



MPLS VPN

PRODUCT OVERVIEW

MPLS VPN services offer reliable, easy to deploy, cost-effective and seamless enterprise WAN communications for the agile world. Built on the world's largest privately owned undersea cable network, GCX offers high performance, scalable WAN connectivity to Enterprises that run critical business applications globally.

MPLS VPN provides secure, any-to-any connectivity between global sites, reducing lead times & resolving configuration issues involved in conventional point-to-point WAN connectivity. The service offers enterprises the flexibility to scale bandwidth at a site, add new sites and new applications, and to meet business challenges anywhere in the world.

Class of Services (CoS) feature enables a converged platform for data, voice and video traffic that offers preferential treatment to high priority traffic such as ERP applications, voice and video vis-à-vis best effort traffic such as emails.

BENEFITS

Robust and Reliable Service: High performance WAN that enables seamless connectivity between sites running business critical applications anywhere in the world, backed by extensive SLAs to guarantee performance

Presence: Connectivity options to over 160 countries in both the developed and developing world with a variety of access methods available, meaning there is the right connectivity option for all location types anywhere

Low Total Cost of Ownership: Cost-effective services with wide choice of access media – Leased line, Ethernet, xDSL and wireless connectivity options as well as a choice of MPLS or "Hybrid" Internet VPN, meaning connectivity can be matched to site criticality and budget

Scalability: Allows new sites and applications to be added quickly and easily regardless of location or geography, with additional services available to provide rapid deployment and connectivity

Stringent SLAs support: Service level guarantees offered on network performance

Security: Customer traffic carried over GCX Private network backbone with the inherent network-based security of MPLS VPN

KEY HIGHLIGHTS

- Full MPLS VPN coverage to major global destinations in 160 countries through GCX owned and partner networks, with direct reach through 90+ owned global IP POPs
- Highly resilient, scalable, and self-healing global IP network, overlay on own cable systems plus third-party subsea and terrestrial capacities
- Build-in transport and equipment level diversity for improved performance and extended reach
- Variety of access methods and technologies available including Ethernet (fiber & copper), SDH, xDSL, wireless, 3G/4G
- Fully QoS enabled network with MPLS traffic engineering for efficient 'routing'
- Optimally designed to meet stringent performance, service availability, security and scalability criteria of large carriers, content providers and enterprises for mission critical service requirements

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SOLUTION FEATURES

- **Technology:** MPLS implementation based on RFC 4364
 - **Agile Service Delivery:** Faster delivery timelines through robust process architecture and best in class delivery tools
 - **Class of Service:** 6 Classes of Services with best in industry SLAs for Voice over IP, Video Conferencing and Mission Critical traffic
 - **Bandwidth Scalability:** From 1 Mbps to 1 Gbps. Sub-E1 rates offered on case-to-case basis
 - **Access and Interface Options:**
 - **Leased line (SDH based)** – E1, T1 (G.703, V.35), DS3, STM1/STM4 optical
 - **Ethernet** – 10 Base TX, 100 Base TX (802.3) , 1000 Base SX/LX(802.3z)
 - **Wireless options** – 3G based access
 - **Point-to-point UBR access**
- Future proof with IPv4, IPv6, Multicast and multi-protocol support
- **Resilient and Robust network:** Ensures that network traffic is re-routed dynamically in case of core network failures
 - **Cost-effective Hybrid VPN:** IPSec based connectivity options for hard to reach countries

SERVICE FEATURES

- **End-to-end service** deployment & management through a dedicated, trained and qualified team, managing service offerings for customers
- **Service lifecycle** including:
 - Supply, installation, configuration
 - On-site maintenance
- Monthly **performance and service reporting** via dedicated reports and online portal
- **Flexible Pricing:** UBB (Usage Based) and Flat billing options available to suit varied customer requirements
- **Online portal** for network performance visibility, reporting and customer service

Built on the world's largest privately owned global MPLS/IP network, GCX offers high performance and scalable wan connectivity to enterprises that run critical business applications across a huge array of countries worldwide.

SERVICE COVERAGE

