

CHECK POINT CLOUDGUARD

Advanced Cloud Security for Gen V Threats



SOLUTION BENEFITS

- Comprehensive network security policy management across cloud, SDN and on-premises networks
- Unprecedented visibility into AWS cloud topologies, including AWS Security Groups and Availability Zones as well as Check Point CloudGuard IaaS security policies
- Quickly and easily troubleshoot application connectivity issues
- Proactively ensure correct routing across the entire distributed environment using advanced network simulation capabilities
- Complete risk analysis and compliance reporting for the entire enterprise network
- End-to-end, automated security policy management

EFFECTIVE SECURITY MANAGEMENT IN CLOUD-BASED NETWORKS

Check Point CloudGuard for Amazon Web Services (AWS) seamlessly extends advanced threat prevention security to protect customer data and services in Amazon's cloud from even the most sophisticated attacks while enabling secure connectivity across customer cloud and on-premises environments.

While Check Point CloudGuard IaaS brings advanced security protections to safeguard customer data and assets in AWS, managing security across highly distributed environments has become increasingly challenging. AWS topology and routing is complex and dynamic by nature, making it difficult to accurately identify which workloads are actually secure or how traffic is traversing among workloads in AWS and out to a customer's premises-based network.

Additionally, the combination of multiple security and filtering constructs – AWS Security Groups, Network Access Control Lists (ACLs), Check Point CloudGuard IaaS instances, on-premises security gateways, routers, and more – make policy management tedious and error-prone. It is critical to consistently align security policies across all networks – physical, virtual and now cloud – to ensure successful application delivery and business continuity, as well as maintain a tight security and compliance posture.

CHECK POINT CLOUDGUARD AND ALGOSEC - JOINT SOLUTION

The AlgoSec Security Management solution automates and orchestrates network security policy management across cloud, SDN and on-premises networks to drive increased business agility, security and compliance.

AlgoSec combines comprehensive policy management with end-to-end visibility and change automation to enable organizations to effectively manage all their security policies and application connectivity changes, even across multi-cloud environments. The AlgoSec platform understands and maps the entire enterprise infrastructure, including the network topology, applications, routing and application connectivity flows, firewalls and filtering policies – as well as integrates with third-party devices and platforms including Check Point physical security gateways, CloudGuard IaaS virtual gateways and AWS Security Groups.

The combination of Check Point CloudGuard IaaS with AlgoSec's unparalleled simulation capabilities allows users to easily verify that all necessary routing configurations are in place to both fully protect and enable workloads in AWS. With AlgoSec and Check Point, users can immediately identify and protect application servers, quickly verify if the traffic to/from any workload actually traverses CloudGuard IaaS, and much more.

Ideal for troubleshooting complex traffic flows, AlgoSec can easily determine why an application's connectivity is blocked - whether due to an AWS Security Group rule, incorrect routing, or other issue. AlgoSec quickly identifies any blocked or missing firewall rules and can automatically plan and execute all security policy changes, including the ability to automatically push policy updates to Check Point CloudGuard IaaS security gateways.

AlgoSec also provides risk assessment and out-of-the-box pre-populated compliance reports for all leading industry regulations including PCI DSS, HIPAA, SOX, NERC, FISMA, ISO and more. This allows compliance standards to be easily fulfilled across all Check Point virtual and physical security gateways, AWS Security Groups and NACLs as well as other cloud-based security controls.

The advanced threat prevention security of Check Point CloudGuard for AWS together with AlgoSec's end-to-end visibility, management and automation, helps drive enhanced business agility, delivers superior security and simplifies compliance across the entire hybrid environment.

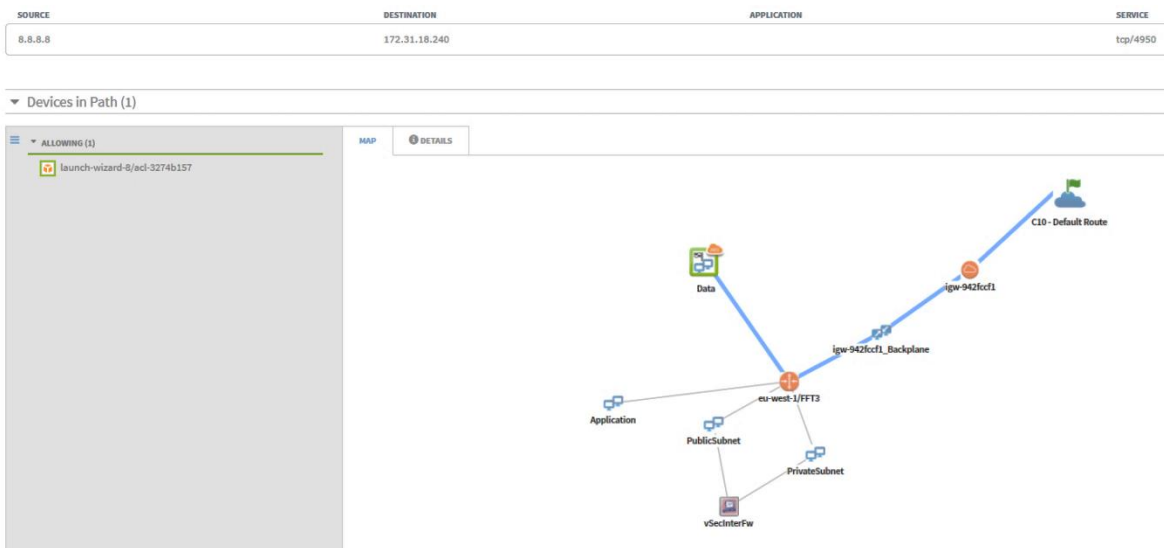


Figure 1: Traffic query automatically detects a routing misconfiguration in cloud environments

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 ALGOSEC

The leading provider of business-driven security management solutions, AlgoSec (www.AlgoSec.com) helps the world's largest organizations align security with their business processes. With AlgoSec, users can discover, map and migrate business application connectivity, proactively analyze risk from the business perspective, tie cyber-attacks to business processes and intelligently automate network security changes with zero touch - across their cloud, SDN and on-premises networks. Over 1,500 enterprises, including 20 of the Fortune 50, utilize AlgoSec's solutions to make their organizations more agile, more secure and more compliant - all the time. Since its inception, AlgoSec has provided the industry's only money-back guarantee.

CONTACT US

Worldwide Headquarters | 5 Ha'Soleim Street, Tel Aviv 67897, Israel | Tel: 972-3-753-4555 | Fax: 972-3-624-1100 | Email: info@checkpoint.com

U.S. Headquarters | 959 Skyway Road, Suite 300, San Carlos, CA 94070 | Tel: 800-429-4391; 650-628-2000 | Fax: 650-654-4233 | www.checkpoint.com