



JT SD-WAN

Product Description

JT's Software Defined Wide Area Network solution, (SD-WAN), is the evolution of our established Global Managed WAN Connectivity services. Utilising best of breed software, JT's SD-WAN offers secure and intelligent connectivity that meets today's business demands. Built on high availability architecture at geo-redundant sites, the solution supports both layer 4 and layer 7 security. Deployment to the customer site is most commonly via zero touch provisioning and we continually monitor and measure your WAN's performance, making intelligent routing decisions based on this performance data.



What is SD-WAN?

JT's SD-WAN utilises software to manage your data and applications securely across your WAN. The service enables the Internet, via dedicated IP circuits or broadband links, to form part of your network as a flexible alternative to standard WAN technologies such as private circuits. JT's SD-WAN can complement your current MPLS service offering a hybrid network of traditional and new technologies, providing additional security and features.

Flexible Transport

The service allows you to mix and match transport technologies seamlessly. No longer is your WAN limited to private circuits; IP feeds, MPLS, broadband and LTE are all compatible technologies. By integrating Internet services into your WAN, you can deploy new sites

quickly and easily or provide dual links to a single site more cost effectively. JT's SD-WAN allows you to prioritise your traffic depending upon whichever link is most suited. Bandwidth can dynamically scale up or down without having to replace or add additional proprietary hardware.

Security Built In

JT's SD-WAN is inherently secure; all WAN traffic is encrypted via IPsec tunnelling and a built-in stateful or Next Generation firewall can be delivered as per the licence purchased. An alternative is to use JT's SD-WAN ability to service chain. Service chaining provides the option to integrate third party Firewall Virtual Network Function (VNF) into the SD-WAN device. This enables customers to extend their existing Firewall solution and seamlessly run it on the SD-WAN edge devices.



Features

JT's SD-WAN is a feature rich solution that allows you to take advantage, not only of the latest security protocols, but also the ability to use many different transport mechanisms. Some of the key features include:

- **Secure, IP-based virtual overlay network**
- **Transport-independent underlay network**
- **Service assurance for each SD-WAN tunnel**
- **Application-driven packet forwarding**
- **High availability through multiple WAN links**
- **Policy-based packet forwarding**
- **Service automation through centralised management, control and orchestration**
- **Quick and easy to deploy new sites**

This above feature list is just a fraction of the full feature set available; your relationship manager and JT's Professional Services team will be able to provide you with more information.

Application Intelligence

Seamless, secure connectivity to multiple cloud services is one of the more prominent benefits of JT's SD-WAN.

Enterprises are deploying SD-WAN to enable secure, high-performing private and public cloud connectivity for branch offices, irrespective of the cloud platform, application and type of network transport. JT's SD-WAN can identify over 2800 specific applications and use that knowledge to apply a range of network and security policies to the traffic carrying them. This includes mapping applications to particular WAN connections, (e.g. core business applications to MPLS and consumer web traffic to broadband), application prioritisation, per application security policy and enforcement (e.g. blocking certain types of web content).

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