

CloudGuard Network Security for Alibaba Cloud

*Agile and Advanced Security Protections
for Public Cloud Environments*



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 threats 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 Alibaba Cloud 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.

Alibaba Cloud is the cloud computing arm and business unit of Alibaba Group (NYSE: BABA). Alibaba Cloud offers high performance, elastic computing power in the cloud. Services are available on a pay-as-you-go basis and include data storage, relational databases, big-data processing, AntiDDoS protection and content delivery networks (CDN). In addition, Alibaba Cloud provides solutions that lead the market in international performance and usability, cloud security, and advanced R&D technology.

Check Point CloudGuard Network Security for Alibaba Cloud delivers advanced, multi-layered security for Alibaba Cloud environments, protecting assets in the cloud from attacks while enabling secure connectivity from enterprise networks and hybrid cloud networks. Designed for the dynamic requirements of cloud deployments, CloudGuard delivers complete threat prevention security including: Firewall, IPS, Application Control, IPsec VPN, Antivirus, Anti-Bot, and award-winning SandBlast sandboxing technology. CloudGuard provides consistent security policy management, enforcement, and reporting, making migration to Alibaba cloud environments painless.

Advanced Threat Prevention For Alibaba Cloud

Check Point and Alibaba have partnered to deliver a best-in-class experience for customers looking to extend advanced security protections to their Alibaba public and hybrid environments. Seamlessly integrating with the Alibaba Cloud infrastructure, CloudGuard for Alibaba Cloud 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 Alibaba Cloud gives organizations the confidence to securely extend their datacenter resources and workloads to Alibaba 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 Alibaba Cloud provides industry-leading threat prevention security to keep Alibaba public and hybrid cloud networks safe from even the most sophisticated attacks. Fully integrated security protections include:

- **Firewall, Intrusion Prevention System (IPS), Antivirus, and Anti-Bot** technology protects services in the cloud from unauthorized access and prevents attacks
- **Application Control** helps to prevent application-layer Denial of Service (DoS) attacks and protect hybrid cloud services
- **Mobile Access** allows mobile users to connect to hybrid 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

Centralized Management of On-premises and Public 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 Alibaba Cloud 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 Alibaba Cloud

Established in 2009, Alibaba Cloud (www.alibabacloud.com), the cloud computing arm of Alibaba Group, is among the world's top three IaaS providers according to Gartner, and the largest provider of public cloud services in China, according to IDC. Alibaba Cloud provides a comprehensive suite of cloud computing services to businesses worldwide, including merchants doing business on Alibaba Group marketplaces, start-ups, corporations and government organizations. Alibaba Cloud is the official Cloud Services Partner of the International Olympic Committee.

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