



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 IP VPN, VPLS, EVPL, and a suite of managed and security services, offers flexible solutions that deliver reliable service performance and scalability.

Level 3 MPLS/IP VPN Service

Designed for Performance, Security and Productivity

The Level 3[®] MPLS/IP VPN service delivers worldwide any-to-any connectivity over a variety of connection types. Our MPLS/IP VPN services provide the capabilities enterprises need to decrease network costs, deploy diversity options, and improve connectivity among geographically dispersed locations. The services further economies of scale by supporting converged services — voice, video and data — on a single local connection. By incorporating market-leading features, the Level 3 MPLS/IP VPN service is designed for privacy and security, while allowing you to view and manage application performance through our world-class portal.

Business Solutions

- **Service Where You Need It:** The MPLS/IP VPN offering is available in more than 60 countries and more than 500 global markets reaching North America, Europe, Asia, Middle East and Latin America, to accommodate your business expansion.
- **Buy What You Need:** Efficient and flexible options, such as multiple bandwidth increments and usage-based billing, allow customers to choose the right bandwidth and billing profile to balance application demands and budgets.
- **Security of an MPLS Architecture:** Our service leverages our global MPLS network to create private customer paths across the Level 3 backbone. Each customer is completely isolated from other customers' domains, resulting in a security level comparable to Layer 2 networks such as VPLS, ATM or Frame Relay.
- **Maximize Your Investment:** Maximum cost effectiveness can be realized from converged services. The Level 3[®] MPLS/IP VPN, Virtual Private LAN Service (VPLS), Ethernet Virtual Private Line (EVPL), Dedicated Internet Access (DIA), VoIP, Video, and Collaboration services are all available across a single access circuit and port.
- **Optimize Your Network:** Advanced performance, security and managed services help improve overall service efficiency, increase network scalability to meet changing business dynamics, and extend WAN security to enterprise locations and mobile users.

Technical Features / Capabilities

- Six class of service (CoS) levels can be dynamically combined and leveraged to prioritize network traffic and manage bandwidth to best meet your unique business needs.
- An optional usage-based billing model for greater flexibility makes MPLS/IP VPN the right choice for backup and disaster recovery implementations.
- Granular speeds and access options enable support of a wide range of interfaces, from T-1 through Gigabit Ethernet, including MLPPP or tiered ports to right-size your network.
- Multicasting allows you to better manage your bandwidth, resulting in a reduced load on the sending location.
- Standard end-to-end SLAs combine with the ability to view, measure and validate metrics including: availability, packet delivery, delay, and delay variation.
- The MPLS/IP VPN solution runs both IPv6 and legacy IPv4 on the same port and within the same VPN, so you can migrate to IPv6 at your own pace.

Performance, Security, and Managed Services

- Application Performance Management — Monitor and respond to end-to-end network and application metrics through a network probe on premises and reports in our uCommandSM portal.
- Level 3[®] Managed Router service — Provides turnkey management of WAN routers, including CPE fulfillment, installation, configuration, monitoring, maintenance and technical expertise.

- Level 3SM Managed Firewall service — Protect against unauthorized access by separating the VPN from external networks (Internet) when deployed as network-based solution; customer premises-based firewalls offer additional access protection among sites on the WAN.
- Level 3SM Secure Access capabilities — Extend our security to your enterprise sites or end-users' mobile devices around the globe. Our managed authentication ensures only approved users access the VPN, and encryption technology protects your data as it traverses the network end-to-end.

Why Choose Level 3 for MPLS/IP VPN service?

- A Trusted Provider You Can Rely On: Level 3 is a proven and trusted provider offering reliable services and responsive customer support
- A Leader in Technology: Level 3 owns and operates one of the largest, technology-leading fiber optic networks in the world. We co-authored the original standard used to define the MPLS protocol and deployed one of the first national MPLS networks
- Customer-Oriented Solutions: Our solutions provide performance across a comprehensive portfolio to give you a reliable one-stop resource that caters to your unique network needs.



ABOUT LEVEL 3

As a leading international provider of fiber-based communications services, we are dedicated to helping our customers keep pace with the demands of an increasingly networked world.

We couple a broad service portfolio with a scalable end-to-end network to deliver a set of solutions built for the 21st century.

To find out how Level 3 can be your single-provider solution for all of your business needs, contact us today:

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