

Kasten K10 for Kubernetes

#1 Kubernetes Data Protection

Challenge

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

Purpose-built for Kubernetes, Kasten K10 data protection 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, data management 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.



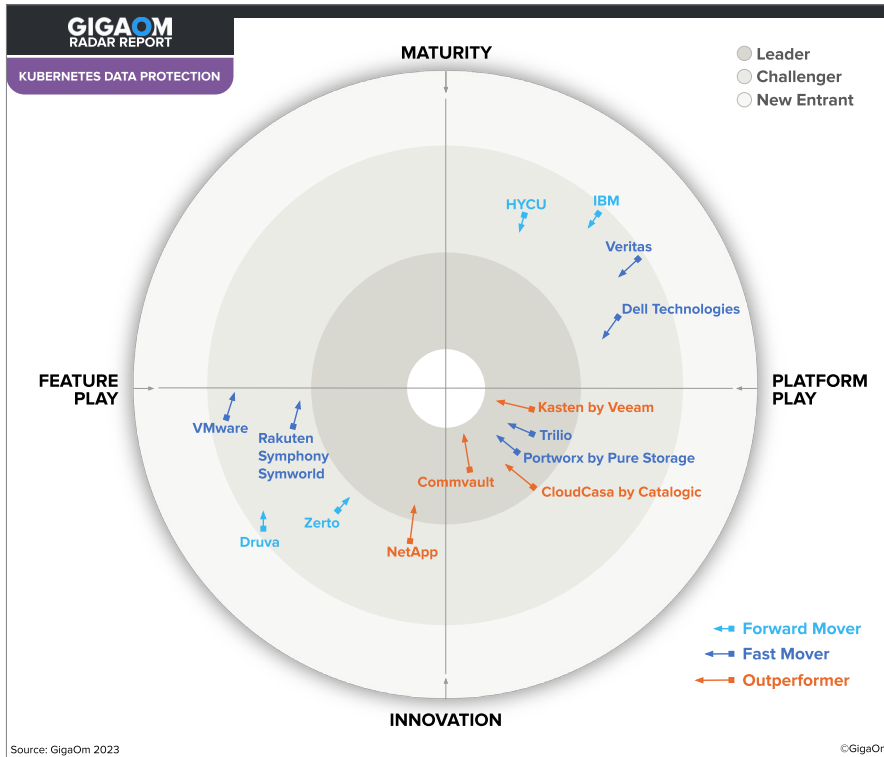
Security Everywhere

- **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 well suited to protect complex applications spanning container, cloud-native, and VM-based deployments at large enterprise deployments.

Kasten K10's Role-Based Access Control (RBAC) features and centrally managed policy model are well aligned with large enterprise and self-service requirements.

Kasten K10 is extremely easy to use, with a high-quality GUI, consistent APIs, and a handy CLI”

– **Joep Piscaer**,
GigaOm analyst and author of the report, January 2023

“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

