



Check Point vSEC for Amazon Web Services

Comprehensive security protections for AWS public cloud services

Amazon Web Services

is a secure, dedicated public cloud computing service operated by Amazon.com.

The service supports existing workloads and third-party applications as well as new application development, giving IT a common platform for seamlessly extending its data center to the cloud.

Check Point vSEC for Amazon Web Services

delivers advanced, multi-layered security for the AWS cloud environment, protecting assets in the cloud from attacks while enabling secure connectivity from enterprise networks to the AWS cloud (hybrid networks).

Designed for the dynamic security requirements of cloud deployments, vSEC provides advanced threat protections to inspect traffic entering and leaving private subnets in the VPC. Fully integrated security features include: Firewall, IPS, Application Control, IPsec VPN, Antivirus, Anti-Bot.

vSEC provides consistent security policy management, enforcement, and reporting, making migration to the AWS cloud painless

PUBLIC CLOUD SECURITY OVERVIEW

The wide adoption of cloud architectures is being driven by the desire to transform businesses for greater efficiency, speed, agility, and cost controls. While cloud solutions offer many advantages over traditional IT infrastructure, legacy security approaches do not address the dynamic nature of cloud environments, and can expose organizations to a new set of security risks.

Security insertion and management is a significant challenge for the public cloud. Organizations struggle to manage disparate security solutions for their on-premise and cloud environments, resulting in a lack of consistent policy enforcement that makes regulatory compliance difficult. At the same time, the number of cyber threats and breaches continues to increase. Traditional and built-in security solutions fail to adequately extend proper protections to the cloud, making them attractive targets for cyber attacks from the Internet. Once an environment is breached, attacks are able to spread laterally within the cloud infrastructure, and even extend externally to corporate networks. Remote access to the public cloud is another challenge where organizations need to securely connect on premise applications inside the Data Center with public cloud infrastructure.

Check Point vSEC for Amazon Web Services delivers comprehensive security tailored to protect public and hybrid cloud environments, allowing businesses to confidently extend their data center applications and workflows to the cloud and connect to them securely.

ADVANCED THREAT PREVENTION FOR AWS

Check Point and Amazon Web Services have partnered to deliver a best-in-class experience for customers looking to extend advanced security protections to their AWS public and hybrid cloud environments. Seamlessly integrating with Amazon Web Services, vSEC provides reliable connectivity to public and hybrid cloud assets while protecting applications and data with industry-leading threat prevention. Additionally, vSEC dramatically simplifies security management and policy enforcement across private, hybrid, and public cloud networks. As a result, IT organizations can achieve an advanced security posture that moves with Virtual Applications as they migrate from data centers to AWS hybrid cloud environments.



Complete visibility and control for AWS

vSEC for AWS gives businesses the confidence to securely extend their data center resources and workloads to public clouds, providing tangible customer benefits including:

- Protection against security breaches and malware in the public cloud that may lead to private cloud / data center breaches
- Unified security management, visibility, and reporting across both private and public cloud networks
- Automated workflows and orchestration to minimize configuration errors
- Elimination of the costs and loss of reputation associated with business disruptions and downtime
- Migrate sensitive workloads, applications and data to the public cloud with confidence

Comprehensive security protections

vSEC for AWS provides industry-leading threat prevention security to keep AWS public cloud networks safe from even the most sophisticated attacks. Fully integrated security protections include:

- **Firewall, Intrusion Prevention System (IPS), Antivirus, and Anti-Bot** technology protect workloads in the cloud from unauthorized access and malicious network attacks
- **IPSec VPN** allows secure connectivity over a dedicated and encrypted tunnel between AWS Virtual Private Cloud (VPC) and the Enterprise network.
- **Remote Access** allows remote users to connect to AWS clouds using an SSL encrypted connection with two-factor authentication and device pairing
- **Data Loss Prevention** protects sensitive data from theft or unintentional loss
- **SandBlast Zero-Day Protection** sandbox technology provides the most advanced protection against malware and zero-day attacks

Lateral threat prevention internal to the public cloud can be achieved using the appropriate networking configuration to redirect traffic to the vSEC gateway for inspection.

Centralized management of on-premise and public cloud infrastructures

Policy management is simplified with centralized configuration and monitoring of cloud and on-premise security from a single console. This ensures that the right level of protection is applied consistently across both hybrid cloud and physical networks. Hybrid cloud workload traffic is logged and can be easily viewed within the same dashboard as other logs.



The Check Point Smart Dashboard provides real-time visibility into activity that spans the data center to the AWS public cloud

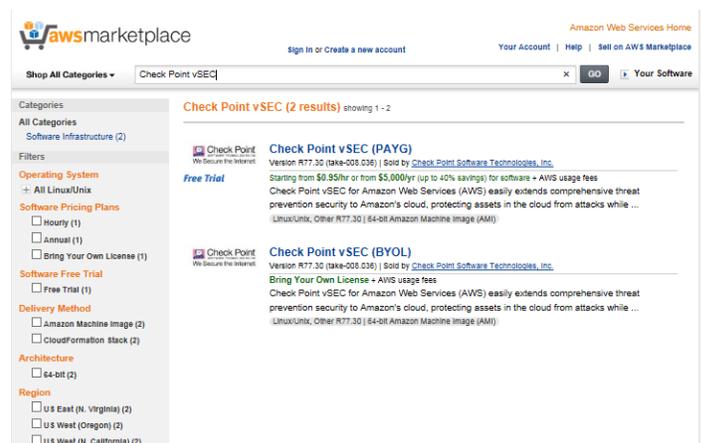
Consolidated logs and reporting

vSEC for AWS gives organizations complete threat visibility and enforcement for hybrid cloud infrastructures. Check Point SmartEvents software consolidates monitoring, logging, and reporting across cloud and on-premise networks. SmartEvent logs can also be exported to 3rd party SIEM platforms.

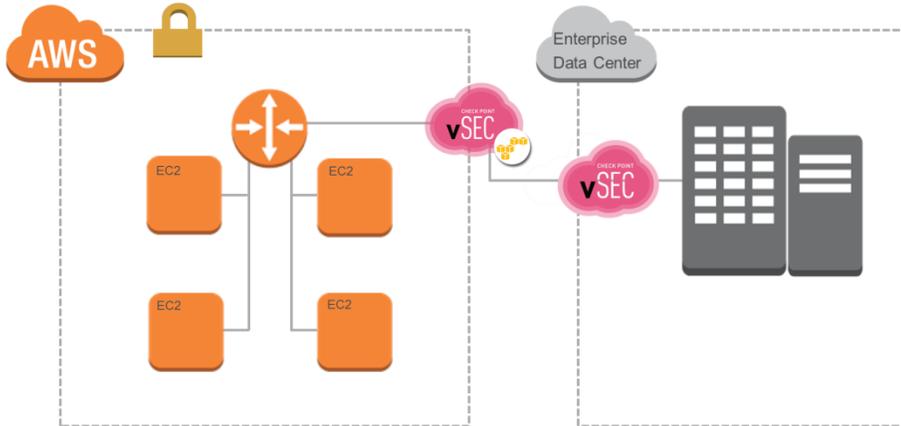
Security reports specific to cloud workload traffic can be generated to track security compliance across the hybrid cloud network, simplifying reporting and audits and making it easy to demonstrate compliance with industry regulations. With all aspects of security management such as policy management, logging, monitoring, event analysis, and reporting centralized via a single dashboard, security administrators get a holistic view of their security posture across the entire organization.

Rapid and Flexible Deployment

Easily and affordably extend security to your Amazon cloud using rapid one-click deployment of the vSEC gateway which is available in the AWS Marketplace delivered using on-demand per-hour (PAYG) or Bring Your Own License (BYOL) options. Customize security protections to your specific business needs using Check Point Software Blade Technology. Quickly deploy and provision vSEC using AWS CloudFormation templates.



Check Point vSEC Security Gateway on AWS Marketplace



Unified policy management and security that follows VMs as they migrate from the data center to AWS public cloud networks

SUMMARY

Check Point Software Technologies provides uncompromising protection against all types of cyberattacks while dramatically simplifying IT security management. Check Point vSEC for Amazon Web Services takes advantage of the cost efficiencies and automation of AWS while tightly integrating advanced security features designed to meet the efficiency and scalability requirements of large deployments in the public cloud.

Check Point vSEC for Amazon Web Services enables customers to confidently extend security to their AWS cloud infrastructure with the full range of protections of the Check Point threat prevention architecture. vSEC for AWS prevents network attacks and data breaches while enabling secure connectivity to Amazon public cloud environments. vSEC also integrates with a wide variety of public cloud and private cloud environments including those built on SDDC technology.

To learn more about how Check Point vSEC and Amazon Web Services provides advanced security protections for public and hybrid cloud networks, download a free trial of vSEC for AWS at www.checkpoint.com/products/vsec-aws or contact your Check Point or AWS partner or sales representative.

ABOUT CHECK POINT

Check Point Software Technologies Ltd. (www.checkpoint.com), is the largest pure-play security vendor globally, provides industry-leading solutions, and protects customers from cyberattacks with an unmatched catch rate of malware and other types of attacks. Check Point offers a complete security architecture defending enterprises' networks to mobile devices, in addition to the most comprehensive and intuitive security management. Check Point protects over 100,000 organizations of all sizes. At Check Point, we secure the future.

ABOUT AWS

Amazon Web Services (aws.amazon.com) is the largest public cloud computing services provider globally, provides a highly reliable, scalable, low-cost computing platform in the cloud that powers hundreds of thousands of businesses in 190 countries around the world. With data center locations in the U.S., Europe, Brazil, Singapore, Japan, and Australia, customers across all industries are using the AWS cloud computing platform to launch applications across a wide variety of use cases taking advantage of the following benefits offered by AWS: low cost, agility, elasticity, security, openness, flexibility and global footprint.