

# HCLTech CloudSec Protection Service powered by Palo Alto Networks

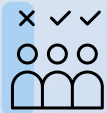
A holistic approach to workload protection  
and posture management



# Overview

With the evolution of virtualization technology, cloud computing has evolved from server virtualization to containers and serverless infrastructure. Containers are one of the most important emerging technologies for enterprises today. They are orchestration tools that enable developers to package, deploy rapidly, run, reduce environmental dependencies and manage applications in a way that's portable, reusable and automatable. In doing so, they can dramatically reduce the time and resources needed to manage application infrastructure. Generally, the use of containers and microservices poses new security concerns that enterprises may not have considered. As with all software, containerized applications can have various kinds of security vulnerabilities, including bugs, inadequate authentication and authorization, and misconfigurations. HCLTech's CloudSec Protection Service powered by Palo Alto Networks targets and addresses these security loopholes. They provide industry leading solutions to secure containerized environments to facilitate end-to-end security for workloads hosted across public and private cloud environments.

## Cloud workloads business challenges



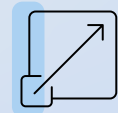
### **Lack of collaboration between security and development teams -**

Unifying these teams, which are used to working in siloes, can be challenging due to insufficient collaboration and communication which often leads to ambiguity, delayed deliveries and critical security issues.



### **Insufficient alerting and reporting -**

Often, organizations are unable to identify risks in time due to long manual processes, as they don't possess the proper tools for monitoring their daily activities in the cloud or alerting for any security threat in the environment.



### **Keeping up with rapid scalability -**

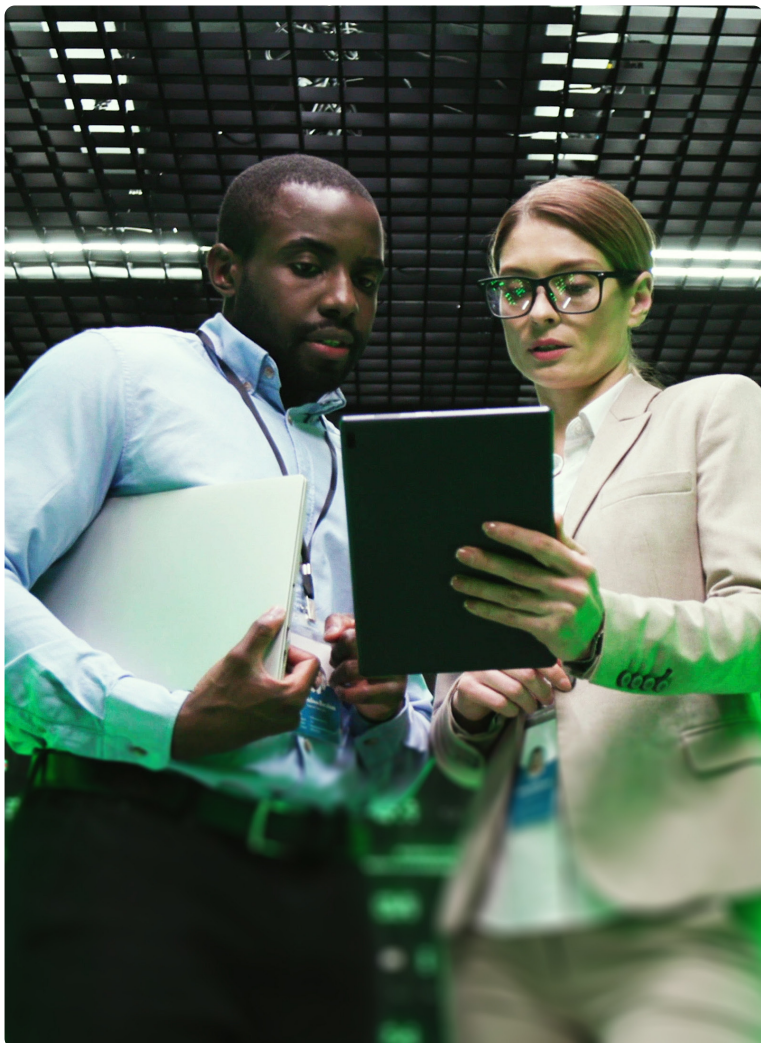
A cloud-hosted application is typically self-deployed and scales up and down automatically based on the load. Rapid deployment and scaling of cloud workloads can negatively affect security solutions not designed for these operations.



# Our solution

Containers and container orchestration tools enable developers to package, rapidly deploy, run, reduce environmental dependencies and manage applications in a way that's portable, reusable and automatable. To secure the containers and serverless environments run across cloud environments such as AKS, EKS, GKE, Lambda, Azure Functions, etc. and the VMs running in public/hybrid cloud environments, HCLTech offers a comprehensive cloud workload protection solution in partnership with Palo Alto Networks. It not only monitors and secures the environment in runtime to prevent any drifts in the container images but also provides full lifecycle visibility and guardrails to prevent vulnerable cloud, Kubernetes, container, or serverless components from being deployed.

Enabled via Prisma Cloud by Palo Alto Networks, this solution offers workload protection and posture management for cloud infrastructure, workloads and applications. Some of the key features of our solution are as follows:

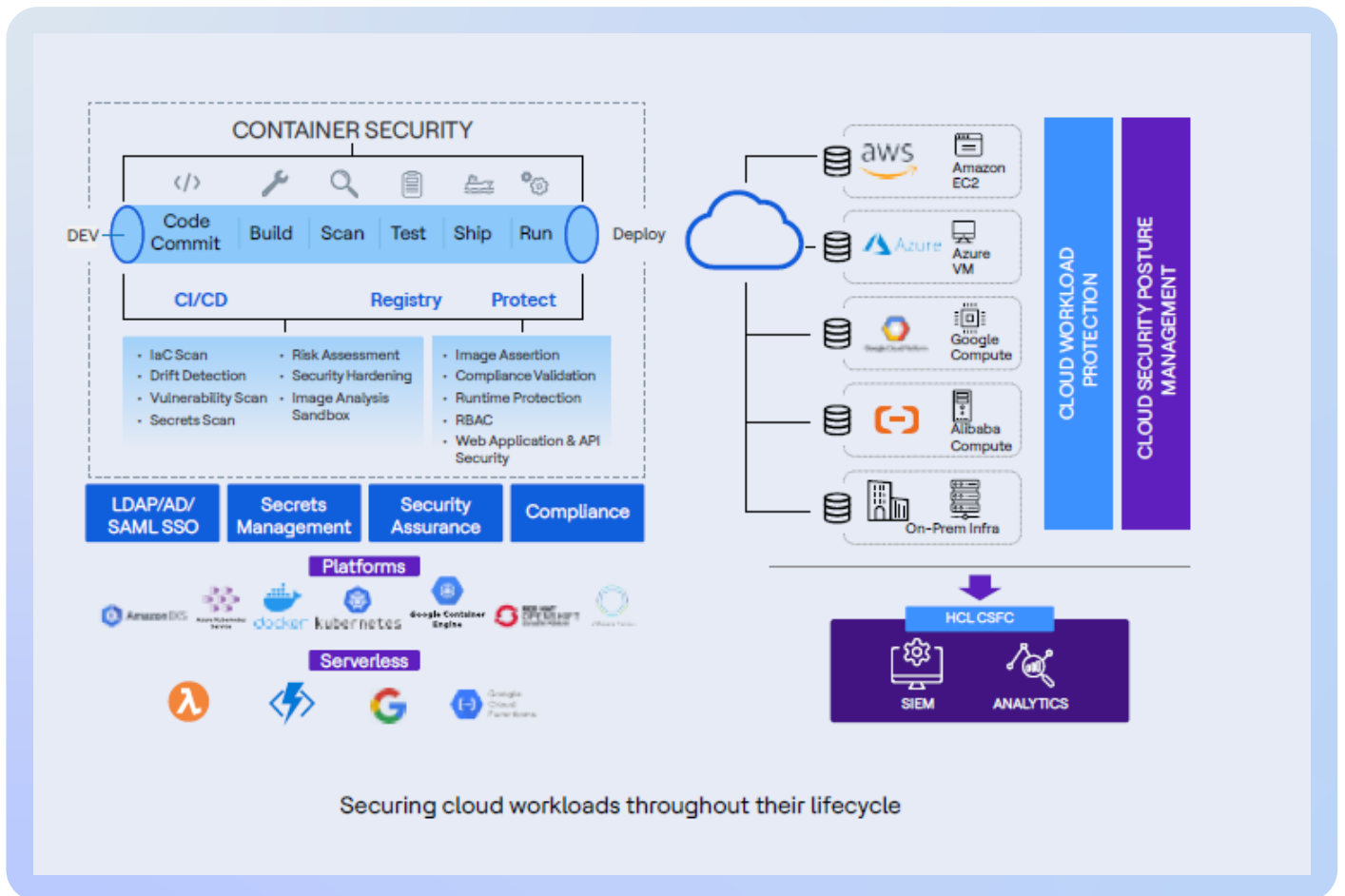


## Cloud Workload Protection (CWP)


- 01 A single solution to provide full lifecycle, end-to-end cloud-native security, deployed as either agent-based or agentless protection
- 02 Security for cloud workloads regardless of architecture, running anywhere with vulnerability management, compliance checks, next-generation anti-malware and micro-segmentation
- 03 Enable adoption of a 'shift left approach' to provide security feedback in the development lifecycle by embedding security into CI/CD pipelines, repositories, registries and pre-deployment
- 04 Advanced security for runtime protection by monitoring containers and functions for any suspicious activity and enforcing immutability by preventing drift from the original image
- 05 Comprehensive forensics to analyze security events in running cloud workloads

## Cloud Security Posture Management

- 01 Complete visibility of multi-cloud infrastructure via a single dashboard
- 02 Continuous security assurance through configuration monitoring, risk and compliance assessment and auto-remediation
- 03 Infrastructure as code scanning
- 04 Real-time threat monitoring to safeguard all the systems and sensitive information
- 05 Simplified compliance audit reporting



## Benefits/Value Delivered

-  HCLTech offers best-in-class solutions, services and flexible consumption models wrapped around Palo Alto Networks product platforms
-  Diverse multi-platform support provided by Prisma Cloud
-  Comprehensive security across private, public and hybrid Cloud environments
-  24 x 7 monitoring and management services provided by HCLTech
-  Agile service delivery model, innovation and scale to meet different enterprises' business needs



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