SD-WAN
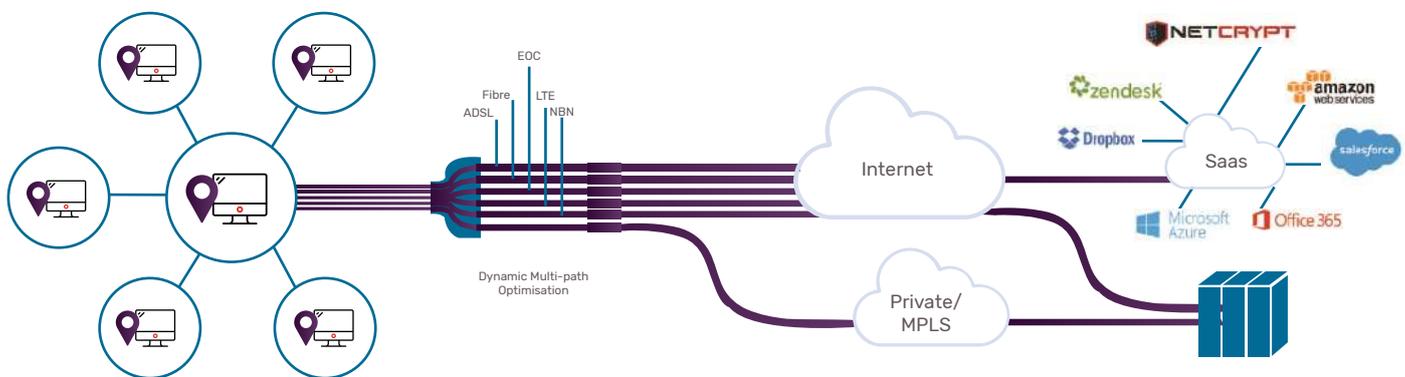# Benefits of Hosted Network SD-WAN

Why Hosted Network SD-WAN?

As more and more businesses move data and applications into the 'cloud', the need for faster and more resilient broadband connections grow. Yet the technology connecting to the Internet has not kept pace with the move to cloud based applications and services. Poor user experience like slow connectivity, connection failures and application suffocation happened unless significant investment is made in connectivity.

SD WAN solves the problem effectively and instantly. Just like adding additional lanes to a freeway, SD-WAN allows you to aggregate multiple connections together for faster speeds. Using SD-WAN, no matter how many lanes you have, applications only see a single connection which offers multi-line redundancy and is faster, more reliable and more intelligent that increases the productivity of businesses.

For more information, please contact our Sales Team:
E: sales@hostednetwork.net.au
P: 1300 781 148

Add speed to your SD-WAN to create stronger links with seamless failover

Our SD WAN's proprietary bonding technology is already in its 6th generation. It ensures maximised throughput, even from links with diverse speed and latency. You can even select different speeds accessed from your links, e.g. take a slower ADSL and marry that with the just the uplink capacity of a 4G connection to create a super-fast symmetrical link while saving on data costs. With our advanced bonding algorithms, we can maximise speed even in trouble-some sites or locations.

Super-Fast deployment

Roll out your SD-WAN with no delay

With its zero touch deployment feature. SD-WAN nodes can be activated on site or at a central location and sent to your remote location where the only effort required is plugging it in. Growing your network could not be easier or faster!

Reliability and stability

Dynamic packet management and failover

Hosted Network's SD-WAN offers one of the fastest levels of packets failover from failed connections. If your site access is of the highest priority and link redundancy is key but you need to ensure that should a line failure occur, it is unnoticed by all your applications no matter how sensitive they are. As a standard, we route packets off failed links in under 300ms. This will all be completely undetectable by all your applications. In addition, not all your broadband connections will perform the best all the time. Our intelligent link performance management tool monitors your links latency, packet loss and stability so as to dynamically adjusts the load on each link to maintain consistent low latency and ensuring application performance.

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Gateway options galore!

Multiple gateway options available

With our SD-WAN, you have the options (that can be changed at any time) to have a number of different internet access gateways:

- centralised, at a particular site;
- multiple sites; or
- you can even have your SD-WAN co-exist with your existing MPLS network and use that as its   Internet gateway (or not!).

 Our SD-WAN gateways are highly flexible to tailor your specific requirement.

Closely monitored!

Intelligent link performance management

Unfortunately, not all broadband connections perform their best all the time. Hosted Network's SD-WAN AI link management constantly monitors your links for latency spikes or increases as well as bidirectional packet loss. We then automatically manage the load we put on the link to ensure that latency is kept as low as possible to keep your online applications as responsive as possible.

Advanced routing

SD-WAN gives you otions

Hosted Network's SD-WAN gives you advanced control over your network with the ability to have VLANs configured on site, multiple subnets, DHCP servers with advanced options, TFTP server options in addition to routed blocks.

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Performance optimisation

Data compression and top acceleration

Hosted Network SD-WAN nodes all have two critical performance enhancing features:

- Compression - all compressible data can automatically be compressed for both uploads and downloads.

- TCP acceleration - extracting optimal performance from links even on congested services. This process can greatly enhance the accessible bandwidth from heavily loaded shared services.

Advanced security options

Multi-level security for you to choose from

Our SD-WAN gives you incredible security with packet level encryption from source to destination and back. We allow you to select various security options including HMAC Authentication, Encryption AES 128, AES 256 and SALSA20 ciphers all with customisable handshake intervals from every 60 seconds upwards. With in-transit data theft being so high, this gives you the highest level of data protection and security.