Check Point
SOFTWARE TECHNOLOGIES LTD.

WELCOME TO THE FUTURE OF CYBER SECURITY

CLOSING YOUR CLOUD SECURITY GAPS

INTRODUCING CHECK POINT CLOUDGUARD IAAS

TODAY'S FORECAST: CLOUDY

The desire to transition from a hardware-centric to an application-centric network construct is driving more and more organizations to embrace the cloud as part of their IT strategy. As a result, businesses are rapidly adopting cloud-based solutions to virtualize their datacenters as well as extend applications and data to public cloud environments. However, security concerns associated with moving data beyond traditional IT controls keeps many organizations from fully embracing the cloud. Businesses want the ability to control their own data and keep it private, protect themselves from cyber threats and securely connect their cloud with their traditional 'on-premises' network, all while maintaining compliance with regulatory mandates.

Check Point's flagship CloudGuard IaaS Cloud Security solution is designed to keep your data in public, private and hybrid cloud networks safe from even the most sophisticated attacks. To help customers fulfill their cloud security responsibilities, Check Point partners with the leading public IaaS providers and SDN solutions to seamlessly provide the same comprehensive security protections safeguarding premises-based networks to cloud environments.

CloudGuard IaaS enhances the native micro-segmentation and elastic networking of cloud environments to dynamically deliver advanced security and consistent policy enforcement that automatically grows and scales with your cloud environments. Using CloudGuard IaaS, you can easily secure workloads and applications running in hybrid and public cloud environments, thus mitigating risks from breaches, data leakage and zero-day threats.

Whether your cloud strategy centers on public or hybrid cloud environments, multi-cloud routing, or cloud DMZ, Check Point helps secure all your cloud assets while fully supporting the elastic and dynamic nature of the cloud. What's more, only Check Point gives you a single pane-of-glass experience when managing physical, virtual and cloud-based security, complete with consolidated logs and reporting across all network environments.

With Check Point, you can enforce a consistent security policy for corporate assets across both virtual and physical infrastructures, dramatically simplifying compliance with regulatory mandates. Check Point CloudGuard IaaS provides comprehensive threat prevention security, access, identity, strong authentication, compliance reporting and multi-cloud connectivity to help your organization embrace the cloud with confidence.

PRIVATE CLOUD SECURITY

Network virtualization has created a dramatic shift in traffic behavior. Now, more and more traffic is going East-West in the data center creating security gaps and other challenges. With few controls to secure east-west traffic, threats can now travel unimpeded once inside the data center.

Supporting leading network virtualization solutions such as VMware NSX and Cisco ACI, Check Point CloudGuard IaaS enhances native micro-segmentation capabilities to provide proactive protections for East-West traffic inside virtual data centers. Check Point also integrates with private Cloud Management platforms such as VMware NSX, VMware vCenter, Cisco ACI and OpenStack to facilitate automated security service insertion, context sharing of security groups, tags and threat information as well as automated quarantine and remediation of infected VMs.

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CloudGuard IaaS gives customers complete traffic visibility and reporting in addition to proactive protection from even the most advanced threats within virtual network environments. Check Point CloudGuard IaaS delivers advanced threat protections to prevent the lateral spread of threats within software-defined data centers as well as the visibility and control to effectively manage security in both physical and virtual environments – all from a single unified management solution.

PUBLIC CLOUD SECURITY

Moving computing resources and data to public clouds means security responsibilities are now shared between you and your cloud provider. While infrastructure protection is delivered by the cloud provider, customers want the ability to control their own data and protect their cloud assets all while complying with regulatory mandates.

Check Point CloudGuard IaaS seamlessly extends advanced security protections to leading public and hybrid cloud environments such as Amazon Web Services, Microsoft Azure, Microsoft Azure Stack, Google Cloud Platform, VMware Cloud on AWS, Alibaba Cloud and more. Flexible and expandable, CloudGuard IaaS fits the dynamic needs of public cloud deployments, enabling secure connectivity from enterprise premises networks to the cloud while inspecting all data entering and leaving private subnets in virtual private clouds (VPCs).

CloudGuard IaaS provides consistent security policy enforcement and full visibility across physical, premises-based private cloud and public cloud networks.

DATA CENTER VIRTUALIZATION AND NETWORK FUNCTION VIRTUALIZATION (NFV)

Check Point CloudGuard IaaS is designed to support popular hypervisor technologies such as VMware ESX, Microsoft Hyper-V and KVM, delivering comprehensive security to protect dynamic virtualized environments from internal and external threats. CloudGuard IaaS also delivers advanced, multi-layered security for virtual data center and Network Function Virtualization (NFV) environments, equipping service providers with comprehensive threat prevention security, zero-day protection, agile delivery, management, and automation across core network function, software-defined WAN and vCPE deployments.

SUMMARY

The appetite for cloud solutions shows no signs of slowing down. Still, security concerns are often cited as a key barrier to wide-scale enterprise cloud adoption. When you move computing resources and data to cloud environments, the responsibility of security now becomes shared between you and your cloud provider. The loss of control moving applications and data out of the enterprise to a cloud provider along with the lack of consistent monitoring and governance of those resources creates a variety of new security challenges.

Seamlessly integrating with leading cloud platforms and orchestration tools, CloudGuard IaaS can be deployed in minutes while supporting key features such as dynamic security policies and elastic scalability. CloudGuard IaaS provides industry-leading advanced threat protection and single pane of glass management for easily extending comprehensive security protections to cloud environments. These powerful capabilities allow you to grow your cloud security elastically while keeping pace with the dynamic requirements of your business.

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