CHECK POINT™ | **ORACLE® CLOUD**

CloudGuard Network Security for Oracle Cloud Infrastructure

Advanced Threat Prevention Security for Public, Private and Hybrid Clouds

Security Challenges in Public Cloud Environments

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 cloud. Organizations struggle to manage disparate security solutions for their premises and cloud environments, resulting in a lack of consistent policy enforcement that makes regulatory compliance difficult. At the same time, the frequency and sophistication of cyber-attacks continues to increase. Security solutions protecting premises-based environments do not extend to the cloud, leaving them exposed and making them attractive targets for cyber criminals. Once a cloud environment is breached, attacks are able to spread laterally from VM to VM within the cloud and even extend externally to corporate networks.

Check Point CloudGuard Network Security for Oracle Cloud Infrastructure (OCI) delivers comprehensive security tailored to protect public and cloud environments, so businesses can feel confident about extending their data center applications and workflows to the cloud.

Oracle Cloud Infrastructure combines the elasticity and utility of public cloud with the granular control, security, and predictability of onpremises infrastructure to deliver high-performance, high availability and cost-effective infrastructure services.

Oracle Cloud Infrastructure is built from the ground up to be an Enterprise Cloud, equally capable of running traditional multi-tiered enterprise applications and high-performance workloads.

Check Point CloudGuard Network Security for Oracle Cloud Infrastructure delivers advanced, multi-layered security for OCI environments, protecting assets in the cloud from attacks while enabling secure connectivity from enterprise networks and hybrid cloud networks.

Designed for the dynamic security requirements of cloud deployments, CloudGuard provides advanced threat protections to inspect traffic entering and leaving private subnets in the cloud network. Fully integrated security features include: Firewall, IPS, Application Control, IPsec VPN, Anti-Virus, Anti-Bot. SandBlast adds Threat Extraction and Threat Emulation for zero-day protections.

CloudGuard provides consistent security policy management, enforcement, and reporting, making migration to OCI environments painless.

Advanced Security in Oracle Cloud Infrastructure

Check Point and Oracle have partnered to deliver a best-in-class experience for customers looking to extend advanced security protections to their OCI public and hybrid environments. CloudGuard for OCI provides reliable and secure connectivity to public cloud assets while protecting applications and data with industry-leading threat prevention. Additionally, CloudGuard helps organizations by dramatically simplifying security management and policy enforcement across private, hybrid, and public cloud networks.

Complete Visibility and Control for Your Hybrid Cloud

CloudGuard for OCI gives organizations the confidence to securely extend their datacenter resources and workloads to Oracle public and hybrid clouds, providing tangible customer benefits including:

- Protection against security breaches, malware and zero-day attacks 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
- Elimination of the costs and loss of reputation associated with business disruptions and downtime
- Securely migrate sensitive workloads, applications and data to the cloud

Comprehensive Security Protections

CloudGuard for OCI provides industry-leading threat prevention security to keep Oracle public and hybrid cloud networks safe from even the most sophisticated attacks as well as prevent malware from propagating laterally within virtual environments. Fully integrated security protections include:

- **Firewall, Intrusion Prevention System (IPS), Anti-Virus,** and **Anti-Bot** technology protects services in the cloud from unauthorized access and prevents attacks
- **Application Control and URL Filtering** enable businesses to easily create granular policies based on users or groups—to identify, block or limit usage of applications and websites
- **IPSec VPN** aallows secure connectivity over a dedicated and encrypted tunnel between Google Cloud networks and the Enterprise network
- **Remote Access** allows remote users to connect to Google Cloud environments 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 inside the public cloud can be achieved using the appropriate networking configuration to redirect internal traffic to the CloudGuard gateway for inspection.

Centralized Management of On-premises and Hybrid Cloud Infrastructures

Policy management is simplified with centralized configuration and monitoring of both cloud and on-premises security, allowing for a consistent security footprint for all corporate data. Hybrid cloud workload traffic is logged and can be easily viewed within the same dashboard as logs from your physical infrastructure. This ensures that the right level of protection is applied across both hybrid cloud and physical networks.

Consolidated Logs and Reporting

CloudGuard for OCI gives organizations complete threat visibility and enforcement for public and hybrid cloud infrastructures. Check Point consolidates monitoring, logging and reporting across cloud and on-premises networks.

Security reports specific to cloud workload traffic can be generated to track security compliance across the hybrid cloud network, simplifying reporting and audits. 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..

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 Oracle

Founded in 1977, Oracle Corporation (www.oracle.com) provides leading-edge capabilities in software as a service, platform as a service, infrastructure as a service, and data as a service to over 430,000 customers in 175 countries. Oracle Cloud Infrastructure (OCI) is a deep and broad platform of public cloud services that enables customers to build and run a wide range of applications in a scalable, secure, highly available, and high-performance environment.