



Global IP VPN



Keep it simple. You only need one Wide Area Network and one network provider, regardless of where your sites are located.

Your network shouldn't be complicated. That's why Telstra International offers an IP-based Virtual Private Network (VPN) that allows companies to connect locations easily and cost effectively. Telstra's extensive global networks enable it to deliver a truly global solution, with strong service levels, online reporting and a single point of contact for implementation, billing and support.

Benefits:

A managed and highly secure global service

Telstra offers over 1,400 IP VPN Points of Presence (PoPs) around the world, with particular strength in Asia. Delivered using Multi Protocol Label Switching (MPLS) technology, our IP VPN offers high levels of security not just in the core, but also in the network infrastructure, network management and operational levels. Telstra implements and fully tests the service during installation, and then monitors and manages the solution 24/7. As a result, our customers are better equipped to receive a high quality of service at all times. In addition, the service is one of the few IPVPN service providers in Asia to achieve ISO 27001 certification on its provisioning process, which formally certifies its compliance to the extensive explicit management controls under Information Security Management (ISMS).

A robust, flexible and fast network

Due to the dynamic routing capabilities of MPLS, Telstra's IP VPN service is inherently fault tolerant. All network traffic automatically travels via the shortest available route and is quickly re-routed in the event of a fault to maximise service uptime. Telstra provides low latencies between regions to support delay sensitive applications such as voice and video. Telstra operates one of the largest IP backbones in the Asia Pacific region, with dual PoPs for reliable performance.

Six Classes of Service to manage priority traffic

Telstra offers six Classes of Service (CoS) with its Global IP VPN service. This enables customers to easily segment traffic streams and prioritise the traffic that is most important to the business. Organisations that rely on key enterprise applications, such as customer relationship management (CRM) systems or Video Conferencing, can take advantage of the six CoS structure to give key traffic precedence over emails and web surfing, for example.

Cost effective for voice, video and data

Telstra's IP VPN solution enables organisations to use a single supplier and a single access point for voice, data and multimedia applications, which can help lead to substantially reduced costs. In addition, companies can choose from multiple access technologies including Ethernet, which helps make the service affordable for any size of site. In addition, the solution's large maximum transmission unit support optimises most encrypted traffic flow between sites.

Features summary:

National and international network coverage

Makes the Telstra IP VPN suitable for both multi-site and global organisations with network coverage across Asia, EMEA & the Americas.

Comprehensive access options

Allows sites to be connected to the IP VPN via a choice of technologies, from 64kbps to Gigabit Ethernet

Multicast options

Allows data to be transmitted from one to many locations at the same time, allowing you to utilise your existing bandwidth more effectively. Multicast comes with its own Classes of Service in addition to the six classes on IP VPN, enabling you to further prioritise important information

Online reporting tools

Allows customers to drill down to report on both network performance and bandwidth utilisation, including class of service detail

Resilient, robust network

Ensures that network traffic is re-routed dynamically in the event of a core network outage

Flexible addressing

Makes migration easier as businesses can continue to use their current LAN IP addressing scheme

Support for six Classes of Service including real-time traffic

Provides companies with the highest possible flexibility and scalability for Voice over IP, Video Conferencing and more

24x7 monitoring, management and support

Supports the performance and reliability of the global IP VPN network with ISO 27001 certification on its provisioning process.

A Telstra IP VPN can meet your needs today – and tomorrow

Telstra's IP VPN service is highly scalable and can be adapted flexibly to meet changing business requirements. Companies can easily connect additional sites to their IP VPN service over time, increasing the financial returns that they can gain from their initial investment in the telecommunications infrastructure. Telstra's network is fully capable of supporting voice and video communications, as well as other prioritised data, so companies that install an IP VPN will already have the infrastructure they need to introduce Voice over IP and Video Conferencing facilities at any point in the future.

In addition to the core features listed above, the Telstra IP VPN service can be delivered with a range of other options, including enhanced reporting services.

These optional features include:

- Allows interworking with sites on our Global VPLS
- Option to have your CPE remotely managed by our experts
- Supply Cisco Telepresence
- Hardware supply and management with same day or next day hardware replacement depending on location
- Cost effective internet access to all sites via the IP VPN
- Multicast capability to most IPVPN sites
- Encrypted IPsec VPN access for small remote sites via the internet
- Connectivity to servers in any Telstra data centre
- Dynamic load balancing, redundant local access and other resilience measures
- Voice over IP services including in-bound, out-bound and audio conferencing for selected locations