

A background image showing a globe with a network of white lines overlaid on it, set against a dark blue and green gradient background.

Customized Solutions  
Total Control

## Pacnet Global IP VPN NETWORK

**The emergence of MPLS, or Multi-Protocol Label Switching, as a mature and stable technology has revolutionized the corporate network. By adding labels to IP packets, the MPLS technical standard allows virtual private networks to be built inside shared IP environments. The labels help differentiate the traffic of one network from other traffic, ensuring privacy of information. At the same time, the labels define different performance parameters for each traffic type, enabling operators to engineer the most efficient traffic path and implement different quality of service levels to accommodate different types of applications.**

The ability to implement quality of service on IP networks also means that MPLS can now deliver the cost benefits and flexibility of a shared network environment, while providing the performance, reliability and data integrity of traditional connection-based private networking platforms.

For corporations, MPLS-powered IP VPNs offer a true path towards network convergence, allowing them to consolidate their video, voice, data and applications traffic onto a single network, reducing significantly the network management complexity, while enhancing operational efficiency and performance. IP's multi-path support also means that MPLS IP VPNs are fully meshed, offering any-to-any paths for robust fault-protection with the additional flexibility to easily add or remove sites to the network.

Pacnet is one of the pioneers of MPLS in Asia with a regional MPLS-TE (traffic-engineered) infrastructure. We were the first to bring to market an IP VPN service with powerful features, including 5 Class-of-Service subscription options and usage-based pricing and M-Flex (up to 10 Mbps access), the industry's first pay-as-you-go IP VPN offering. At the same time, we have leveraged the capabilities of MPLS to deploy a range of value-added services, including consolidated Internet Access, Remote IPSec Access, Secure Mobile Access and integrated voice services.

Pacnet Global IP VPN service extends to all key markets in Asia Pacific, the US, Europe and the rest of the world is available at speeds from Nx64kbps to Gigabit Ethernet. Pacnet Global IP VPN service is supported by experienced technical consultants and project management professionals following detailed migration plans and procedures.

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## TECHNICAL DESCRIPTION

### Service Features

Pacnet offers the region's most flexible IP VPN pricing scheme with five CoS, featuring QoS levels for applications ranging from latency sensitive voice and video, to low priority email and Internet access.

Class of Service	Ideal for	Fixed Rate Price Model	Volume Based Price Model	M-Flex Price Model	Burstable BW Price Model	SLA-Availability	SLA-Latency	SLA-Packet Loss	SLA-Jitter
<b>Diamond</b>	Voice Applications	○		○	○	○	○	○	○
<b>Platinum</b>	Real-time Video Conf. Applications	○		○	○	○	○	○	○
<b>Gold</b>	Data Applications	○		○	○	○	○	○	
<b>Silver</b>	Email/Web Surfing	○	○	○	○	○	○	○	
<b>Bronze</b>	Low Priority Applications/ Services	○	○	○	○	○			

### Connection Interface and Available Speeds

<b>Sub T1/E1</b>	• nx64 Kbps	<b>ATM OC-3</b>	• 155 Mbps
<b>T1</b>	• 1.5 Mbps	<b>SONET/SDH OC3c/STM1c</b>	• 155 Mbps
<b>E1</b>	• 2 Mbps	<b>SONET/SDH OC12c/STM4c</b>	• 622 Mbps
<b>DS3</b>	• 45 Mbps	<b>Gigabit Ethernet</b>	• 1 Gbps
<b>Fast Ethernet</b>	• 100 Mbps		

### Service Bundle Options

If you wish to explore Pacnet managing or housing your CPE, and/or Firewall, then ask your Pacnet representative about our Managed and Co-location services portfolio.

### Customer Network Management Tool

Customer Network Management Tool – Network Snapshot – As an option for our managed IP VPN service, Network Snapshot offers a password-protected, Web-based tool that allows you to gain access to real time traffic utilization, availability, traffic volume, latency, jitter, packet loss & MOS (Mean Opinion Score). Most statistics are available by CoS.

### Availability

Australia, China, Europe, Hong Kong, India, Indonesia, Japan, Korea, Malaysia, New Zealand, Philippines, Singapore, Taiwan, Thailand, United States, Vietnam and the rest of the world.

Note: All products are subject to availability. Please check with your Pacnet representative. Pacnet reserves the right to change product features and specifications without notice.