



Integrated Security & Data Protection for Red Hat OpenShift Platform Plus

Kasten by Veeam helps secure, protect & manage OpenShift application data for a consistent platform experience.

Red Hat Software Partner



Kasten by Veeam delivers reliable backup & recovery for Kubernetes application data and enables containerized workloads on traditional infrastructure to move to more agile cloud environments.

Why Kasten for OpenShift:

Built for Kubernetes
Constructed using Cloud Native architectural principles. Provides simplicity via streamlined operations.

Security Everywhere

Comprehensive end-to-end security via enterprise-grade encryption and ransomware protection. Delivers maximum versatility, protecting data no matter its state or location.

Ease of Use

Quick to deploy and easy to use via a state-of-the-art management interface or a Cloud Native API. Enables DevOps team agility and reduces the complexity of identifying and protecting system applications.



Technology Partner



Certified Technology

A Comprehensive & Secure Hybrid Platform for Intelligent Applications

Red Hat OpenShift Platform Plus is a single, hybrid cloud platform composed of Red Hat OpenShift, OpenShift Managed Services, Red Hat Quay, ACM, and ACS. Multiple layers of Kubernetes-native security, manageability, and automation work across infrastructures to provide consistency throughout the software supply chain, helping enterprises build, deploy, run, manage, and secure innovative applications at scale.

The tight integrations between Kasten by Veeam & Red Hat OpenShift, [Advanced Cluster Security \(ACS\)](#) and [OpenShift Data Foundation](#), allow you to seamlessly incorporate data protection as part of application development and deployment through the comprehensive offerings of [Red Hat OpenShift Platform Plus](#).

Leveraging Kasten in conjunction with Red Hat OpenShift Platform Plus enables organizations to manage, protect, and move workloads across hybrid and multicloud environments. While Red Hat OpenShift Platform Plus provides consistent cluster management, resource management, and observability, Kasten delivers enterprise-grade data protection and mobility across clusters, through a single pane of glass.

Consistency & Control for Your Kubernetes Data

Protecting container application data requires specialized backup and recovery technology that directly addresses the complexity of interwoven data, application, and infrastructure components. This means traditional backup, DR, and security tooling aren't enough.

As a Kubernetes native application deployed on Red Hat OpenShift Platform Plus solutions, Kasten fortifies multicluster management and security while extending data protection capabilities. As organizations look to efficiently build and protect cloud-native applications at scale, Kasten helps OpenShift customers:

Simplify Transformation to Hybrid Cloud

When deployed on OpenShift, Kasten can auto-discover all applications and components in your environment. Using Kasten Transform Sets, you can modify application configuration and change namespaces, labels, annotations, storage classes, or secrets. This allows your organization to migrate applications between heterogeneous clusters, clouds and regions while maintaining, configuration, functionality and security.

Easily Backup & Restore Applications Anywhere

Automatically capture and protect an entire application stack, including resource definitions, configuration, and underlying data to restore to a known good state. Through the Kasten integration with OpenShift Data Foundation, you can extend compatibility, security, and scalability across environments through policy-driven automation. Manage where and how your backups are securely replicated to off-site storage while enabling near-zero RTO for Kubernetes workloads.

Protect Against Ransomware & Prevent Data Loss

Configure policies to automate disaster recovery workflows, leverage Kubernetes-native RBAC, and benefit from backup immutability to protect recovery paths and application data from ransomware attacks. The Kasten integration with ACS also provides enhanced visibility, proactive threat detection, and reliable data protection to ensure a resilient and secure environment for Kubernetes, no matter where you run your cloud native workloads.

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“As the number of containers running in production continues to increase, organizations need security and data protection capabilities that are able to scale with their deployments. Through our collaboration with Kasten by Veeam, we are providing customers with additional flexibility and choice in how they protect their Kubernetes workloads.”

Kirsten Newcomer,
 Director, Cloud and DevSecOps Strategy,
 Red Hat

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Native Data Protection for Red Hat OpenShift Everywhere

While Kubernetes helps address the challenges of ensuring high availability and scalability of application services, these benefits do not extend to application data. A 2023 ESG report notes that 48% of Kubernetes end users say it is a challenge to manage backup and recovery of container-based applications in a hybrid cloud environment.

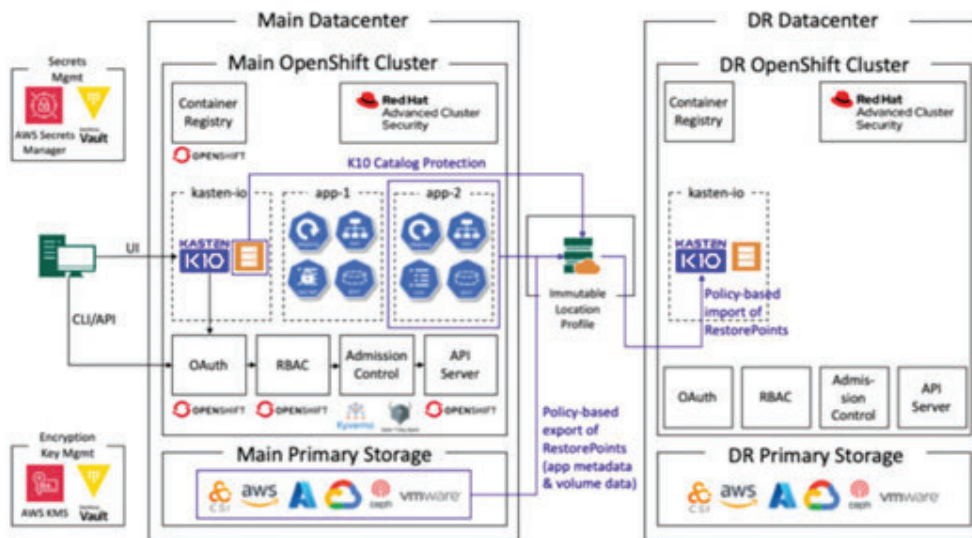


Figure 1: Protecting Red Hat OpenShift Application Data

As organizations rapidly deploy container-based business-critical applications in production, it is a critical imperative faced by operators to deliver effective and reliable Kubernetes native backup. Kasten makes it easy to backup, recover, and protect OpenShift applications with the following capabilities:

- ▶ **Application Centricity:** Applications are the operational unit for Kasten. Kasten K10 automatically discovers all applications and associated artifacts within OpenShift clusters, allowing Backup Administrators and Platform Operations teams to quickly and easily protect workloads, while minimizing complexity.
- ▶ **Policy-driven Automation:** Automated policies enable operators to set up custom and default policies to meet their backup management needs, providing automated enforcement to help meet Service Level Agreements (SLAs). Because Kasten is Kubernetes native, data protection policies can be integrated directly within CI/CD pipelines.
- ▶ **Freedom of Choice:** As a certified OpenShift operator, Kasten’s ecosystem focus enables seamless support for storage and data services within and across clusters, regions and cloud, neatly abstracting infrastructure complexity.
- ▶ **Observability:** An intuitive UI and feature-rich dashboard enable users to easily manage the data protection status of all applications. Out-of-the-box dashboards, metrics, and alerts provide deep insights into the environment and across multiple OCP clusters.
- ▶ **Enhanced Extensibility:** Kasten helps to minimize time to deployment by enabling teams to select the right tool for a task. Because Kasten is Kubernetes native, it easily integrates with tools of choice in operational Kubernetes environments, such as external data services, and monitoring and alerting tools.

Kasten is a certified OpenShift operator, is quick to install from the [Red Hat Marketplace](#) and supports flexible licensing. Learn more about the partnership between [Red Hat](#) and [Kasten by Veeam](#), and get started today with a free, fully featured version of Kasten up to 5 nodes.

About Kasten by Veeam

Kasten by Veeam is a Kubernetes data protection platform that provides teams with an easy-to-use, scalable, and secure system for backup & restore, disaster recovery and application mobility.

About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

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