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# IP VPN MPLS

## IP VPN MPLS provides a flexible framework to support your voice and data requirements – all on the same dedicated network infrastructure.

Historically, voice and data applications have generally been managed on separate networks, however, the development of IP has enabled the convergence of disparate networks onto one platform.

Based on Internet Protocol (IP), Concert Networks IP VPN MPLS is a Virtual Private Network service which uses Multi-Protocol Label Switching (MPLS) technology to support voice and data applications over a single network infrastructure.

## Why IP VPN?

### Cost Effective

Through converging your voice and data onto a single network, network management and operating costs associated within running separate voice and data networks are reduced. This also creates the opportunity to minimise the costs associated with high volumes of inter-site telephone calls.

### Flexible

A comprehensive suite of access mechanisms and access speeds means that all of your business sites, regardless of size or location, can be easily integrated into a private network. Different levels of network management are also available to complement your existing in-house capability together with various security and resilience options.

### Scalable

Concert Networks IP VPN MPLS is a scalable solution which means that as your business evolves, IP VPN will develop with you.

New sites can easily be incorporated, without the additional cost of providing separate connections from the new site to all of the existing sites. Instead, underlying IP technology supports any to any connectivity.

This means that once the access circuit is in place, new sites are automatically connected to each and every other site on your network without the inconvenience and cost of upgrading an existing network mesh.

### Quality of Service

Traffic prioritisation techniques invoked on the customer edge router ensure that Quality of Service (QoS) can be maintained across the network from site to site according to the priority of the application. Using Class of Service (CoS), voice calls will not be delayed by business critical applications such as Citrix or SAP, which in turn can be prioritised over email traffic or file transfer traffic.

### Network Management

Concert Networks has made significant investment in network management systems to deliver the ultimate service in terms of proactive management. Our Customer Network Operation Centre (CNOC) acts as a virtual extension of your IT department, providing round the clock pro-active network monitoring, leaving your IT department free to concentrate on their core business activities.

### Reporting

Concert Networks offers a reporting capability that is second to none to ensure that your network will be constantly monitored and measured. Statistical information will be obtained directly from your network and will be reviewed at regular meetings to ensure you are getting the most from your IP VPN as your needs evolve.

### Future Proof

Concert Networks IP VPN MPLS is a future proofed solution that is constantly being developed to provide additional features and benefits to meet your network needs of today and tomorrow.

## Features and Benefits:

### Class of Service

- Six differentiated Classes of Service (CoS) mean that real time and delay sensitive traffic can be prioritised according to your individual business requirements.

### Service Level Guarantee

- The Service Level Guarantee provides guaranteed thresholds for each Class of Service. These thresholds are supported by service credits.

### Full range of access options

- Flexible access options include Ethernet, contended and uncontended ADSL for branch offices and teleworkers and remote dial access for people on the move.

### Multiple VPNs

- The ability to establish VPNs within a single VPN means that sensitive information can be shared securely between relevant sites.

### Extranet

- This allows you to provide business partners or your customers with restricted access to specific areas of your VPN so they can join in voice and video conferencing activities and review information together securely.

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