Software Defined WAN with Silver Peak

Silver Peak’s SD-WAN solution is a software-defined approach to managing the wide-area network. Key advantages include:

- Reducing costs of branch connectivity
- Transport independence across MPLS, VPLS, 3G/4G LTE, Internet, etc.
- Improving business application performance and increasing agility
- Optimising the user experience and efficiency for SaaS and public cloud applications
- Simplifying operations with automation and centralised management

What is Software Defined WAN?

The Legacy WAN:

The traditional WAN function was connecting users at the remote office (branch) or campus to trusted applications hosted on servers in the data centre. Typically, dedicated MPLS circuits or leased lines were used to help ensure security and reliable connectivity. This approach no longer works in a cloud-centric, cloud first world.

The New WAN:

New business models which are adopting the use of SaaS/IaaS applications in multiple clouds are driving the need for a new network model. There is a new kind of WAN to address these challenges: SD-WAN. Software-defined WAN is a new approach to network connectivity that lowers operational costs and improves resource usage for multisite deployments.

Network administrators can use bandwidth more efficiently and can help ensure the highest level of performance for critical applications without sacrificing security or data privacy.

What can SD-WAN help with?

- Migrating applications to the cloud
- Poor SaaS application performance
- Inconsistent VoIP & video quality
- Router support & maintenance costs
- Slow to deploy new branches
- CLI-based configuration & management
- Broadband relegated to failover only
- MPLS contract renewal time
- Migrating applications to the cloud
Supported Deployments

EdgeConnect appliances deployed at each site connected to the WAN network support both physical and virtual architectures. Appliances deployed as virtual machines support the private and public cloud platforms listed below:

**Supported Deployments**

**EdgeConnect Deployment Options**

<table>
<thead>
<tr>
<th>Private</th>
<th>Public</th>
<th>In-path</th>
<th>Orchestration</th>
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<tr>
<td>- VMware vSphere</td>
<td>- Microsoft Azure</td>
<td>- Layer 2 – bridged</td>
<td>- Private Cloud</td>
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<td>- Microsoft Hyper-V</td>
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<td>- Public Cloud</td>
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<td>- Citrix XenServer</td>
<td>- Oracle Cloud</td>
<td>- Out-of-path (on-a-stick / server)</td>
<td>- SaaS</td>
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<td>- Red Hat KVM</td>
<td>- Google Cloud</td>
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**Key SD-WAN benefits and features**

- **Performance**: Poor cloud app performance due to backhauling can be overcome. QoS and predictable application performance with HA & failover, including optional WAN optimisation.

- **Robust Security**: Partner integration with vendors such as Check Point and Palo Alto Networks. Built-in firewall, app whitelists, and encryption with centralised policy management.


- **Why Ultima and Silver Peak?**

Ultima are a Silver Peak Gold Partner, with a proven and extensive record in the supply, design and implementation of Enterprise level Network & Security solutions throughout many diverse and highly complex environments. We work with connectivity providers to compliment the SD-WAN offering or existing deployed solutions.

**Certified Experts**: Delivered by Silver Peak certified consultants to the top tier from our Network & Security practice. Specialising in network architecture and solutions.

**Hybrid Experience**: Ultima are experts in designing, developing, implementing & managing multi-vendor network & security solutions.

**Vision and Leadership**: Our architects & consultants are able to support strategic business imperatives & become a trusted technology advisor.