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SILVER PEAK UNITY EDGECONNECT SD-WAN & PALO ALTO NETWORKS GLOBALPROTECT CLOUD SERVICE

Silver Peak Unity EdgeConnect SD-WAN provides much greater flexibility to connect users to applications using broadband internet and other forms of transport.

In addition, to access the cloud, branch traffic no longer needs to be routed through the traditional core network architecture. But questions remain about where to place the security and how much security is necessary for specific use cases.

Traditional security measures involve placing a full stack of network security appliances either at the branch or in the data centre at the internet perimeter.

These approaches have the obvious downsides of added latency if backhauling to the data centre, or high cost if replicating the full security stack in hardware at the remote branch.

On top of that, having to make hardware

changes to a security stack means limited agility when trying to respond to ever-changing business requirements.

Since Silver Peak specialises in SD-WAN, they desired the security capabilities of a Next-Generation Firewall but didn't want to sacrifice cost or agility.

With the advent of recently introduced cloud-based security options from Palo Alto Networks, new possibilities have emerged, but Palo Alto Networks equally desired a partnership with an SD-WAN vendor that could better facilitate transport to their new service.

For these reasons, Palo Alto Networks and Silver Peak have partnered to provide security that protects like a full security stack but is located in the cloud.

They've integrated the Silver Peak Unity EdgeConnect SD-WAN solution and Palo Alto Networks Global Protect Cloud Service, and Teneo is here to ensure it all works seamlessly.

INTEGRATION BENEFITS

- Easily deploy new branch locations and a powerful Next-Generation Firewall in minutes, without disrupting current infrastructure.
- Improve performance of SaaS apps and the cloud by selectively avoiding backhauling to the data centre and instead leveraging secure direct-to-internet (DIA) from the branch.
- Avoid having to compromise on security when going direct-to-internet (DIA) in remote locations.
- Get strong, enterprise-grade network security at branch offices without the complexity and high cost of on-premises security appliances.
- Establish consistent enforcement of security policy at all your locations.
- Reduce complexity by reducing your branch footprint and leveraging the power of central management for both your WAN and security.

GLOBALPROTECT CLOUD SERVICE

Palo Alto Networks' GlobalProtect Cloud Service provides a powerful, cloud-based Next-Generation Firewall environment that leverages the dynamics of Silver Peak's SD-WAN solution to stop threats and safely enable access to internal and cloud-based apps.

GlobalProtect Cloud Service inspects all traffic using Palo Alto Networks Next-Generation Firewalls that are deployed as internet gateways. Regional protection can be easily set up for the Silver Peak SD-WAN fabric, especially with the help of Teneo's Palo Alto Networks and Silver Peak certified engineers.

Silver Peak Unity EdgeConnect SD-WAN devices at the branch establish IPsec tunnels to the GlobalProtect Cloud Service for security policy enforcement based on application, user, content and host information. This helps to maintain granular control and ensures the correct level of access is provided based on business needs.

GlobalProtect Cloud Service can automatically adapt to changing conditions by dynamically adjusting the number of cloud-based internet gateway firewalls that are available.

The service is seamless to users, no matter how they connect, where they connect from, or the application they're trying to access. The security will scale and adapt to their needs without them ever being aware it's there.

SECURE ACCESS TO SAAS APPS

Silver Peak Unity EdgeConnect SD-WAN can help to accelerate the adoption of SaaS apps.

However, key security issues associated with SaaS apps include making sure sanctioned apps are used appropriately, allowing tolerated apps only when protections are in place to stop threat vectors, and enforcing policies to control access to unsanctioned apps.

GlobalProtect Cloud Service acts as the central point to maintain visibility into cloud apps, stop malicious content, and enforce security policies for access control.

Palo Alto Networks Aperture, available as an addition to GlobalProtect Cloud Service, provides granular enforcement across all user, folder, and file activity within sanctioned SaaS apps, producing detailed usage analysis and analytics.

GETTING STARTED

As an experienced and certified partner of both Silver Peak and Palo Alto Networks, Teneo has architected the Silver Peak Unity EdgeConnect and Palo Alto Networks GlobalProtect Cloud Service solution in our SD-WAN lab environment so you can see the integration in action. We'd be happy to demonstrate to you and your team how this solution works in practice.

The topics of cloud and SaaS security are covered at length in our SD-WAN Workshop. Please get in touch if you'd like to schedule a workshop with us.

The Palo Alto Networks GlobalProtect Cloud Service integration will be architected specifically for your Silver Peak Unity EdgeConnect SD-WAN environment by Teneo during the design phase of your SD-WAN migration.

To discuss this integration further, please contact us at info@teneo.net or via our website at www.teneo.net.

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