



# IP VPN



Keep it simple. You only need one wide area network and one network provider, regardless of where your sites are located.

Telecommunications shouldn't be complicated. That's why Telstra International offers an IP-based Virtual Private Network (VPN) that allows companies to connect more locations, more easily and more cost effectively than ever before. Through its partnership with other tier one carriers, Telstra delivers a truly global network, with guaranteed service levels, online reporting and a single point of contact for rollout, billing and support.

## Benefits:

### Full UK and global coverage

Telstra has an extensive network covering major cities in the UK and hundreds of locations around the world, with particular strength in Asia. However, through its well established partnerships with other tier one carriers, Telstra can build bespoke IP VPNs that extend its reach to almost every corner of the world. Delivered using Multi Protocol Label Switching (MPLS) technology, the service operates at the Open Systems Interconnection (OSI) model layer 3, so Telstra takes care of routing and security management.

### A robust, flexible and fast network

Because of the dynamic routing capabilities of MPLS, Telstra's IP VPN service is inherently fault tolerant. All network traffic automatically travels via the fastest possible connection and is quickly re-routed in the event of an outage in one circuit. As a result, Telstra can provide the lowest possible latencies between regions to support speed sensitive applications such as voice and video. In addition, companies can elect to use the most appropriate technology to connect their offices to their IP VPN, including Ethernet, making the service affordable for any size of site.

### Straightforward account management and billing

Regardless of how large your IP VPN becomes, you will only ever have one point of contact and one monthly bill. Telstra manages the entire network, including any part provided by other carriers, and provides its customers with access to a range of online usage and performance reports, covering the entire solution. Interconnection with other carriers is based on internationally recognised MPLS standards, which enables traffic to travel across different networks seamlessly and securely.

### Complete peace of mind

Telstra provides rigorous Service Level Agreements for all its IP VPN services to reassure customers that they will always experience a high quality of service. This guarantee is backed up by Telstra's specialist team of technical experts, who can answer questions and resolve issues around the clock.

## Features summary:

### • National and international network coverage

Makes the Telstra IP VPN suitable for both multi-site UK businesses and global organisations.

### • Multiple access options

Allows sites to be connected to the IP VPN via a choice of technologies, including DSL and high-speed Ethernet.

### • Online reporting tools

Allows customers to drill down to report on both network performance and bandwidth utilisation (even by application or class of service). Enhanced and premium options are available that provide even more detail.

### • Resilient, self healing 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.

### • 24/7 monitoring, managed routers and on-site engineer support

Guarantees the performance and reliability of the global IP VPN network.

## 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 and connectivity for partners.

### These optional features include:

- Hardware management with same day/next day hardware replacement
- Encrypted IPsec VPN access for small remote sites via the Internet
- Cost effective, aggregated Internet access to all sites via the IP VPN
- Connectivity to servers in the Telstra data centre
- Additional IP VPN sites and Classes of Service (CoS)
- Secure integration with an external company's network
- Dynamic load balancing, redundant local access and other resilience measures