatter network configuration that is easier to manage. The wholesaler bundles Layer 2 sessions from a LAC that are ...



User-based tunneling applies to the 4100i Switch Series. User-based tunneling uses GRE to tunnel ingress user traffic on an access switch interface to an HPE Aruba Networking gateway for further ...



In the new header, the source IP address specifies the tunnel source, and the destination IP address specifies the tunnel destination. The IP protocol stack uses the destination IP address of the new IP ...



Using the IEEE 802.1Q tunneling feature, service providers can use a single VLAN to support customers who have multiple VLANs. Customer VLAN IDs are preserved, and traffic from different customers is ...



This document describes what an access tunnel is in SD-Access, its purpose, and how you can triage the formation of the access tunnel.



I have a network that has a firewall hanging off the L3/L2 core, with L3/L2 distribution switches, and L2 access switches. I would like to create a L3 vln out at the L2 access layer switch, and tunnel it back ...



This chapter describes User-Based Tunneling (UBT), including underlay connectivity, gateway scaling, VLAN design, and Multizone segmentation to ensure secure and scalable role ...

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