

CloudSec protection service

Workload protection and posture
management



Business Challenges



Unverified images - Knowing the source of an image can be challenging, which can lead to unknown vulnerabilities.



Runtime security - Post-deployment, containers must be monitored in real-time to ensure workload protection in runtime for container integrity and immutability. However, due to their short life span, monitoring of containers during runtime can be quite difficult.



Unsecured infrastructure - Running an outdated version of Docker for example, can expose IT environments to greater risks of a breach, and potential loss of sensitive information through vulnerabilities like misconfigurations, missing patches, etc.



Unmanaged access controls - Loose access controls between containers spread across multiple systems and Cloud environments, poor secrets management, increased data traffic across microservices, and poor access control rules can lead to security vulnerabilities.



Unsecured communication and network traffic - Unrestricted network traffic passing through containers without any monitoring may lead to unsolicited disclosure of information to other containers not meeting the security policies.



Lack of visibility & control - Verifying that images stored in container registries meet their firm's security & compliance requirements is essential. Security risk also arises from a lack of visibility into workload vulnerabilities.



Non-compliance with security Regulatory requirements - Verifying the images stored in container and other cloud workloads meet the internal and external regulatory

Introduction

1. Solution Overview

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 environment running across Cloud environments like AKS, EKS, GKS, Azure Functions, etc. and the VM's running in pure/ hybrid cloud environment, HCL offers a comprehensive Cloud Workload Security solution which not only monitors and secures the environment in runtime to prevent any drifts in the container images but also provides complete visibility across all the workloads spread across the public, private, and hybrid cloud.

2. Some Insights about the solution

HCL solution comprises of Workload Security and Posture Management of all workloads on cloud:

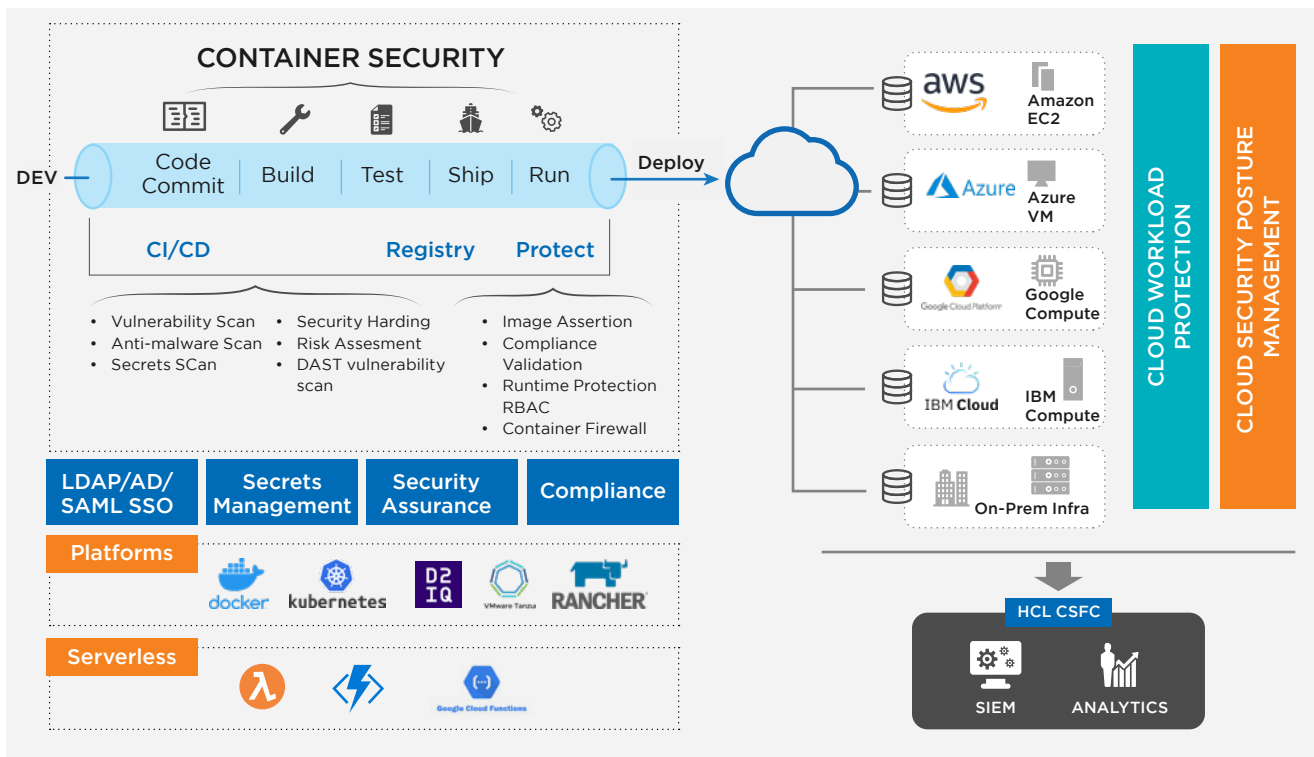
Cloud Workload Protection-

- Single solution to provide end-to-end cloud native security.
- Enable adoption of 'Shift Left Approach' to provide for tighter integration of security into the CI/CD lifecycle by embedding security into the image registry itself.
- Advanced security for Runtime protection by monitoring containers and functions for any suspicious activity and enforcing immutability by drift prevention from the original image.
- End-to-end security to cloud workloads viz., VM's, containers, serverless, running anywhere, through next generation

anti-malware, integrity monitoring application control, micro-segmentation and cloud platform integration.

Cloud Workload Posture Management

- Continuous Security Assurance through Configuration Monitoring, Risk & Compliance Assessment & Auto remediation of identified issues
- Real-time threat monitoring to safeguard all the systems and sensitive information
- Enable organizations meet audit and compliance requirements.
- Complete visibility of a multi-cloud infrastructure with a single dashboard



Securing cloud workloads throughout their lifecycle

Service Options

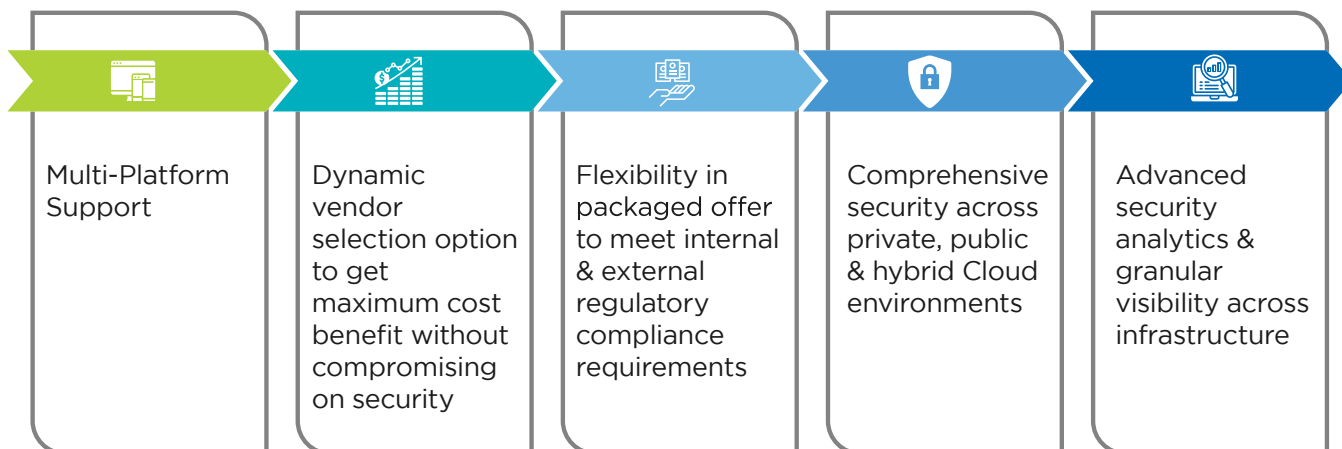
Standard Package

- Next-gen Cloud Workload Security
- Dynamic Application Security Testing
- Security Monitoring & Analytics

Advanced Package

- Next-gen Cloud Workload Security
- Dynamic Application Security Testing
- Vulnerability Assessment
- Penetration Testing
- Runtime Application Self Protection
- Cloud Security Posture Management
- Security Monitoring & Analytics

Service Catalogue



Why HCL

Globally, HCL's Cybersecurity and GRC Services Business Unit has been playing a pivotal role in driving cybersecurity and risk-aligned digital transformation across enterprises. At the same time, HCL is inspiring business confidence by "Building a Dynamic Cybersecurity Posture" leveraging Next-Gen Cybersecurity solutions and advanced orchestration and automation-driven platforms.

Enriched by over 23+ years of experience in securing global enterprises, HCL is at the forefront of ensuring effective operational cybersecurity posture for its clients with its end-to-end service capabilities enabled by flexible global delivery models and powered by industry-leading reference frameworks & IPs.

Our Partners



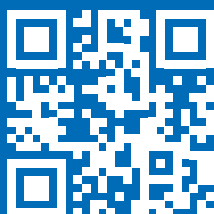
To know more visit: <https://www.hcltech.com/cyber-security-grc-services>
or write to us at Cybersecurity-GRC@hcl.com

HCL

HCL Technologies (HCL) empowers global enterprises with technology for the next decade today. HCL's Mode 1-2-3 strategy, through its deep-domain industry expertise, customer-centricity and entrepreneurial culture of ideapreneurship™ enables businesses to transform into next-gen enterprises.

HCL offers its services and products through three lines of business - IT and Business Services (ITBS), Engineering and R&D Services (ERS), and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations, and next generation digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P. HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities, and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences, and Healthcare and Public Services.

As a leading global technology company, HCL takes pride in its diversity, social responsibility, sustainability, and education initiatives. As of 12 months ending on December 31, 2020, HCL has a consolidated revenue of US\$ 10 billion and its 159,682 ideapreneurs operate out of 50 countries. For more information, visit www.hcltech.com



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