Kasten K10 by Veeam

The #1 Kubernetes backup

Challenge

Properly backing up and efficiently protecting the increasingly stateful Kubernetes applications remains a challenge.

Purpose-built for Kubernetes, Kasten K10 data management platform provides enterprise operations teams an easy-to-use, scalable and secure system for backup/restore, disaster recovery and application mobility of Kubernetes applications. Kasten K10's application-centric approach and deep integrations with relational and NoSQL databases, Kubernetes distributions and clouds provide teams freedom of infrastructure choice and maximum operational simplicity.

✓ **Backup and restore**

Protect your cloud-native applications and business-critical data by deploying a truly Kubernetes-native backup solution.

✓ **Disaster Recovery**

Use automated policies to manage how backups are securely replicated off-site and will meet business and regulatory requirements.

✓ **Application mobility**

Move entire applications between clouds and on-premises for test/dev, load balancing and upgrades.

Key capabilities

Built for Kubernetes

- **Kubernetes-native:** K10 is purpose-built for Kubernetes and constructed with cloud-native architectural principles.

- **Application-centric:** Captures the entire application stack by taking a consistent application-to-infrastructure view.

- **Full-spectrum consistency:** Enables you to choose consistency levels while protecting data and the use of eventually consistent data services

Easy of Use

- **Deployment and versatility:** K10 is quick to deploy and easy to use through a state-of-the-art management interface or a cloud-native API. K10 has the versatility to easily accommodate complex applications.

- **Auto discovery:** Automatically scans the environment upon deployment and identifies all the applications that need protection.

- **Policy driven:** Supports automated protection policy to support service level agreements (SLAs) and compliance needs.

Security Everywhere

- **Authentication:** Out-of-the-box support for Kubernetes authentication classes

- **Authorization:** K10 supports and extends Kubernetes-native role-based access control (RBAC)

- **Encryption:** End-to-end encryption of applications, configurations, data and associated metadata artifacts both in flight and at rest.

Rich Ecosystem

- **Data services:** Supports all leading applications and data sources (e.g., Cassandra, MongoDB, Kafka, etc.)

- **Distributions:** Kubernetes distributors (e.g., OpenShift, Rancher, etc.) and cloud vendors (e.g., AWS, Google, Azure, etc.)

- **Storage:** Cloud storage (e.g., AWS, Google, Azure) and on-premises (e.g., EMC, NetApp, etc.)
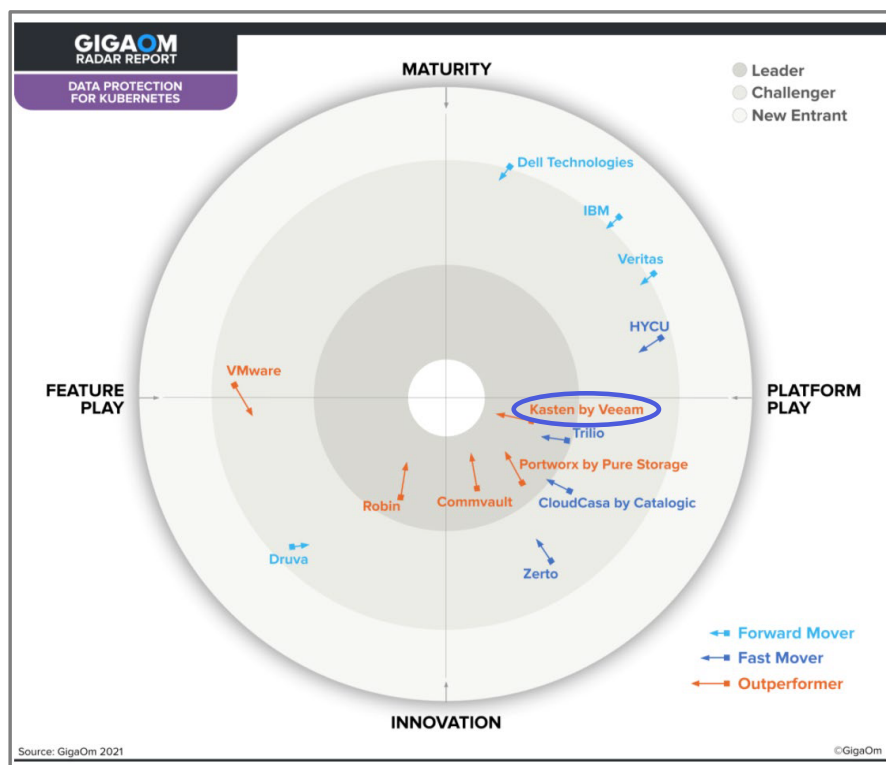
Kasten K10 is a Kubernetes-native, mature solution that's very suitable for self-hosted, self-managed use cases. It's architecture scales well and is especially well-suited for edge deployments. It's RBAC features and centrally managed policy model are well aligned with large enterprise and self-service requirements. It's application-aware data management framework, Kanister, is promising and quickly maturing. It has good support for on-premises repositories.

— Enrico Signoretti,
Senior Data Storage Analyst,
GigaOm,
December 2021

"We chose Kasten K10 for our Kubernetes backup and recovery solution because of its extensibility, and cloud-native architecture, and because it's purpose-built for Kubernetes. Out of all the solutions we evaluated, Kasten K10 fit best into our infrastructure."

— Mark Lehmann,
Director ARIS, Governance and Cloud,
Software AG