

RFC 4761 Graphic

Network Working Group
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Category: Standards Track

K. Kompella, Ed.
Y. Rekhter, Ed.
Juniper Networks
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Virtual Private LAN Service (VPLS) Using BGP for Auto-Discovery and Signaling

Status of This Memo

This document specifies an Internet standards track protocol for the Internet community, and requests discussion and suggestions for improvements. Please refer to the current edition of the "Internet Official Protocol Standards" (STD 1) for the standardization state and status of this protocol. Distribution of this memo is unlimited.

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IESG Note

The I2VFN Working Group produced two separate documents, RFC 4762 and this document, that ultimately perform similar functions in different manners. Be aware that each method is commonly referred to as "VPLS" even though they are distinct and incompatible with one another.

Abstract

Virtual Private LAN Service (VPLS), also known as Transparent LAN Service and Virtual Private Switched Network service, is a useful Service Provider offering. The service offers a Layer 2 Virtual Private Network (VPN); however, in the case of VPLS, the customers in the VPN are connected by a multipoint Ethernet LAN, in contrast to the usual Layer 2 VPNs, which are point-to-point in nature.

This document describes the functions required to offer VPLS, a mechanism for signaling a VPLS, and rules for forwarding VPLS frames across a packet switched network.

Status

DRAFT

Source(s) and Reference(s)

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