

# TENEO & SILVER PEAK UNITY EDGECONNECT SD-WAN

**SD-WAN is on most IT agendas. It's seen as a crucial step towards better network reliability, security and user experience in digital environments that involve heavy use of the Cloud, SaaS apps, collaboration tools and video.**

But despite the simplifications SD-WAN brings once up and running, the road to deployment isn't always straightforward.

That's why we've partnered with Silver Peak, to deliver your Silver Peak Unity EdgeConnect SD-WAN migration utilising our people, knowledge and expertise in SD-WAN design, global logistics, deployment and managed service.

A leader in the Gartner Magic Quadrant for WAN Edge Infrastructure, Silver Peak has thousands of customers worldwide and hundreds of production SD-WAN deployments.

Unlike other vendors, Silver Peak's Unity EdgeConnect combines high-performance SD-WAN, WAN optimisation, routing and a stateful firewall in one fully integrated solution.

This helps to dramatically reduce the cost and complexity of building a WAN, while enabling you to leverage broadband internet to connect users to applications, either augmenting or replacing your MPLS networks.

The result is that Silver Peak improves customer responsiveness, increases app performance, and significantly reduces capital and operational expenses by up to 90%.

## MORE ABOUT THE SILVER PEAK UNITY EDGECONNECT SOLUTION

The Silver Peak Unity EdgeConnect SD-WAN solution is made up of 3 components:

**1. Unity EdgeConnect physical or virtual appliances and associated licences**, deployed in branch offices to create a secure, virtual network overlay. This allows you to move to a broadband WAN at your own pace, whether site-by-site, or via a hybrid WAN approach that leverages MPLS and broadband internet connectivity.

EdgeConnect key features include:

- Zero-Touch Provisioning
- Tunnel Bonding
- Virtual WAN Overlays
- Dynamic Path Control (DPC)
- WAN Hardening
- Path Conditioning
- First-packet iQ™ Application Classification
- Local Internet Breakout
- Routing
- Cloud Intelligence
- Zone-based Firewall
- Service Chaining
- High Availability

**2. Unity Orchestrator**, included with the EdgeConnect solution, provides visibility into both legacy and cloud apps with the unique ability to centrally assign policies based on business intent to secure and control all WAN traffic. Policy automation speeds up and simplifies the deployment of multiple branch offices and enables consistent policies across applications.

Unity Orchestrator provides specific detail into WAN performance, including:

- Detailed reporting on application, location, and network statistics
- Continuous performance monitoring of throughput, loss, latency, jitter and packet ordering for all network paths
- Identification of all application traffic by name and location
- Alarms and alerts to visualise and prioritise software and hardware issues within the WAN, allowing for faster problem resolution
- Bandwidth cost savings report for documenting the cost savings of moving to broadband

## BENEFITS OF SILVER PEAK UNITY EDGECONNECT SD-WAN FROM TENEO

- Combined high-performance SD-WAN, WAN optimisation, routing and a stateful firewall in one fully integrated solution.
- Technical design & practical proof of concept to ensure a smooth, phased Silver Peak SD-WAN migration.
- Accelerate your Silver Peak SD-WAN time to value with our global logistics service.
- Ensure that your Silver Peak SD-WAN solution is installed and configured to Silver Peak's specifications with our specialist deployment service.
- Safeguard ongoing management of your Silver Peak Unity EdgeConnect solution and receive our best practice recommendations through our Silver Peak Managed Service.

**3. Unity Boost** is an optional performance pack that combines Silver Peak WAN optimisation technology with EdgeConnect to create a high-performance SD-WAN solution.

Boost allows you to accelerate performance of latency-sensitive apps, on an app by app basis, and minimise transmission of repetitive data across the WAN in a single, fully integrated SD-WAN solution.

Boost includes:

- **Latency Mitigation:** TCP and other protocol acceleration techniques are applied to all traffic, minimising the effects of latency on app performance and significantly improving app response times across the WAN.
- **Data Reduction:** Data compression and deduplication eliminates the repetitive transmission of duplicate data. Silver Peak software inspects WAN traffic at the byte-level and stores content in local data stores. Advanced finger-printing techniques recognise repetitive patterns for local delivery. Data Reduction can be applied to all IP-based protocols, including TCP and UDP.

With Unity Boost, you gain the flexibility to deploy enhanced WAN optimisation capabilities only where and when they're needed. Boost is licensed per-megabit-per-second, per-month, so you don't have to pay for WAN optimisation across your entire network.

## TENEO'S SILVER PEAK UNITY EDGECONNECT SERVICES

Teneo's services help you to quickly transform your network to a Silver Peak SD-WAN and minimise risk. We're a Silver Peak Authorised Deployment Partner through our Geode Networks subsidiary, which recognises our capability to manage all facets of design, deployment and management of Silver Peak Unity EdgeConnect.

We provide a more specialised Silver Peak SD-WAN service than the average partner, and act in a more agile way due to our size, experience, skillsets and global locations.

## DESIGN & PROOF OF CONCEPT

Pivotal to a successful Silver Peak SD-WAN deployment is the design process. To help you design your target Silver Peak SD-WAN, we start with an audit and review of your current network before defining the SD-WAN services and benefits you require.

We'll help you plan technically and practically to ensure a smooth, phased move to Silver Peak SD-WAN. We'll define all interim designs, plan how they're going to be implemented, put them through testing in a Proof of Concept and document exactly how everything will be achieved step by step. The documentation can be extremely detailed or high level, depending on what you'd like to see.

The more time spent planning at the design stage, the faster a Silver Peak SD-WAN migration tends to happen.

## GLOBAL LOGISTICS

Global logistics is one of our secret successes. After years of collaborating with customers on global projects, we've honed our international delivery knowledge and skills to enable us to successfully export goods to far flung countries by avoiding complicated processes wherever possible. We can therefore help you to accelerate your Silver Peak SD-WAN time to value by getting goods into country in the fastest and least complicated ways possible.

Some processes can be lengthy, but we're experts at following the steps that are required of us and involving you at the right stages. We can tell you whether we'll need to pre-inspect goods and therefore receive them at our offices first, or whether they can be shipped directly to site.

## DEPLOYMENT

We offer a specialist deployment service to make sure you get value from your Silver Peak SD-WAN in the minimum amount of time, ensuring availability is optimised and high levels of serviceability are achieved.

Our trained engineers ensure that your solution is installed and configured to Silver Peak's specifications. Because we'll have planned everything meticulously by this point, if anything goes wrong, we can always roll back to the previous step. At this stage, we bring together our methodology, experience, knowledge of Silver Peak SD-WAN, and everything we've learned in working with you.

Operating in 4 countries, the UK, France, USA and Australia, our reach is significantly extended, both technically and geographically by a range of partnerships with progressive technology companies. Our flexible delivery and deployment capabilities span 200+ countries and territories.

## MANAGED SERVICE

Our Silver Peak Managed Service is designed to help you to get the most value from your Silver Peak SD-WAN, faster. As well as the services above, we'll provide ongoing management of your Silver Peak Unity EdgeConnect solution along with our best practice advice and recommendations.

Our Silver Peak accredited engineers will continue to help match the latest Silver Peak's SD-WAN capabilities to your needs. This coupled with the insight we gain from monitoring and reporting on your infrastructure over time means we're well positioned to contribute to your future network architecture ideas, just as if we were part of your own team. We can also provide a Co-Managed Service, where we'll help you design, deploy and maintain your Silver Peak Unity EdgeConnect solution if you've purchased it elsewhere.

## NEXT STEPS

To find out more about Silver Peak Unity EdgeConnect and our accompanying services, please contact us at [info@teneo.net](mailto:info@teneo.net) or [www.teneo.net](http://www.teneo.net)

UK	France	USA	Australia	Contact details
Teneo Ltd 20/21 Theale Lakes Business Park Moulden Way Sulhamstead RG7 4GB	Teneo France S.A.S. 65 Rue Des Trois Fontanot 92000 NANTERRE	Teneo Inc. 44330 Mercure Circle Suite 260 Dulles VA 20166	Teneo Australia Pty Ltd Level 20, Tower 2 Darling Park 201 Sussex Street Sydney, NSW 2000	W. <a href="http://www.teneo.net">www.teneo.net</a> E. <a href="mailto:info@teneo.net">info@teneo.net</a>
T: +44 118 983 8600 F: +44 118 983 8633	T: +33 1 55 51 30 38	T: +1 703 212 3220 F: +1 703 996 1118	T: +61 2 8038 5021 F: +61 2 9012 0683	