



Check Point Extreme Networks Secure SD-WAN

Network security challenges are evolving along with business priorities. Digital transformation continues to accelerate the migration of business-critical applications out of the data center and into the cloud creating efficiency but also new security challenges. Routing all IaaS and SaaS-bound traffic through an enterprise firewall at the data center facilitates centralized control but can affect end user experience. Direct breakout to the internet can lead to new security and compliance issues with increased management overhead. To keep pace, WAN security must become more comprehensive, more granular, and much simpler, all at the same time.

ENHANCED WAN SECURITY WITH EDGESENTRY

EdgeSentry, a fully integrated advanced WAN security solution that unifies networking and security operations through a simple-to-use management platform. This solution provides an extra layer of essential capabilities to those built into ExtremeCloud SD-WAN. Together ExtremeCloud SD-WAN and Check Point ensure the performance and security of enterprise and cloud applications over the Internet and hybrid-WAN while dramatically simplifying deployments and reducing costs.

ExtremeCloud™ EdgeSentry delivers the benefits of SD-WAN, while reducing risk, simplifying operations, and improving productivity with Unified Management, Fabric to the Edge, and best-in-class Application Performance Management capabilities as a cost-effective OPEX subscription. Security is fully integrated into the SD-WAN solution, reducing complexity, and protecting users, applications, and data from threats.

Solution Components

ExtremeCloud SD-WAN enables automated application discovery and visibility of more than 5,000 applications, including custom apps, reducing the risk of shadow IT. Application performance control enables organizations to deprioritize shadow IT application traffic without turning off access entirely. Application visibility across data center, campus, and branch helps identify incorrect access or intrusion. Maintenance-free cloud on-ramps simplify cloud migration and secure access to IaaS applications. No VNF is required for the on-ramp reducing a potential attack surface in the cloud.

CLOUD-NATIVE SD-WAN ORCHESTRATOR

Simplify and transform your WAN

- Configure and set Orchestrator Policies for SD-WAN appliances, topology, security profiles, cloud on-ramps, and end-to-end Quality of Experience (QoE).
- Applications Anywhere simplifies and accelerates digital transformation. Policy-based access to SaaS applications directly from branches improves productivity and efficiency. Maintenance free cloud on-ramps reduces the complexity of cloud migration by eliminating the need to provision and maintain VNFs.
- Site-to-data center-to-iaaS connectivity over any WAN transport enables flexible, secure overlay topologies.

Built-in SD-WAN Security and Segmentation

- Reduce security complexity and risk with a fully integrated WAN security solution that provides additional essential capabilities for connecting SD-WAN-enabled branches to the web in a secure and controlled manner.
- EdgeSentry offers SWG (Secure Web Gateway), firewall as a service (FWaaS) and a cloud access security broker (CASB) to protect users from malicious web traffic, vulnerable websites, viruses, malware, and other cyber threats all provisioned and managed through the ExtremeCloud SD-WAN orchestrator.

EDGENTRY INTEGRATED ADVANCED THREAT PREVENTION

EdgeSentry adds an additional layer of protection for SaaS, IaaS and branch office assets running ExtremeCloud SD-WAN with dynamic scalable, intelligent provisioning and consistent control across physical and virtual networks.

Unlike other solutions that only detect threats, EdgeSentry also prevents threats. The solution leverages Check Point SandBlast Zero-Day Protection, a cloud-based sandboxing technology where files are quickly quarantined and inspected, running in a virtual sandbox to discover malicious behavior before they enter branch office networks. SandBlast detects malware at the exploit phase, even before hackers can apply evasion techniques attempting to bypass the sandbox. This innovative solution combines cloud-based CPU-level inspection and OS-level sandboxing to prevent infection from the most dangerous exploits, and zero-day and targeted attacks.

The EdgeSentry solution also includes IPS, Ant-Bot, and Antivirus to protect from known threats, Application Control and URL Filtering to enforce safe web use, and HTTPS inspection to prevent threats inside encrypted HTTPS channels. Furthermore, EdgeSentry takes advantage of the 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 branch, mobile and cloud-based assets from the same zero-day threat.

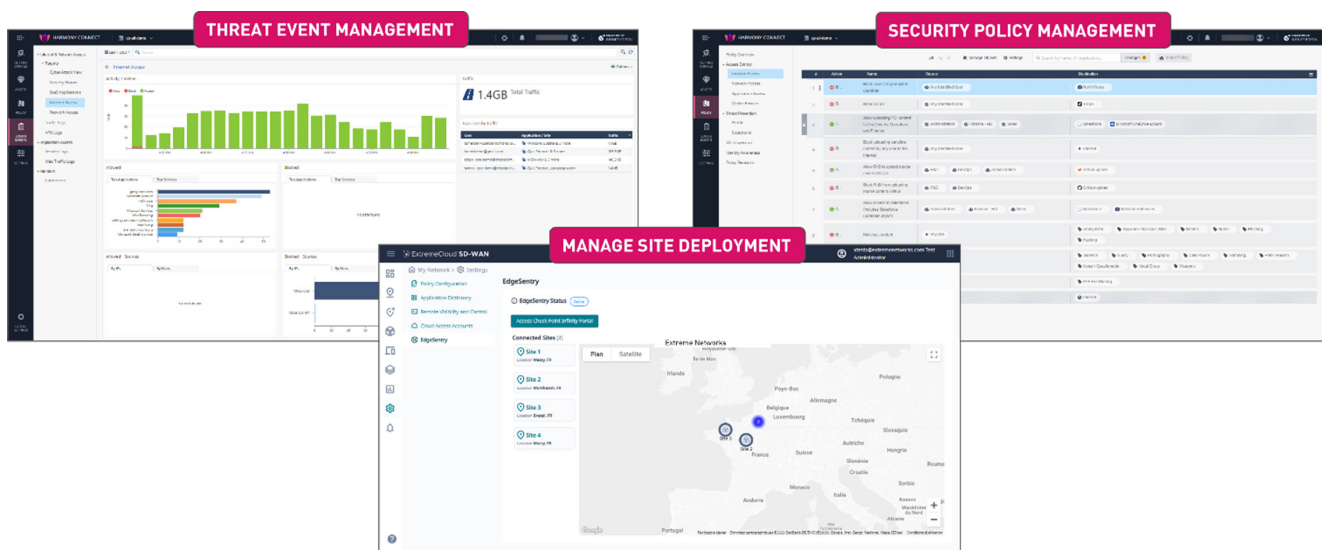
Cloud Delivered Network Security For SD-Wan

Large organizations with thousands of small, geographically dispersed remote offices are faced with the challenge of securing their corporate network from attacks and monitoring/managing these offices in a simplified manner. They need to provide the same level of protection across all offices irrespective of whether they are inside or outside the confines of the corporate network perimeter.

Branches and remote offices of an organization can benefit from the optimized connectivity offered by ExtremeCloud SD-WAN from the remote site all the way to the cloud. ExtremeCloud SD-WAN connects remote offices directly to EdgeSentry™, where they are able to leverage advanced threat prevention as a cloud-hosted service, protecting the network and their users from known and unknown threats. Network administrators can easily monitor and manage these sites centrally with Extreme Networks orchestrator and analytics.

Dual IPsec connections provide redundancy. With cloud-hosted security, hardware or software updates are completely transparent, providing maintenance-free security for hundreds and thousands of physical devices, reducing overall CAPEX and OPEX costs.

Provisioned and managed through ExtremeCloud SD-WAN orchestrator, this integrated solution provides a centralized, simple on-boarding process, security policy configuration and monitoring. Take control of security events with real-time forensic and event investigation, compliance and reporting. Respond to security incidents immediately, reducing the time spent remediating incidents.



Manage your Network and Security from any Browser

Summary

Together, the integrated SD-WAN and advanced Threat Prevention platform provides secure and optimized WAN connectivity over Internet links and WAN connections. By dramatically simplifying deployments and reducing costs, Extreme EdgeSentry, powered by Check Point, provides enterprises with an affordable remote branch office security solution.

About Check Point

Check Point Software Technologies Ltd. (CHKP) is a leading provider of cyber security solutions to corporate enterprises and governments globally. Check Point Infinity's portfolio of solutions protects enterprises and public organizations from 5th generation cyber-attacks with an industry leading catch rate of malware, ransomware, and other threats. Infinity comprises three core pillars delivering uncompromised security and generation V threat prevention across enterprise environments: Check Point Harmony, for remote users; Check Point CloudGuard, to automatically secure clouds; and Check Point Quantum, to protect network perimeters and datacenters, all controlled by the industry's most comprehensive, intuitive unified security management; Check Point Horizon, a prevention-first security operations suite. Check Point protects over 100,000 organizations of all sizes.

About Extreme Networks

Extreme Networks, Inc. (EXTR) creates effortless networking experiences that enable all of us to advance. We push the boundaries of technology leveraging the powers of machine learning, artificial intelligence, analytics, and automation. Over 50,000 customers globally trust our end-to-end, cloud-driven networking solutions and rely on our top-rated services and support to accelerate their digital transformation efforts and deliver progress like never before. For more information, visit Extreme's website or follow us on Twitter, LinkedIn, and Facebook.