

MPLS IP-VIRTUAL PRIVATE NETWORKS

Reduce costs, increase flexibility and control management overheads by using a single network infrastructure for all your data, voice and video traffic

Overview

Many large and small enterprises are either planning to migrate to or are already deploying Voice over IP (VoIP) services. Multiprotocol Label Switching (MPLS) IP-VPN from Damovo is an ideal platform to carry IP voice, video and data traffic across a converged infrastructure. Benefits for businesses include reduced infrastructure costs as well as added flexibility and functionality.

In the UK, IP represents more than 90% of data traffic carried on Local Area Networks (LANs) with 70% of large UK companies having IP-based intranets. Damovo's MPLS IP-VPN service can carry all of this traffic seamlessly and efficiently between multiple national and international locations, without the need for protocol translation.

Benefits

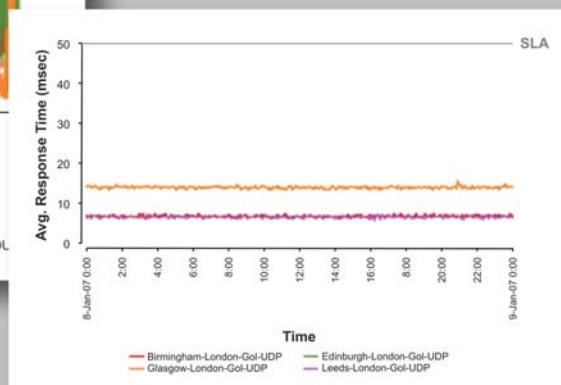
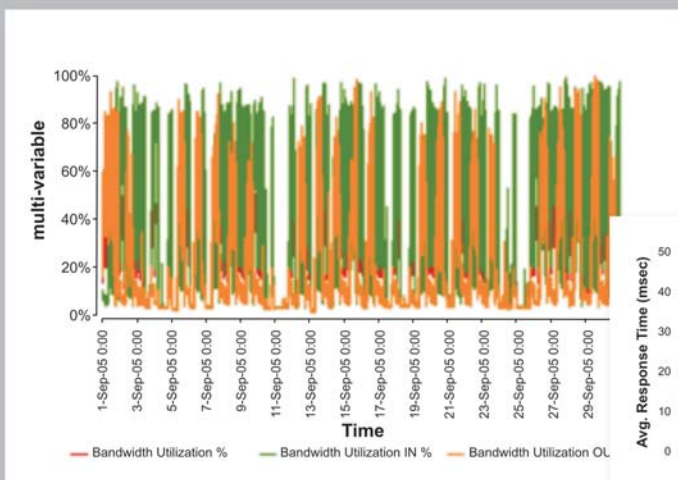
- Reduced costs, management overheads and increased flexibility via a single infrastructure
- Reduced implementation costs by using existing equipment (subject to compatibility)

- Reduced 'running' costs by using a single network infrastructure
- Reduced costs through multicast technologies – ideal for video conferencing or software delivery
- Improved flexibility by providing quick and easy upgrades without the need for physical changes
- Reduced management overhead by provision of reporting via Damovo's Client Web Portal
- Experts on-hand to ensure your network is configured to keep pace with changing business needs

Features

- Merges the flexibility, scalability and performance of IP networks with Quality of Service (QoS) and fast forwarding abilities associated with Asynchronous Transfer Mode (ATM)
- Provision of managed routers or, after checking compatibility, we can use your existing equipment
- Selectable bandwidths leaving room for quick and easy upgrades without the need for physical changes
- Simultaneous support for converged voice, video and data connectivity
- Range of access connection types and speeds
- Secure, private IP connectivity to multiple sites
- Transports data according to priority, providing fast sequenced transport to applications that need it
- Service Level Agreement (SLA) with performance guarantees

Statistics summarised as daily, weekly and monthly reports



- Capacity utilisation and availability statistics
- Comprehensive archiving of periodic reports
- 5-minute polling of service dimensions
- Intuitive network naming conventions used for client interfaces

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Classes of Service

Clients who deploy applications that require different levels of network performance benefit from four differentiated classes of service. We refer to these as Gold, Silver, Bronze and Standard. Traffic in each service class is forwarded in accordance with specified QoS metrics.

We provide you with all the help you need in determining which classes of service you need and how they should be used by each application. Typical usage might be:

Gold – suitable for real-time connectivity such as VoIP and video conferencing

Silver – ideal for delay-sensitive data such as terminal emulation and business-critical data

Bronze – perfect for lower priority data such as file and print services

Standard – great for email and web browsing

Mix and match access speeds

Your connections into the MPLS network can be via a range of access connection types at various bandwidths, dependent on the requirements of each location. The access connection types available include:

- ISDN/analogue dial-up access
- PAB (Private Access Broadband) connections providing 256Kbps upstream bandwidth and 512Kbps - 8Mbps Rate Adaptive downstream bandwidth
- Traditional leased circuit access with bandwidths ranging from 64Kbps to 155Mbps as standard
- Ethernet delivery at 10Mbps, 100Mbps and 1Gbps

You can also select bandwidth requirements for the various classes of service and need not 'fill' the whole access circuit, leaving room for quick and easy upgrades without the need for physical changes.

Available with or without managed routers

To provide you with the greatest flexibility we offer a choice of either managed routers or we can work with your existing equipment after establishing compatibility.

IP multicast support

Damovo provide state-of-the-art IP multicast capabilities within your MPLS IP-VPN. IP multicast is a bandwidth-conserving technology which reduces traffic by delivering a stream of information simultaneously to multiple sites. This significantly reduces the bandwidth used by applications such as video conferencing or software delivery, helping you to keep your costs down.

Configuring IP multicast is a complex process, but Damovo and its partners have extensive experience in this area and can produce a detailed design tailored to your needs.

Network performance reporting

'Performance Track' is an extranet-provided performance reporting system which provides you with information on how your network service is performing.

A comprehensive range of graphical and tabular reports is available, providing both daily and monthly statistics on variables such as bandwidth utilisation, availability and volume throughput. The standard Performance Track reports provide a monthly summary on these areas:

- Total network usage
- Network-edge to network-edge latency, packet loss and jitter for each QoS level
- Previous month's usage against historical usage
- Bandwidth utilisation
- Service availability

Part of the Damovo Managed ICT Services family

Within our Managed ICT Services portfolio we provide a range of business services including:

- Conferencing Services
- Directory Enquiry Service
- Business Recovery Services
- Operator Services
- Damovo Direct

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