

MPLS VPN Services

Level 3 provides a comprehensive suite of MPLS-based VPN services that are designed to maximize value for you. Our VPN vision goes beyond the Layer 3 capabilities delivered in the Level 3[®] IP VPN service to include our Layer 2 Ethernet service: the Level 3[®] Virtual Private LAN Service (VPLS) offering.

Service Components

- One common, purpose-built, dedicated VPN core network infrastructure that delivers both Layer 2 and Layer 3 VPN services
- Any-to-any connectivity for maximum performance and value
- Application-based classes of service (CoS) with deterministic traffic handling
- Flexible bandwidth and CoS allocation per port
- Scalable solution for large WANs with speeds from DS-1 to GigE
- Private and secure solution — separate from the public Internet
- Multiple access technologies to maximize last-mile access utility

Features and Benefits

- Network-based Layer 3 IP VPN service provides any-to-any IP transport that enables WAN connectivity across an MPLS core network.
- Nationwide Layer 2 Ethernet WAN service combines the flexibility and control of a Layer 2 service with the reach and scalability of MPLS. Level 3 offers you control of routing management with full-mesh application support and a design for efficient network growth.
- Four Class of Service (CoS) levels with application-based CoS, determined either by VLAN ID assignment or dynamic class marking, allow you to prioritize traffic across access links and Level 3's MPLS backbone.
- IP routing flexibility — outsourced with the IP VPN or VPLS offerings — allow you to maintain control and security of your WAN routing because there is no need to exchange routing information with the carrier.

- Flexible access options with interworking are available with Frame Relay, ATM and Ethernet, allowing you to leverage the most cost-effective access technology available for each location.
- Flexible port and CoS bandwidth options start at 1 Mbps and go up to 1 Gbps.
- With WAN protocol support via Layer 2 service, any Layer 3 WAN protocol, such as IPv6, IPX, SNA or DECnet, can give you the freedom to leverage legacy, emerging or proprietary WAN services.
- Fast re-route capabilities — with under 50ms proactive re-route — offer SONET-like protection on a dedicated MPLS backbone.
- Web-based reporting tools are designed for ease of use.

For more information, contact us at: 1.877.2LEVEL3, email us at: info@level3.com, or visit: www.level3.com.