

# SECURE SD-WAN

## PERFORMANCE-DRIVEN HYBRID NETWORKING

**MANAGING PRIVATE NETWORKS IS A TIME CONSUMING AND COMPLEX TASK, BUT CLEARLY A REQUIREMENT FOR ORGANISATIONS WANTING TO GUARANTEE APPLICATION PERFORMANCE TO THEIR EMPLOYEES AND CUSTOMERS.**

**COMMON HEADACHES INVOLVE MANAGING INDIVIDUAL NETWORK COMPONENTS WITH NO CENTRALISED PROVISIONING, LACK OF CONSISTENCY, LACK OF TRAFFIC VISIBILITY AND INTERNAL IT RESOURCE CONSTRAINTS. LET'S LOOK AT WHERE SD-WAN CAN HELP.**

### Dynamic Distribution of Traffic

Unlike traditional WAN architectures, new software-defined wide area networks (SD WANS) dynamically distribute traffic across multiple locations, whilst automatically responding to changing application policies.

### Deep Visibility

The technology offers deep visibility into applications, users, and threats. This helps administrators understand overall traffic patterns and more effectively manage and troubleshoot business-critical applications, as well as controlling non-business applications.

### Integrated Security

By using unified technology, Node4 combines next generation firewalling with routing control, so we only need a single device for each line.

### Application-Centric Performance Control

You can put your user application experience at the centre of your network management control by setting quality control on application traffic across the network. You can set priority so that routing adapts dynamically based on load and priority. Regardless of where the application is hosted you can ensure the best possible performance.

### KEY BENEFITS



Centralised network policy configuration and management.



Mix direct Internet and MPLS connections to drive cost and performance benefits.



Layer 7 application traffic visibility and performance control using quality of service features.



Localised security with next generation firewalling, allowing direct internet access for SaaS or Cloud based applications.

### Hybrid Connectivity

SD-WAN isn't a replacement for MPLS, but instead a technology that will sit alongside and support it. This gives the customer increased control over their application-level routing, so in essence, SD-WAN and MPLS are supporting each other, not competing.

Hybrid WAN is a fantastic way to combine existing networks with new functionality from SD-WAN. This includes adding direct internet access sites, adopting new sites that need legacy MPLS features, and creating hybrid sites that utilize direct broadband connectivity for cloud-based applications, as well as MPLS for enterprise applications, such as voice over IP. All centrally controlled, monitored and managed.

### Co-Management

Node4 provides management for all your connectivity needs, from designing and building, to implementation and support for LAN, WAN and Wi-Fi networks.

We offer a co-management option which involves our network team managing the infrastructure and connectivity for you, leaving you free to look after your application performance and quality of service. Plus, you can keep one eye on your network whenever you need to, with statistics, email updates and online monitoring views via our dashboard tool, with 24/7 support in a package that suits you. We also offer advanced captive portal for Wi-Fi - ideal for collecting marketing data.

### Rapid Deployment of Sites and Applications

SD-WAN centralised policy management allows you to roll out required application rules without editing each individual site device. This supports faster application roll-out. In addition, by installing a Node4 SD-WAN device into a site, with existing connectivity (regardless of whether it is MPLS or direct internet), you can join the site to your WAN and immediately provide all the visibility and control that the existing sites rely on.

## TECHNICAL EXPERTISE AND SUPPORT

### Expert Engineers

Our UK based team of accredited engineers are highly experienced in delivering complex network solutions.

### Flexible Support Packages

We provide friendly, flexible options for 24x7x365 service including access to reports and statistics.

### SLAs

Guaranteed network performance backed by rigorous Service Level Agreements.

## CONNECTMPLS ENTERPRISE CLASS PERFORMANCE

### Traffic segregation via VRF

Network traffic is separated using VRF configuration to secure data.

### Class of Service

Prioritise latency sensitive traffic such as voice and video applications across the entire network; right from the data centre to the desktop.

### Bespoke configuration

Our blend of IT applications is unique, so we can build and configure MPLS traffic profiles to suit our customers' environment.

### Resilient fibre network core

ConnectMPLS is delivered across our DWDM network core designed to provide continuous service availability through diverse routes.

## END-TO-END MANAGED SERVICES

### Professional Services

Rely on our experience and expertise to procure, configure and manage a highly available network infrastructure.

### Managed Hardware

We provide hardware as a service, including 24x7x365 break fix support and advanced same-day hardware replacement. We ensure the device is supported back to the manufacturer, allowing us to resolve any major security threats or bugs that may develop within the product's software.

## INTERNET AND NETWORK SECURITY

### Diverse internet breakout

Our network core is interconnected to multiple carriers at diverse PoPs, delivering uncontended, resilient Internet access, which protects internet traffic in the event of an outage.

### ISO 27001 information security

Our ISO 27001 Security Certification ensures we meet stringent control requirements to manage information security.

### Managed firewall

Using industry leading technology we can provide a flexible Managed Firewall service to protect against intrusion and data loss.

### VPN

Enable secure home-working and Disaster Recovery with 3rd party Internet connections at other locations.

	Broadband Solutions		Ethernet Solutions		
	Broadband	Fibre Broadband	Ethernet over FTTC	Ethernet in the First Mile	Fibre Leased Line
Target Time to Repair	2 Working Days (care packages available)	2 Working Days (care packages available)	7 Hours	7 Hours	5 Hours
Download Speed	Up to 24Mbps	Up to 80Mbps	Up to 20Mbps Burstable to 80Mbps	Up to 35Mbps	From 10Mbps - 10 Gbps
Upload Speed	Up to 2.5Mbps	Up to 20Mbps	Up to 15Mbps Burstable to 20Mbps	Up to 35Mbps	From 10Mbps - 10 Gbps