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Multi-Cloud Network Security

Unified Cloud Network Security

Solution Benefits

- Enable Zero Trust by default

- Ease of Firewall insertion

- Scalable Network and Security infrastructure

- Cost-Efficient Security Architecture

- Advanced Monitoring and Analytics

Introduction

Organizations often rely on Next-Generation Firewalls (NGFWs) for threat detection and prevention, but integrating networking and security in Cloud environments is challenging. Configuring security components like VPCs, VNETs, subnets, and load balancers can lead to inconsistencies across cloud environments. Managing east/west and internet-bound traffic adds complexity, requiring tasks like maintaining multiple routing domains, isolating traffic, and ensuring deep visibility into endpoint traffic flows. The scarcity of specialized expertise further complicates the deployment and management of these solutions. Achieving a robust defense-in-depth strategy requires deploying multiple security tools and enforcing zero-trust policies across various layers. Additionally, ensuring that the security infrastructure can scale effectively and maintain performance under increasing traffic loads adds another layer of complexity.

Protecting cloud workloads

Cloud security solutions are essential for mitigating risks, streamlining operations, and optimizing resource utilization. The joint offering from Prosimo and Checkpoint combines leading cloud networking and security technologies.

Prosimo orchestrates cloud-native services to create a secure, full-stack multi-cloud network that connects endpoints across VPCs/VNETs, regions, and clouds. The platform's auto-scaling and intelligent path-routing capabilities ensure a robust, high-performance, and redundant infrastructure.

Check Point CloudGuard enhances security by inspecting traffic between segments, offering URL filtering and internet egress control, and preventing malware and advanced threats.

The joint solution features seamless technology integration, enabling easy CloudGuard Next-Generation Firewalls(NGFWs) orchestration through a unified interface. It supports onboarding brownfield firewalls, ensuring flexibility and continuity. Additional benefits include lifecycle management and orchestration of cloud-native elements. The solution's powerful policy engine enforces zero-trust access and segmentation guardrails, with firewalls providing comprehensive threat protection, ensuring deep visibility into traffic flows.
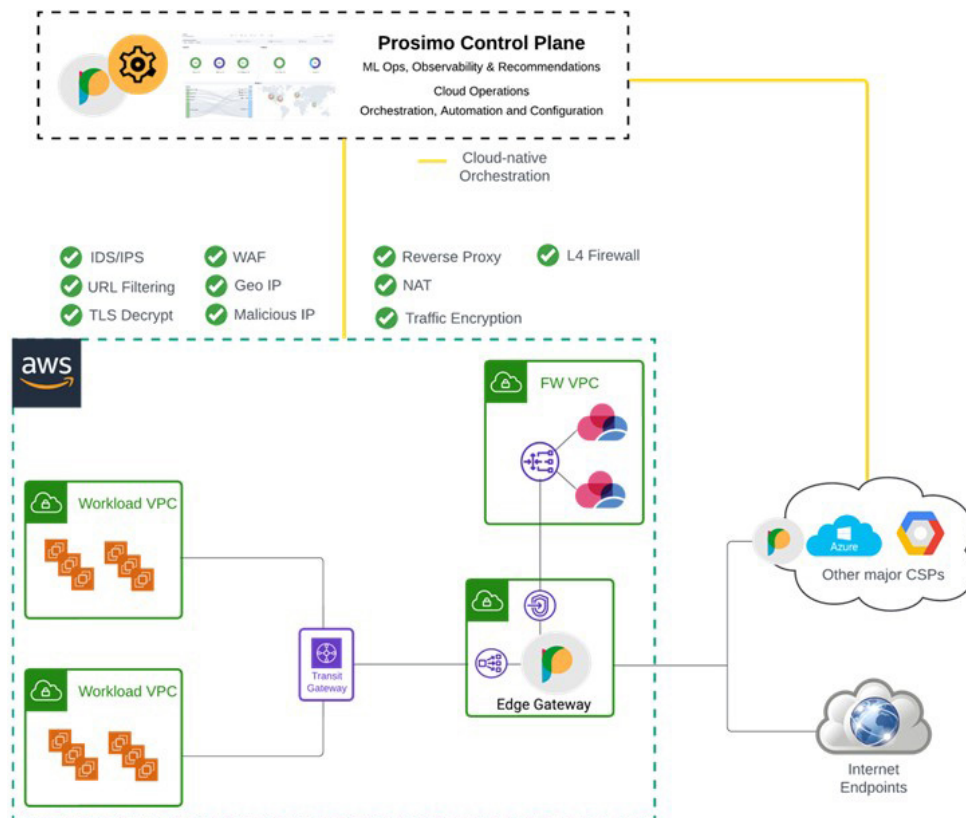

Fig1: Architectural Overview Of Joint Solution

Streamlined Cloud Network Security

The partnership between Prosimo and Check Point combines leading cloud networking and security solutions. Organizations can use the Prosimo portal to integrate and manage CloudGuard NGFWs across regions. This streamlined deployment model offers numerous benefits, including;

Benefits	Impacts
Enable Zero Trust by default	Through a unified interface for easy deployment of cloud networking and security infrastructure to enable zero trust between workloads across multiple-clouds.
Layered Security Approach	Utilizing NGFWs and WAFs of the joint solution to deliver traffic inspection, encryption, and robust multi-layer threat protection.
Scalable Network and Security	Organizations can expect their network and security infrastructure to scale quickly to meet performance requirements.
Cost-Efficient Security Architecture	The integration enhances resource efficiency, supporting centralized and distributed security architectures in line with organizational cost management strategies.
Advanced Monitoring and Analytics	Organizations achieve quick detection and resolution of network and application performance issues.

About Check Point

Check Point Software Technologies Ltd. (www.checkpoint.com) 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 Prosimo

Prosimo streamlines multi-cloud infrastructure by integrating networking, performance, security, observability, and cost management. Leveraging data insights and machine learning, Prosimo minimizes complexity and risk, enabling faster innovation. Fortune 100 companies use Prosimo to launch revenue-generating apps and enhance operational efficiency. For more information, visit www.prosimo.io.

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