

Kasten K10 for Kubernetes

#1 Kubernetes Backup

Challenge

Easily backing up and efficiently protecting a growing number of cloud native applications.

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:** Kasten 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 databases



Easy to Use

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



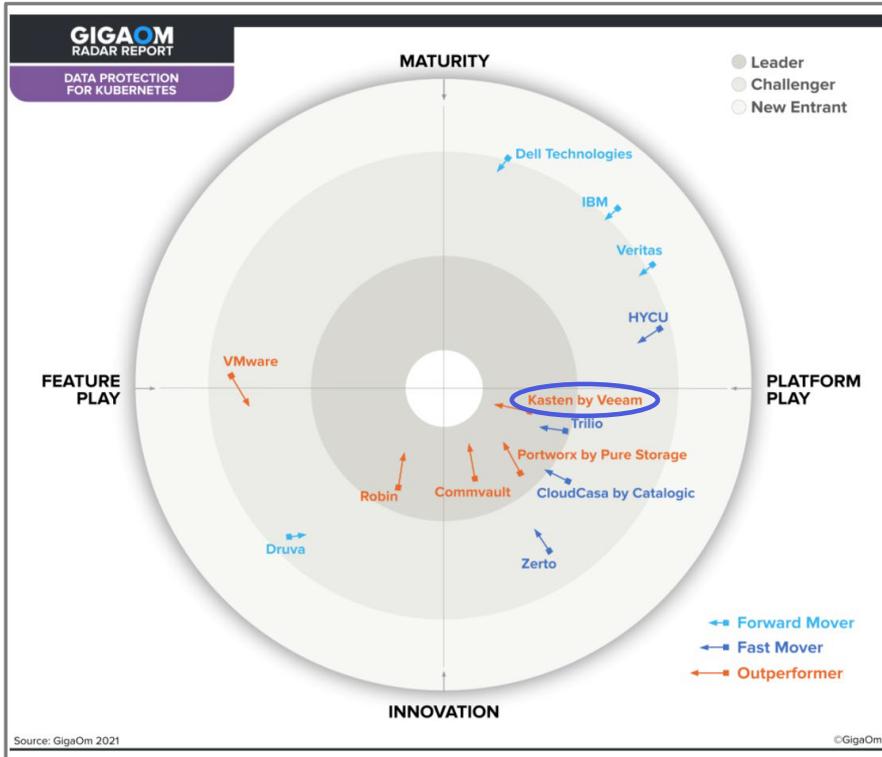
Security Everywhere

- **Authentication:** Out-of-the-box support for Kubernetes authentication classes
- **Authorization:** Kasten 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, Amazon RDS, etc.)
- **Distributions:** Kubernetes distributions (e.g., Red Hat OpenShift, Amazon EKS, VMware Tanzu, Azure AKS, Google GKE, etc.)
- **Storage:** Cloud storage (e.g., AWS, Google, Azure) and on-premises (e.g., EMC, NetApp, etc.) including immutability for ransomware protection



Kasten K10 is a Kubernetes-native, mature solution that's very suitable for self-hosted, self-managed use cases. Its architecture scales well and is especially well-suited for edge deployments. Its RBAC features and centrally managed policy model are well aligned with large enterprise and self-service requirements. Its 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

