The Level 3 Virtual Private Lan Service (VPLS) is a comprehensive, full-mesh Ethernet VPN that extends network reach to the edge of multiple local area networks (LANs) for seamless, any-to-any global Ethernet connectivity. Connect all your sites together into a single Ethernet LAN, securely and reliably. Change locations and scale easily. Gain further economies of scale with converged services—voice, video and data—on a single Ethernet local access connection. Benefit from Ethernet smart demarcation network interfaces included with the service for simplified Ethernet testing turn-up, which can help save your staff time.

Global reach, routing control, verifiable bandwidth throughout and end-to-end SLA guarantees available.

Level 3 VPLS—clearly the smart choice.

**BUSINESS SOLUTIONS**

**Easily Accommodates Expansion:** VPLS is available in more than 45 countries across North America, Europe, Asia, Middle East and Latin America.

**Buy What You Need:** Efficient, flexible options, such as multiple bandwidth increments and usage-based billing, enable you to choose the right bandwidth and billing profile for your application demands and budgets.

**Get the Right Quality of Service:** With up to six classes of services and available end-to-end SLAs for latency, jitter and delay, the VPLS service can deliver a network solution to match your enterprise application requirements.

**Secure Your MPLS Architecture:** The VPLS service leverages our global MPLS network to create a private path across the Level 3 backbone — isolated from other customers' domains — for a security level comparable to other Layer 2 networks such as ATM or Frame Relay.

**Maintain Network Control:** As a Layer 2 transport service, you can efficiently maintain control of your WAN routing; all sites appear to be on the same network domain, and there is no need to exchange routing information with the carrier.

**Streamline Your Services:** VPLS smart demarcation simplifies service test and turn up to get your network operating faster, then speeds trouble resolution and supports continued end-to-end visibility into service performance through our portal.

**Realize Cost Efficiencies:** With converged services, a single Ethernet access circuit supports Level 3® VPLS, EVPL, MPLS/IP VPN, Dedicated Internet Access (DIA), VoIP, Video, and Collaboration services.

“Level 3 has established a differentiated position in the global market as a provider of Ethernet WAN services with service reach to more than 45 countries and a standard offer that provides global end-to-end fault management and troubleshooting with a performance assurance option. With Level 3’s broad portfolio of Ethernet services, enterprises can realize the efficiency advantages of Ethernet technology across the WAN for secure, high speed applications such as data center and cloud connectivity, financial trading connectivity, video transport, and headquarters or key business center connectivity.”

Roopashree Honnachari, Industry Director, Business Communication Services & Cloud Computing ICT, Frost & Sullivan

Level 3® VPN Services deliver enterprise-class metro and wide area network configurations over a private, secure infrastructure that is separate from the public network. Our MPLS-based VPN portfolio, including MPLS/IP VPN, VPLS and EVPL services, offers flexible solutions that deliver reliable service performance and scalability.
TECHNICAL FEATURES / CAPABILITIES

• Flexible bandwidth (Committed Data Rate) ranging from 1 Mbps to up to 10 Gbps where available in select markets.

• Standard smart demarcation for end-to-end connectivity fault management and remote testing through a standard inline Ethernet network interface device.

• Optional Performance Assurance end-to-end service level guarantees provides enhanced reporting for key performance metrics for frame delivery, frame delay (latency) and frame delay variation (jitter).

• Up to six classes of service based on users’ traffic classifications to prioritize traffic to enhance bandwidth efficiency and utilization.

• A usage-based billing component for greater flexibility — great for backup and disaster recovery implementations.

• Standard POP-to-POP SLAs with the ability to view, measure and validate metrics including frame delivery, delay and delay variation, and mean time to repair.

• Layer 2 VPLS and Layer 3 MPLS/IP VPN interworking to enable high-speed Ethernet services for very large locations like data centers, and MPLS/IP VPN services to interconnect smaller sites requiring lower-speed access, such as T-1/E-1 or DSL.

• WAN protocol support via Layer 2 service to allow any Layer 3 WAN protocol, such as IPv6, IPX, SNA and DECnet.

WHY CHOOSE LEVEL 3 FOR VPLS?

• A Trusted Provider You Can Rely On: Level 3 has a long track record of reliable services and responsive customer support.

• A proven global IP and Ethernet solutions provider with an integrated global IP-based network. Global coverage available in over 45 on-net countries.

• Collaborative and Transparent Solutions Design: Willingness to understand business needs and build a solution that meets your unique requirements for availability and performance.

• Ease of Doing Business: Secure 24 x 7 customer portal for access, visibility and control over your Level 3 services anytime, anywhere.