Extend your Ethernet LAN across a Wide Area Network to deliver high-bandwidth applications. VPLS can be an ideal solution when you want to create a reliable, private network to simplify transport of high-bandwidth IP and non-IP traffic across specific sites, and maintain control over your own routing.

Combine the privacy of Private Line services, the performance and resiliency of MPLS IP-VPN, and the affordability, simplicity, and flexibility of Ethernet into one XO Service. A VPLS network has the same familiarity as the local Ethernet network you use every day and can carry all of your IP and non-IP traffic. You maintain complete control over network routing and management and benefit from the highest levels of network performance, cost efficiency and scalability.

**BENEFITS**

- **Gain privacy** – through control over packet addressing and routing
- **Accelerate performance** – using dedicated connections with robust Classes of Service
- **Carry IP and non IP-based traffic over the same network**
- **Enjoy simplicity and savings** – with a native Ethernet network that’s cost-effective to administer and maintain

For more information, contact your XO representative, visit [XO.COM](http://XO.COM) or call **866.349.0134**

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Why VPLS?

Your business may require a VPLS network to:

- Route IP and non-IP traffic over the same network
- Maintain separate networking domains as if they are on the same Local Area Network, regardless of their locations
- Connect data, contact or media centers

- Support specialized applications like video multicasting or VoIP using Class of Service guarantees
- Interconnect with other networking services from XO such as MPLS IP-VPNs or Internet Access to achieve Class of Service guarantees from one provider.

Multiple Bandwidth and Access Options

Select from multiple access types:

- Ethernet over Fiber from 10 Mbps to 1 Gbps
- Ethernet over Copper access from 3 Mbps through 20 Mbps
- LMDS wireless access in speeds ranging from 10 Mbps to 1 Gbps.

You also may elect the XO Bandwidth-on-Demand feature to provide for bandwidth bursting whenever needed.

Service Types

XO can configure your VPLS architecture in several ways. Extend your native Ethernet LAN across a metro or wide geographic area with point-to-point, point-to-multipoint, or multipoint-to-multipoint (any to any/fully meshed) architecture.

Robust Classes of Service

Take advantage of all Classes of Service:
- Real-Time
- Critical
- Priority
- Standard

With VPLS, you get access to all Classes of Service for one flat rate, and each class can use the full amount of bandwidth available when necessary, in order of priority.
Bundle Services in a Single Network

Combine multiple services across a single Ethernet circuit to be more cost-effective and to optimize your network:

- Use single or multiple Ethernet VPNs in one network to distinguish different domains or separate types of traffic
- Combine with MPLS IP-VPN and Dedicated Internet Access for a complete network solution with all Class of Service options from a single provider.

Equipment Options

Choose from several equipment options. You may either use your own customer premise equipment (CPE), or lease or buy equipment from XO.

Support for Industry Standards and Protocols

VPLS has the advantage of being completely protocol-agnostic:

- Carries both IP and non-IP traffic
- Provides Virtual LAN (VLAN) transparency
- Enables native Ethernet multicasting.

The service also supports many industry standards:

- Metro Ethernet Forum E-LAN design
- IEEE 802.1ag Ethernet
- Operations, Administration and Management (OAM) standards
- Use of RFC 4761 and 4762 protocols.

Gain Simplicity and Savings

Ultimately, VPLS provides you with a high-speed, extremely reliable and secure network with all the cost effectiveness and flexibility of an easy-to-manage Ethernet environment:

- Costs less per megabit than other technologies
- Decreases network management costs because it’s less expensive to administer, operate and manage
- Lowers your total cost of ownership since there’s no need for special routing protocols, conversions equipment or IT staff training

Call Today

Extend your LAN environment to a Metro or Wide Area Network, and allow your sensitive, critical applications to flow seamlessly across the network. Take advantage of the high-speed connectivity, flexibility and affordability advantages of a VPLS network.

XO Communications provides the technology that helps business and wholesale customers compete in a hyper-connected economy. In the U.S., XO owns and operates one of the largest IP and Ethernet networks that customers rely on for private data networking, cloud connectivity, Unified Communications and voice, Internet access, and managed services.

FOR MORE INFORMATION, CONTACT YOUR XO REPRESENTATIVE, VISIT XO.COM OR CALL 866.349.0134