

# IPVPN

Your network shouldn't be complicated. With Telstra's IP-based Virtual Private Network (IPVPN), you can connect locations easily and cost effectively, with the added advantage of strong service levels, online reporting and a single point of contact for ordering, implementation, billing and support.

## **What is IPVPN?**

Telstra's IPVPN enables you to connect your business sites easily and cost effectively. Our highly scalable networks reach into almost every corner of the world, enabling us to provide you with a truly global solution.

You can easily extend the network to meet your changing business requirements over time, increasing the financial returns from your initial investment. For example, the network is fully capable of supporting voice and video communications, as well as other prioritised data, so once you have the IPVPN installed, you'll also have the infrastructure you need to introduce Voice over IP or Collaboration Services at any point in the future.

## **Benefits**

### **Expertly managed and highly secure**

Delivered using Multi Protocol Label Switching (MPLS) technology, our IPVPN offers high levels of security not just in the core, but also in the network infrastructure, and network management and operational levels. In addition, the solution's large maximum transmission unit support optimises most encrypted traffic flow between sites.

Telstra implements and fully tests the service during installation, and then monitors and manages the solution 24/7. As a result, you can be confident of a high quality of service at all times.

For example, we're one of the few IPVPN service providers in Asia to achieve ISO 27001 certification for the provisioning of extensive explicit management controls under Information Security Management (ISMS).

### **Robust, flexible and fast**

With Telstra, you'll enjoy access to one of the largest IP backbones in the Asia Pacific region, with dual PoPs and diversely-routed trunking for top performance. Low latencies between regions support delaysensitive applications such as voice and video.

Due to the dynamic routing capabilities of MPLS, Telstra's IPVPN service is inherently fault tolerant too.

### **Six Classes of Service to manage priority traffic**

With six Classes of Service (CoS) available on the IPVPN service, you can easily segment traffic streams and prioritise the traffic that is most important to your business - for example, you could prioritise your Customer Relationship Management system over emails, or video conferencing over web surfing.

### **Cost effective for voice, video and data**

Flexible pricing options; Fixed Rate or Burstable Bandwidth. A choice of multiple access technologies, including Ethernet helps make the service affordable for any size of site. Using a single supplier and access point for all your voice, data and multimedia applications can also help substantially reduce your costs.

## Features

### Global network coverage

Telstra IPVPN is suitable for both multi-site and global organisations with network coverage across Asia, EMEA and the Americas.

Whether you need connectivity globally or in Australia, Telstra is able to provide you with one quote, order form, service schedule, delivery manager and service performance portal to meet your requirements across the globe.

### Service Access Points

Ranging from 64Kbps to 1Gbps that provides a suitable option to connect to.

### Resilient, robust network

Ensures network traffic to be re-routed dynamically in the event of a core network outage.

### Support for six Classes of Service including real-time traffic

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

### 24/7 monitoring, management and support

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

### Supports v4 and v6 (dual stack)

IPVPN site can support both IPv4 and IPv6 (Dual Stack).

### Supports 4-byte ASN

Supports 4-byte ASN for customers who has 4-byte ASN assigned.

### Online monitoring and reporting

Access to Performance reports for International and Domestic (Australia) service through respective portals that enables you to monitor your global traffic.

## More ways to connect

Telstra's IPVPN service can be delivered with a range of other options, including

- Option to supply and have your CPE remotely managed by our experts
- Dynamic load balancing, redundant local access, option of backup port for redundancy and other resilience measures
- Wide Suite of Local Access including Ethernet Dedicated Internet/DSL/FTTx for dynamic business needs
- Multicast capability to most IPVPN sites
- Encrypted IPsec VPN access for small remote sites via the Internet
- SSL VPN access to support enterprise mobility
- Interworking with sites on our VPLS
- Voice over IP services including in-bound, out-bound and audio conferencing for selected locations
- Connectivity to servers in any Telstra data centre
- Cloud Collaboration and Web Conferencing
- Single connectivity to Telstra's and public Cloud services

## Can your WAN keep up with your ambitions?

Enterprise wide area networks (WANs) are undergoing fundamental change, can your WAN still keep up with your ambitions?

With 30% to 50% of large enterprise traffic shifting to the cloud and global IP traffic tripling from 2016-2021\*, is your business ready to evolve your WAN and move towards as-a-service models or adoption of near real-time applications across the WAN?

Prioritise your network traffic route (SD-WAN), maintain network performance (IPVPN/Internet) with our **SD-WAN Connect!**

\* <http://www.velocloud.com/sd-wan-blog/top-sd-wan-trends/>

Contact your Telstra account representative for more details.

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