CHECK POINT + SILVER PEAK SD-WAN
OPTIMIZE ENTERPRISE SD-WAN SECURITY

Closing Branch Security Gaps Enable Gen V Cyber Security

CLOUD-FIRST CHALLENGES

- Cloud Application Performance: Backhauling cloud-destined traffic to the corporate data center impairs application performance

- Security Service Chaining: Manual configuration is complex, cumbersome, inconsistent and time consuming

- Maintaining Current Application and Security Definitions: Without daily application and security updates, the enterprise is exposed to vulnerabilities

SOLUTION BENEFITS

- Highest Quality of Experience: Secure local internet breakout from the branch delivers highest cloud application performance to users

- Automation Enhances Business Agility: Automated configuration of Harmony Connect accelerates SD-WAN security service deployments

- Consistent App QoS and Security Policy Enforcement: Automated daily threat and application updates ensure continuous, consistent policy enforcement across the enterprise

Enterprises continue the migration of business-critical applications, workloads and services out of the corporate data center and into the cloud at an accelerating pace. Savings in both CapEx and OpEx costs along with the architectural advantages of hosting corporate applications in a secure, highly-available public infrastructure, accessible to users from any device with Internet connectivity are key factors driving this change.

Internet-bound traffic that was sent from the branch over expensive MPLS networks to the data center could be processed through a full stack of security services before being passed on to the Internet. But MPLS lines are costly and apps and workloads residing in the cloud experience the best performance when traffic is sent directly to the Internet from the branch, an architecture commonly referred to as local Internet breakout. However, this type of direct branch access to the Internet increases the attack surface and lacks robust security policy enforcement.

A new approach that more intelligently optimizes branch Wide Area Networking (WAN) connectivity, is cost-effective, is easy to maintain and is always up to date with the latest security is needed. It's time to rethink WAN architecture and how security is delivered to remote branch offices.

CHECK POINT SILVER PEAK SD-WAN SOLUTION

Check Point and Silver Peak have partnered to create a joint solution which addresses the network security challenges inherent to a cloud-first architecture. The solution enables flexible, automated service chaining from the Silver Peak Unity EdgeConnect™ SD-WAN edge platform to Check Point Harmony Connect cloud-hosted security service.

The initial configuration of automated service chaining is centrally managed. Application security policies are defined once and programmed to all sites in contrast to the branch firewall security model requiring device-by-device management. Centralized management not only reduces the time to deploy and IT resource costs but also provides more consistent policies, reducing risk across the enterprise.

CHECK POINT ADVANCED THREAT PREVENTION

Check Point provides organizations of all sizes with integrated, advanced threat prevention, reducing complexity and lowering the total cost of ownership. Check Point protects SaaS, IaaS and now branch office assets from sophisticated threats with dynamic scalability, intelligent provisioning and consistent control across physical and virtual networks.

Unlike other solutions that only detect threats, Check Point also prevents threats. Check Point SandBlast Zero-Day Protection is a cloud-hosted sandboxing technology where files are quickly quarantined and inspected, running in a virtual sandbox to discover malicious behavior before it enters your network. Malware is detected during the exploit phase, even before hackers can apply evasion techniques attempting to bypass the sandbox. This innovative solution combines cloud-hosted CPU-level inspection and OS-level sandboxing to prevent infection from the most dangerous exploits, and zero-day and targeted attacks.

The Check Point solution also includes Application Control and URL Filtering to enforce safe web use. IPS, Anti-Bot and Antivirus protect from known threats. HTTPS inspection safeguards from threats trying to hide inside encrypted HTTPS channels. Furthermore, Check Point is a fully consolidated and connected cyber security architecture protecting on premises, cloud and branch networks as well as endpoint and mobile devices from advanced persistent threats. Threats identified on one device can be automatically propagated as an IoC (Indicator of Compromise) to protect your branch, mobile and cloud-hosted assets from the same zero-day threat.

THE CLOUD-HOSTED SECURITY ADVANTAGE

Harmony Connect doesn't burden IT with deploying or maintaining dedicated hardware and supports adding advanced threat prevention capabilities on top of existing Silver Peak SD-WAN deployments. With a simple and easy setup process, network traffic from EdgeConnect SD-WAN edge devices is connected over an IPsec tunnel to a primary cloud network security service close to branch locations to minimize latency. A second connection provides redundancy.
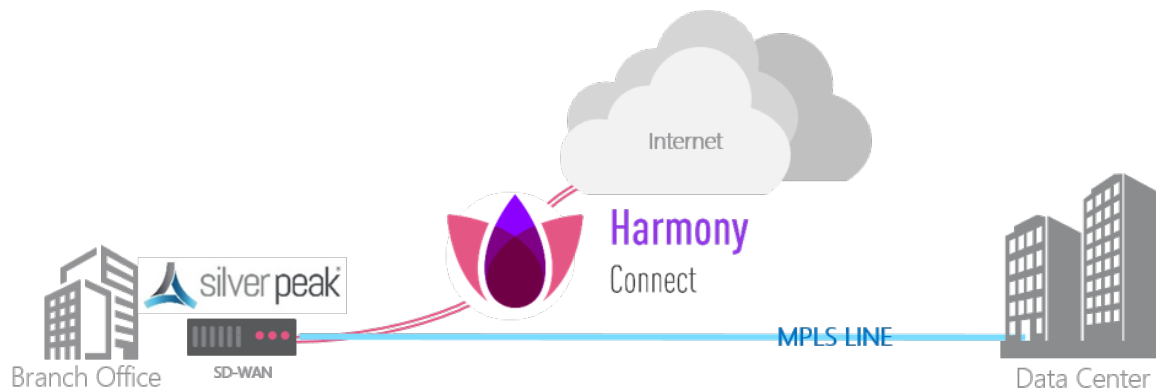
Secure Silver Peak SD-WAN Internet Connections with Harmony Connect

With cloud-hosted security, hardware, software and security updates are completely transparent, providing maintenance-free security for hundreds and thousands of physical devices, reducing your overall CAPEX and OPEX costs. Simplified central management provides an intuitive, simple on-boarding process, security policy configuration and monitoring. Powered by Check Point SmartEvent, IT can see the most important threats with a single view across the entire infrastructure. Respond to security incidents immediately, reducing the time spent remediating incidents.

About Check Point

Check Point Software Technologies is a leading provider of cyber security solutions to governments and corporate enterprises globally. Its solutions protect customers from cyber-attacks with an industry leading catch rate of malware, ransomware and other types of attacks. Check Point offers a multilevel security architecture that defends enterprises' cloud, network and mobile device held information, plus the most comprehensive and intuitive one point of control security management system. Check Point protects over 100,000 organizations of all sizes.

About Silver Peak

Silver Peak, the global SD-WAN leader, delivers the transformational promise of the cloud with a business-first networking model. The Unity EdgeConnect™ self-driving wide area network platform liberates enterprises from conventional WAN approaches to transform the network from a constraint to a business accelerant. Thousands of globally distributed enterprises have deployed Silver Peak WAN solutions across 100 countries. For more information, visit silver-peak.com.