



## Virtual Private LAN Services

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The Virtual Private LAN Services (VPLS) feature allows Multiprotocol Label Switching (MPLS) networks to provide multipoint Ethernet LAN services, also known as Transparent LAN Services (TLS). All customer sites in a VPLS appear to be on the same LAN, even though those sites might be in different geographic locations. Cisco IOS Release 12.2(33)SXH introduces VPLS support on the Cisco 6500 series routers.

## Configuration Information

Configuration information is included in the “Virtual Private LAN Services on the Optical Services Modules” module of the *Optical Services Modules Software Configuration Note, 12.2SR, Cisco 7600 Series Routers* at the following URL:

<http://www.cisco.com/univercd/cc/td/doc/product/core/cis7600/cfgnotes/optical/122sr/mpls.htm#wp1423607>

The following sections provide information about this feature:

- VPLS Overview
- Supported Features
- VPLS Services
- Benefits of VPLS
- Configuring VPLS
- Basic VPLS Configuration
- Full-Mesh Configuration Example
- H-VPLS with MPLS Edge Configuration Example
- Configuring Dot1q Transparency for EoMPLS

## ■ Configuration Information

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