

Protect Kubernetes in Production with HPE Ezmeral and Runecast

Monitor and secure your Kubernetes infrastructure

Modern IT environments often span multiple technology domains, requiring many different tools for management. As workloads move from virtual machines (VMs) into the cloud and Kubernetes space, it is easy to lose visibility of the varying best practices and security standards. Monitoring and security are more challenging because IT administrators often need to use multiple tools for VMs and Kubernetes. Runecast on HPE Ezmeral Runtime Enterprise solves this problem with a single interface by providing monitoring, best practices, and security/compliance checks for Kubernetes, public cloud, and VMs.

their Kubernetes clusters outage and system degradation, implementing good Kubernetes Security Posture Management practices. Runecast provides a single monitoring environment for your Kubernetes infrastructure, such as the HPE Ezmeral platform, VMware® (also VMware Cloud™ on AWS), as well as for AWS public cloud, Microsoft Azure, Google Cloud Platform (GCP), and more.

Manage security posture and best practices adoption across platforms

Runecast has partnered with Hewlett Packard Enterprise to enable HPE Ezmeral Runtime Enterprise users to ship and deploy container applications safely in a multicloud environment. Using Runecast, HPE Ezmeral Runtime Enterprise users can improve business continuity by proactively reducing

Runecast supports automated HPE Ezmeral Runtime Enterprise configuration analysis at the infrastructure level by covering common cluster operational and security best practices for Kubernetes (KSPM), as well as the Center for Internet Security (CIS) Benchmark, and now providing Image Scanning and Admission Control for Kubernetes. A simple-to-use dashboard, Runecast—in conjunction with HPE Ezmeral Runtime Enterprise—provides insights into latent risks.

Runecast shows how administrators should configure their HPE Ezmeral Runtime Enterprise resources and workloads and explain why. In doing so, less experienced IT staff can be more efficient in their day-to-day operations with managing Kubernetes.

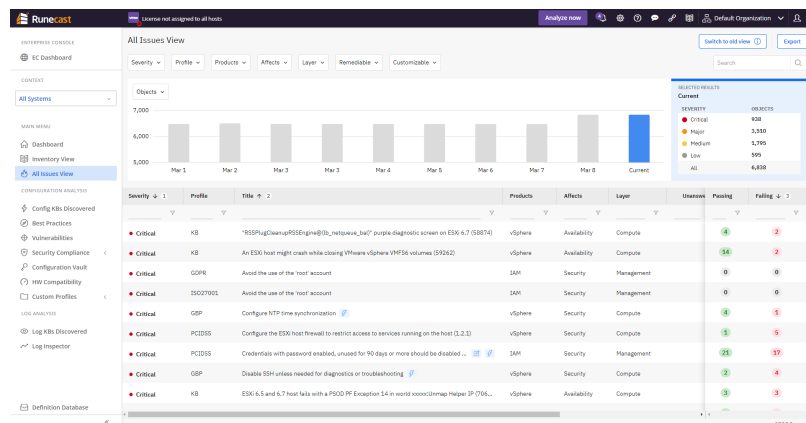


Figure 1. Runecast monitoring dashboard

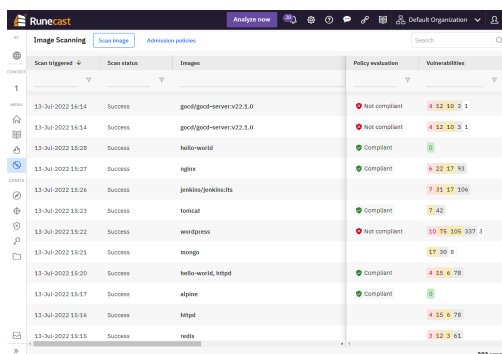


Figure 2. Runecast K8s dashboard

Runecast can perform regular scans of the HPE Ezmeral Runtime Enterprise against industry knowledge bases, documentation, best practices, and security standards such as CIS. IT administrators can quickly gain visibility of configuration risks and drifts from known-good configurations. Runecast highlights these issues, providing IT users with the remediation steps directly within the Runecast UI. The Inventory View (Figure 1) allows users to visually explore their HPE Ezmeral Runtime Enterprises, giving fast visibility into configuration issues while also displaying their remediation recommendations.

Security standards in the multicloud world

By deploying Runecast on the HPE Ezmeral Runtime Enterprise, it is possible to track compliance with any number of desired states and best practices. In addition, with Runecast Custom Profiles, IT users can also build a custom ruleset to track any internal audit standards. The scans from Runecast provide insights into rich, historical data to highlight continuous compliance and gain visibility into how HPE Ezmeral Runtime Enterprise environments change over time.

- Centralized dashboard for HPE Ezmeral Runtime Enterprise and VMware best practices alerts
- Custom profiles that monitor compliance with user business policies
- Complete on-premises deployment within the application, with no data leaving your control
- Simple-to-use dashboard showing issues at-a-glance, with minimal time to value
- Explore your system hierarchies with the Inventory View, making it easy to highlight 0-day vulnerabilities and more
- Constant knowledge base updates (updates published at least weekly) to enhance security and risk detections
- CI/CD integration acts as an admissions controller, scanning and verifying workloads

HPE has partnered with Runecast to help companies confidently run cloud-native workloads on HPE Ezmeral Runtime Enterprise. By automating security, compliance, and monitoring for a secure DevOps workflow, developers and platform teams can help maximize their application release velocity on HPE Ezmeral Runtime Enterprise.

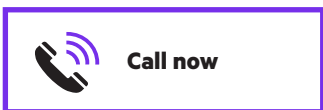
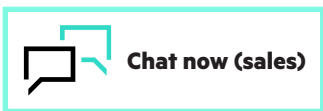
Benefits

Runecast and HPE Ezmeral Runtime Enterprise together deliver powerful insights to identify configuration and security issues.

- Best practices and CIS security recommendations on every object within your cluster and namespaces

Learn more at
hpe.com/us/en/software/marketplace/runecast.html

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 Contact our presales specialists.



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