

CHECK POINT + SILVER PEAK SECURING THE INTERNET FOR SD-WAN

Benefits

- Extend Check Point security end-to-end across the SD-WAN. Enable secure hosting of services from behind the Check Point branch DMZ
- Flexible service chaining enables association of SD-WAN traffic policy to security policy
- Purely virtual deployment model enables no incremental hardware capex
- SD-WAN IPsec tunnels utilize industry standard AES-256 encryption to ensure the security of data in flight
- NIST FIPS 140-2 compliant for comprehensive encryption

INSIGHTS

The rapid adoption of SaaS applications is prompting network administrators to reevaluate their enterprise WAN infrastructure and services. As the traffic pattern on enterprise WAN's shifts from branch-to-hub to branch-to-Internet, the hub-and-spoke topology associated with legacy MPLS IP VPN's becomes an increasingly poor fit for the business. Compounding this tectonic shift, the cost per-bit of MPLS is generally about 10x the cost of broadband Internet service. SD-WAN solutions enable enterprise WAN networks to be built using Internet service (along with MPLS) as the underlying transport. Beyond the cost savings due to low-cost bandwidth, broadband services also offer the promise of directly connecting branch office workers to SaaS services.

In conjunction to these benefits, significantly new security risks and cyber threats arise from the direct connection of branch locations to the Internet. These security risks are particularly challenging to manage across a distributed enterprise. The Check Point and Silver Peak joint solution mitigates exposure to these risks by enabling customers to deploy Check Point's industry leading security prevention products to secure the SD-WAN, using a variety of topologies and deployment modes.

JOINT SOLUTION

Check Point and Silver Peak have jointly validated a solution which combines Check Point Next-Generation Threat Prevention Platform with the Silver Peak Unity EdgeConnect SD-WAN solution. This joint solution enables customers to deploy SD-WAN networks that integrate Check Point's best-in-class network security throughout the SD-WAN. Supported architectures include both direct handoff of traffic to the public Internet, and backhauling of Internet traffic over Silver Peak SD-WAN tunnels to central/hub locations for handoff to the Check Point Security Threat Prevention Platform. Silver Peak and Check Point both support the installations of physical and virtual appliances, providing customers with the flexibility to architect the deployment model that best aligns with their requirements. The virtual deployment model enables customers to move to this joint solution using off-the-shelf server resources, requiring no incremental capital investment for a specialized hardware appliance.

The security and micro-segmentation features of this joint solution enable customers to deliver robust end-to-end security across the enterprise network. All data transmitted across the SD-WAN is fully encrypted using NIST recommended cryptographic algorithms and security protocols. In the data path, EdgeConnect virtual WAN overlay tunnels are established using IPsec with 256-bit AES encryption. In the management plane, both products can use Transport Layer Security (TLS) for management communication.

A BETTER APPROACH TO BUILDING SECURE ENTERPRISE WAN'S

The Check Point and Silver Peak joint solution enables network administrators to deploy highly secure, cost effective enterprise WAN's built on any combination of MPLS, Internet or other network access. The solution scales to thousands of branch locations, is enterprise ready, and supports a wide array of logical network topologies, traffic, and security policies.

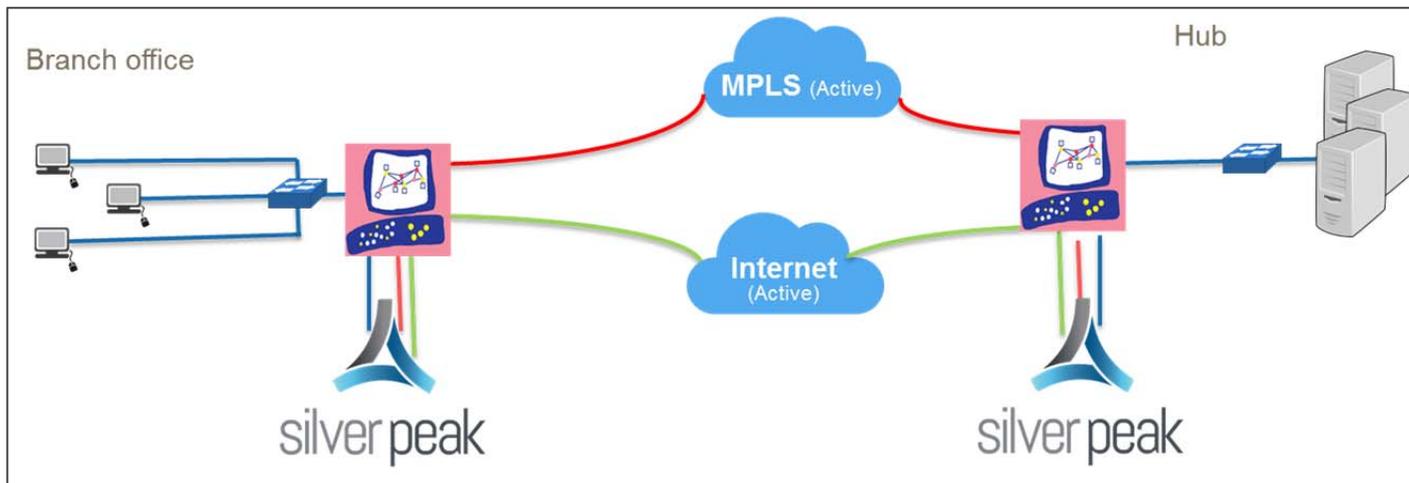


Figure 1: Check Point & Silver Peak joint solution

ABOUT CHECK POINT

Check Point Software Technologies Ltd. (www.checkpoint.com) is the largest network cyber security vendor globally, providing industry-leading solutions and protecting customers from cyberattacks with an unmatched catch rate of malware and other types of threats. Check Point offers a complete security architecture defending enterprises – from networks to mobile devices – in addition to the most comprehensive and intuitive security management. Check Point protects over 100,000 organizations of all sizes.

ABOUT SILVER PEAK

Silver Peak is the global leader in broadband and hybrid WAN solutions. Silver Peak offers a high-performance SD-WAN solution that provides secure and reliable virtual overlays to connect users to applications with the flexibility to use any combination of underlying transport without compromising application performance. This results in greater business agility and lower costs. More than 2,275 globally distributed enterprises have deployed Silver Peak broadband and hybrid WAN solutions across 80 countries. Learn more at www.silver-peak.com.

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