

Managed Software Defined WAN (SD-WAN)

Wide Area Networks (WANs) are traditionally used to connect branch offices and headquarters so sensitive documents and data can be securely circulated across an organisation. With the adoption of cloud, data centre consolidation and the use of bandwidth-intensive applications like videoconferencing, bandwidth usage is growing fast and your network may be struggling to support the evolving needs of your business.

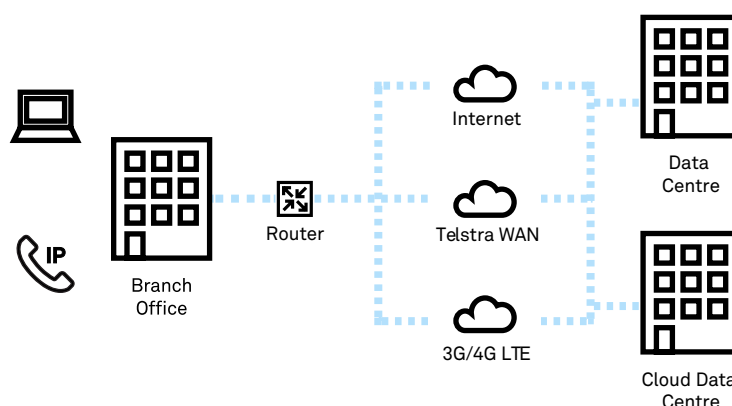
WANs can also be expensive due to high IPVPN bandwidth costs, and while these have dropped over recent years, corporate WAN budgets are not keeping pace. Meanwhile the Internet has emerged as a reliable and cost-efficient alternative.

Instead of relying solely on costly IPVPN bandwidth for your WAN traffic, it's time to help securely expand your WAN with Internet connectivity and dynamically route traffic for each business application.

What is Managed SD-WAN?

Managed SD-WAN brings together a range of different access technologies (such as IPVPN and Internet) as your WAN and uses software defined networking (SDN) to route traffic along the best available path. Your network can be tuned for peak performance so you can meet your business priorities more efficiently and cost-effectively.

Proposed as a fully managed service, Telstra provides a single point of responsibility for project management, detailed service design, ordering, provisioning, activation and maintenance of your network infrastructure and services. With our extensive global alliances, we provide smooth delivery of services in many places, including 24/7 proactive service management, helping to ensure that your applications run at peak performance.



Benefits

Use your network more efficiently

Managed SD-WAN can help reduce your overall WAN budget and network operating expenses by selectively using your IPVPN network for mission critical applications, and other access technologies for less significant traffic. Boost your WAN bandwidth and performance at less cost.

Improve application performance

Enterprise productivity applications are contributing to increased WAN bandwidth usage. Managed SD-WAN can extend the WAN into compatible public cloud infrastructure such as AWS and Microsoft Azure. It allows you to choose the most efficient channel for each application: mission-critical applications like voice and video can be delivered over IPVPN connections while important SaaS applications such as Office 365 can be delivered through the Internet to avoid network congestion.

Help reduce network downtime

Redundancy is key in a network environment to keep your business running. Managed SD-WAN enables you to dynamically route traffic to the next best performing path in the event of an outage, minimising disruption to your business. It can create more resilient branch operations and make redundancy simpler to manage.

Help protect your business from internet vulnerabilities

Private circuits have traditionally been deployed for corporate WANs due to security concerns. However as companies become dependent on the Internet as part of their SD-WAN, they are more open to its vulnerabilities. In response, Managed SD-WAN uses a combination of encryption and security tools to help turn your Internet connections into a secure virtual private network as part of your WAN.

Features

Transport agnostic

Managed SD-WAN allows WAN traffic to be securely distributed over most carrier service offerings, including IPVPN and broadband. This allows you to route your traffic through the most efficient channel without sacrificing application performance.

Enhanced secure connectivity

Security is essential when private WAN traffic is delivered through public channels such as the Internet. With Managed SD-WAN, strong encryption techniques and strict access controls are used to help protect your WAN traffic and communication with cloud applications, remote offices or data centres, over both the public Internet and private IPVPN circuits.

Application aware routing

Managed SD-WAN dynamically forwards data packets by looking at the application type, performance, policies and path status. By monitoring the network performance for jitter, packet loss and latency, you can tune the network for business-critical services, and applications can be sent over the best-performing path based on policies. Traffic is load balanced to maximise all available WAN bandwidth.

Central orchestration

Reduce complexity and achieve faster WAN deployment and management with centralised control. This feature also provides greater visibility (including application traffic, bandwidth usage and device statistics) into your network.

Telstra Managed Network Services

Managed SD-WAN is part of our Managed Network Services (MNS) portfolio. Designed to free you from the hassle of building and maintaining your network on your own, Telstra MNS give you freedom to focus on your core business while leveraging the latest network technologies.

Managed Network Services Tier	Premium
Supported SD-WAN Technology	VMware SD-WAN by VeloCloud, Cisco SD-WAN, Cisco Meraki
Network Commissioning	✓
24x7 Global Helpdesk	✓
Proactive Service Assurance	✓
IT Service Management <ul style="list-style-type: none"> - Connectivity and CPE restoration - Trouble shooting and MACD* 	✓ Telstra managed Telstra responsible
Web Based 24x7 Online Reporting Service	✓
Written Analysis Reporting	Optional
Professional Services	
Proof of Concepts	Project Management

* MACD: Move, add, change, delete

Can your WAN keep up with your ambitions?

Enterprise wide area networks (WANs) are undergoing fundamental change, did you know:

- Low-cost broadband is not a 'one size fits all' connectivity option?
- Enterprises are moving workloads to multiple clouds?
- Network managers should not just focus on cost savings or replacing a private network service (e.g., MPLS) for its own sake?
- Many customers expect to realise some cost savings, but SD-WAN's other benefits outweigh them?

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!

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