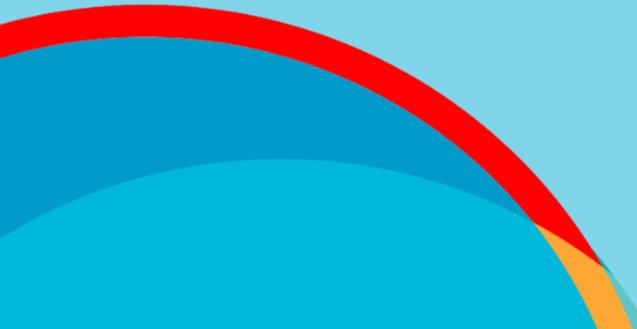




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**KASTEN**  
by Veeam



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# Protezione e migrazione di applicativi Kubernetes grazie a Veeam Kasten K10

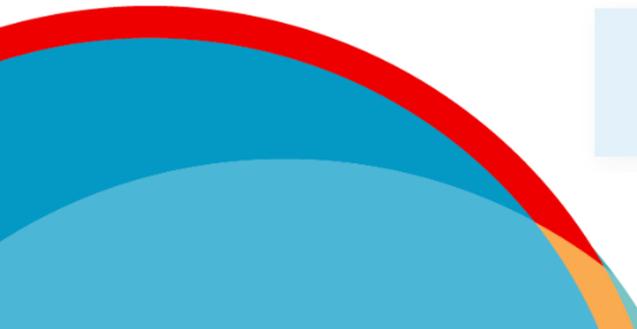
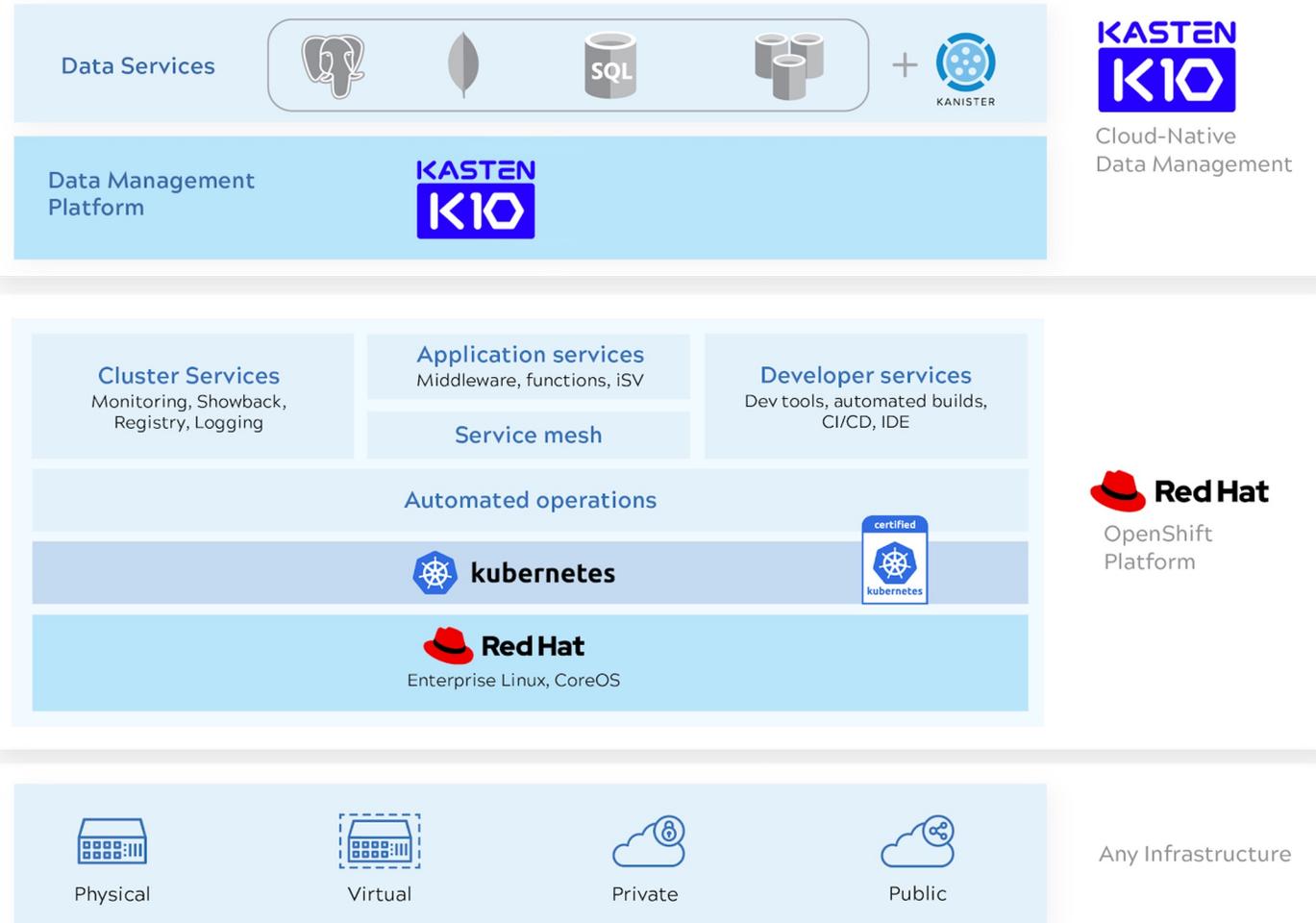
**KASTEN**  
by Veeam

**Roberto Dellavedova**

Enterprise Systems Engineer  
Veeam Software

# Kasten K10 on Red Hat OpenShift

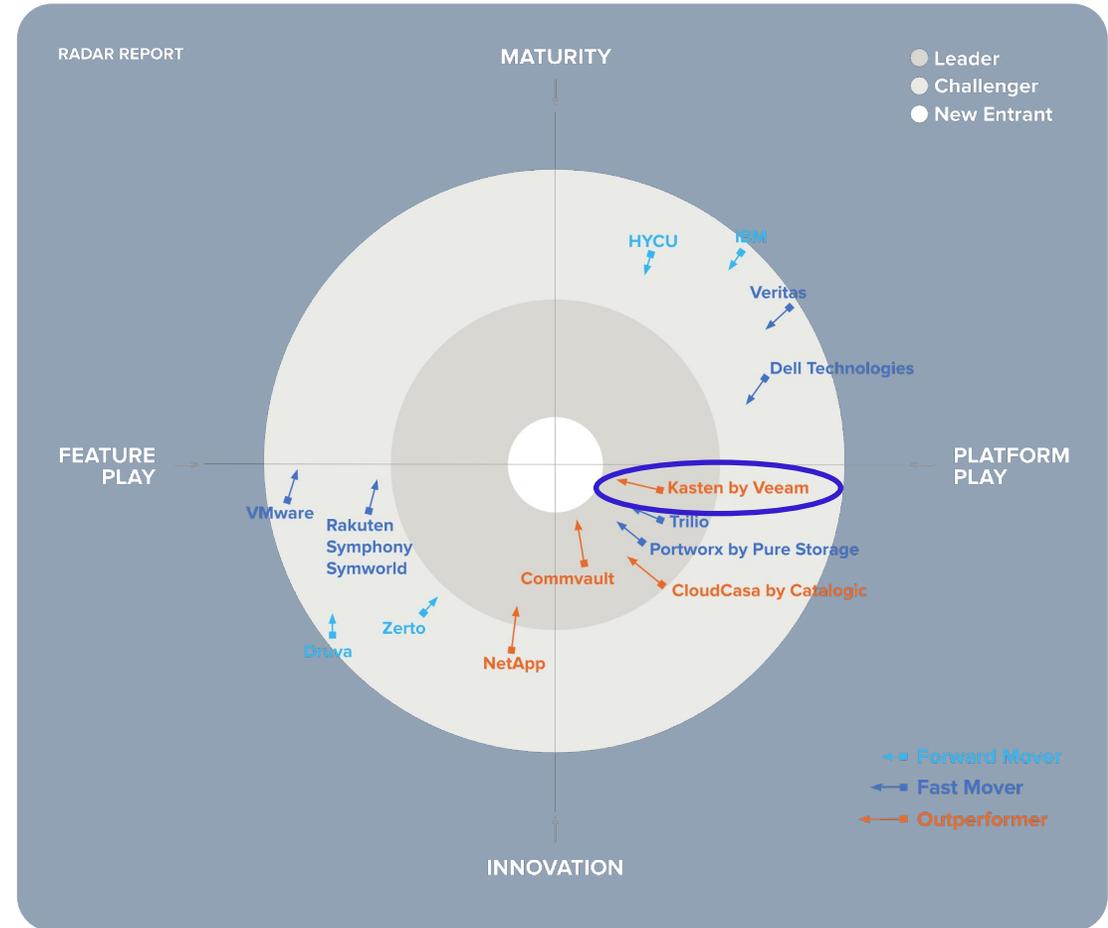
Native data protection and DR solution for Red Hat OpenShift



Recognized by GigaOm as

# #1 Kubernetes Data Protection

3x Time Leader and Outperformer Kubernetes Data Protection



# Kasten by Veeam Use Case

Kasten's **Mission** is tackling Day 2 data management challenges to help enterprises confidently run applications on **Kubernetes**.

**Backup & Restore**



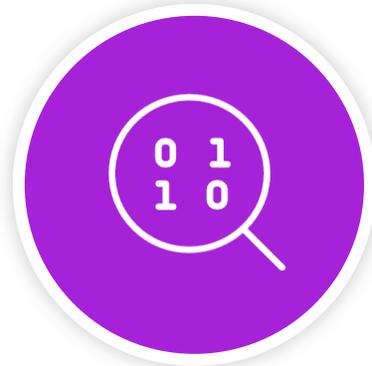
**Disaster Recovery**



**Application Mobility**



# How Kasten K10 Works



## Discover

Automated discovery  
of your Kubernetes application



## Protect

Secure your Kubernetes  
application and data



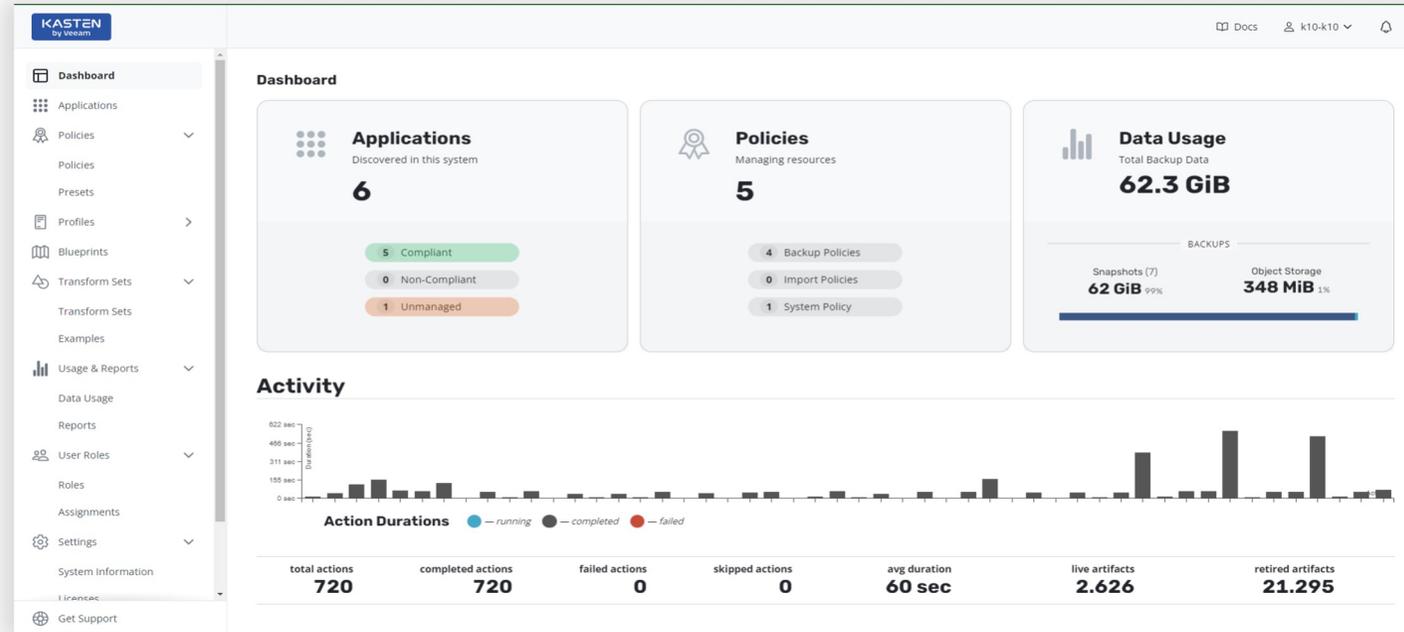
## Restore Anywhere

Quickly and effectively restore your  
Kubernetes application and data

# Discover

## Capture your entire Kubernetes application stack

- Automatically discovers your Kubernetes applications and inventory all dependencies
- Includes resource definitions, configuration and underlying data
- Integrates with relational and NoSQL databases, all major Kubernetes distributions



# Protect

## Complete application protection

- Creates a copy of containers and specified data, and automatically updates the backup at a rate
- Ensures comprehensive protection across multiple clusters and clouds
- Automated policies enable you to meet your backup SLAs

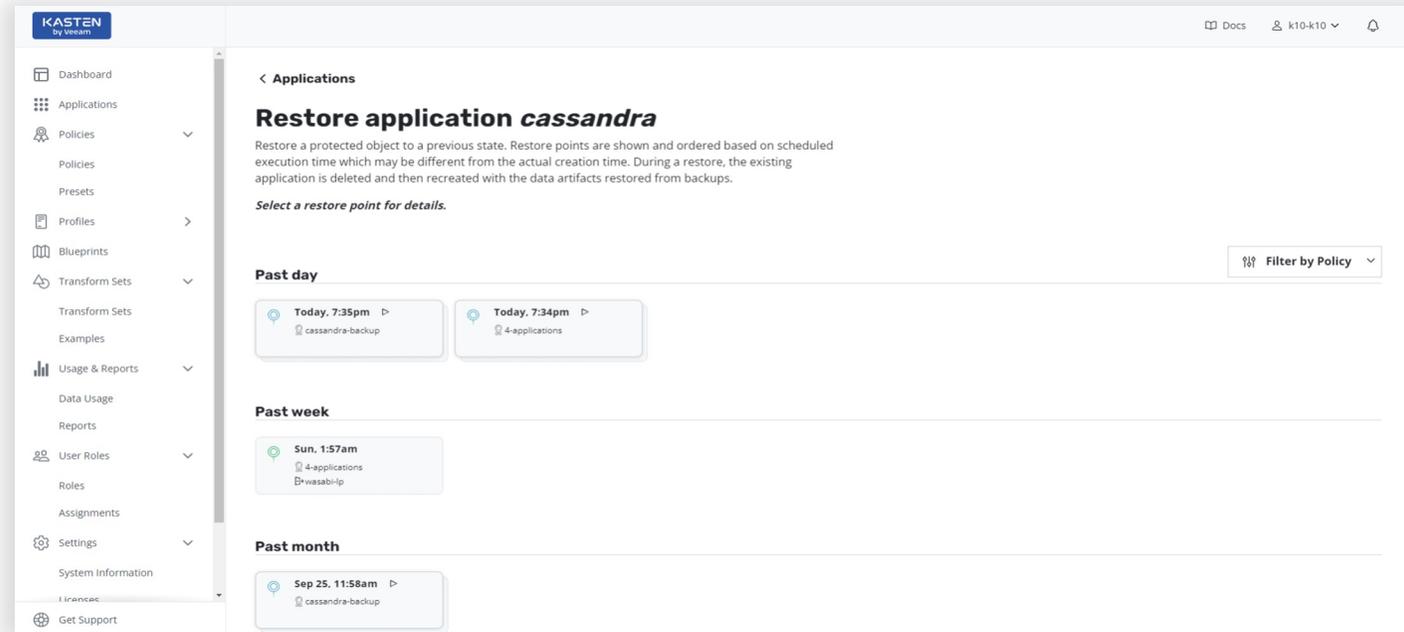


The screenshot displays the Kasten by Veeam dashboard. On the left is a navigation sidebar with options like Dashboard, Applications, Policies, Profiles, Blueprints, Transform Sets, Usage & Reports, User Roles, and Settings. The main content area shows a 'Dashboard' view for a 'cassandra-backup' action. The action is in a 'RUNNING' state, started at 'Today, 7:35pm'. Below this, there are two action cards: 'Export' (Monitoring Actions) and 'Backup' (Snapshotting Application Components). The 'Backup' card shows 12 artifacts and lists specific snapshotting tasks for application configuration and workload.

# Restore anywhere

## Coordinated application recovery

- Restores the entire application and data across clusters, regions, clouds
- Recover from user errors, infrastructure failure, disasters or malicious attacks
- Leverage blueprints to properly orchestrate the restore of your application and data



# Protect Stateful Applications

Create **application consistent backups** with Kasten Blueprints



Amazon RDS



Cassandra



MongoDB



SQL Server



PostgreSQL



MySQL



K8ssandra



Elasticsearch



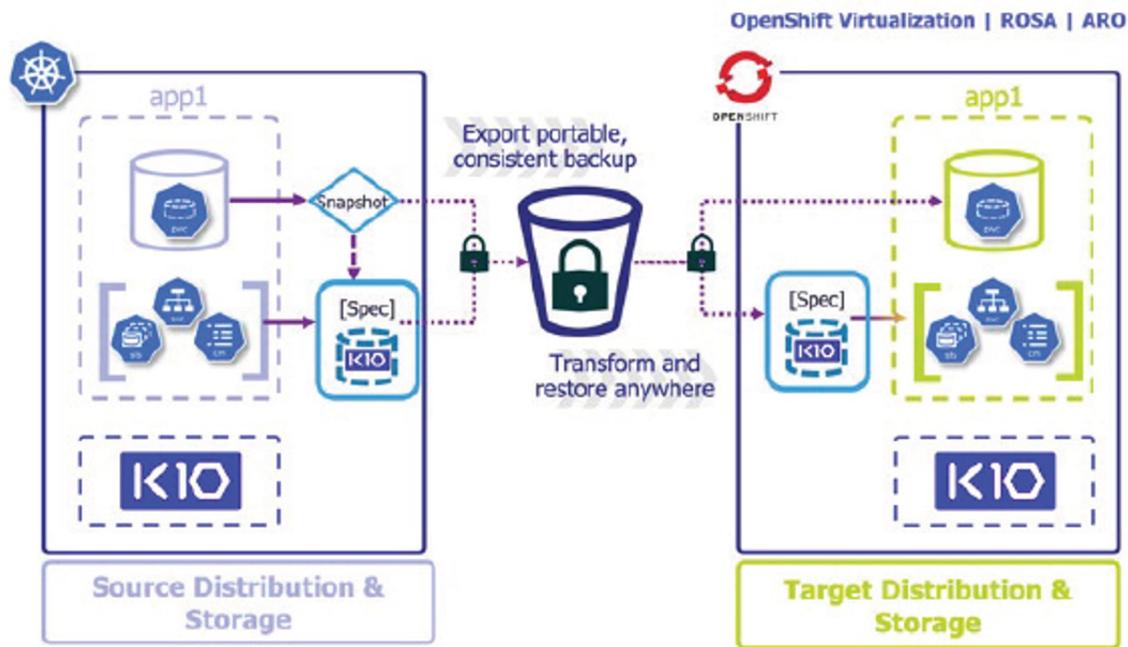
Kasten



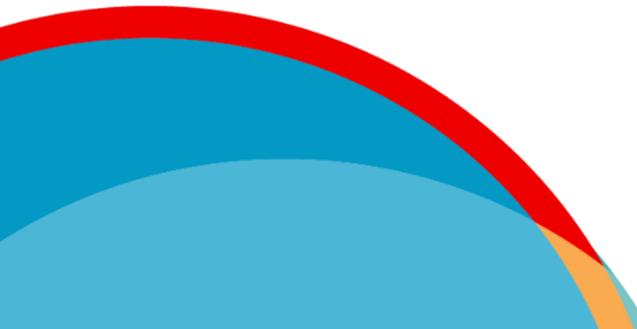
Kafka

# Application Migration

Migrate applications to OpenShift



Resource	Transform Examples
Ingress	Change FQDNs
Service Account	Merge image pull Secrets
Storage	Change StorageClass
Registry	Transform registry URLs for applications
StatefulSets	Transform DNS names, e.g., workload URLs
Secrets	Filter by label, e.g., Remove TLS secret for auto-regeneration
OpenShift	Internal updates, e.g., OCP ImageStream tags



# Ransomware Protection



## Integration with Red Hat Advanced Cluster Security for Kubernetes

The screenshot shows the Red Hat Advanced Cluster Security for Kubernetes dashboard. The left sidebar contains navigation options: Dashboard, Network Graph, Violations, Compliance, Vulnerability Management, Configuration Management, Risk, and Platform Configuration. The main content area is divided into four panels:

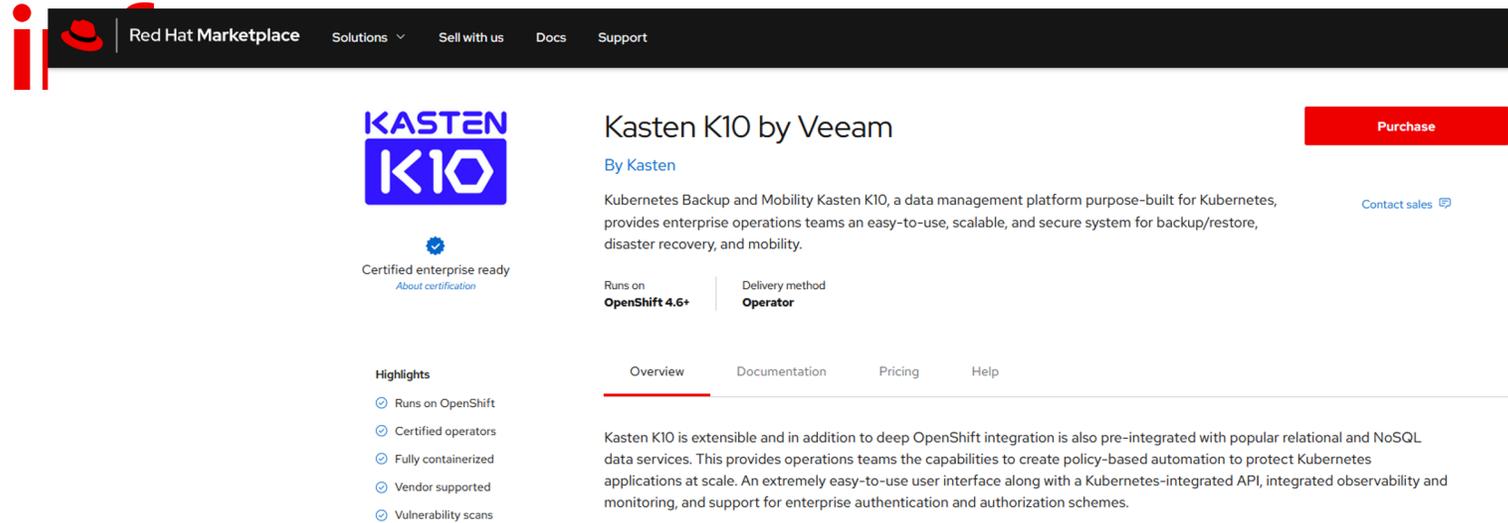
- 36 policy violations by severity:** A bar chart showing 21 Low, 15 Medium, 0 High, and 0 Critical violations. A 'View all' button is present.
- Active images at most risk:** A table listing images with their risk priorities and CVE counts. All images show 0 fixable critical and important CVEs.
- Deployments at most risk:** A table listing deployments with their resource locations and risk priorities.
- 0 Active aging images:** A message indicating no data was found in the selected resources.

Images	Risk priority	Critical CVEs	Important CVEs
rich-access-174020/remissary	6	0 fixable	0 fixable
kasten/k10-operator	6	0 fixable	0 fixable
rich-access-174020/cephtool	7	0 fixable	0 fixable
rich-access-174020/frontend	9	0 fixable	0 fixable
rich-access-174020/karister	9	0 fixable	0 fixable
rich-access-174020/admin	9	0 fixable	0 fixable

Deployment	Resource location	Risk priority
executor-svc	in "elliott/kasten-io"	59
state-svc	in "elliott/kasten-io"	63
logging-svc	in "elliott/kasten-io"	64
gateway	in "elliott/kasten-io"	65
crypto-svc	in "elliott/kasten-io"	66



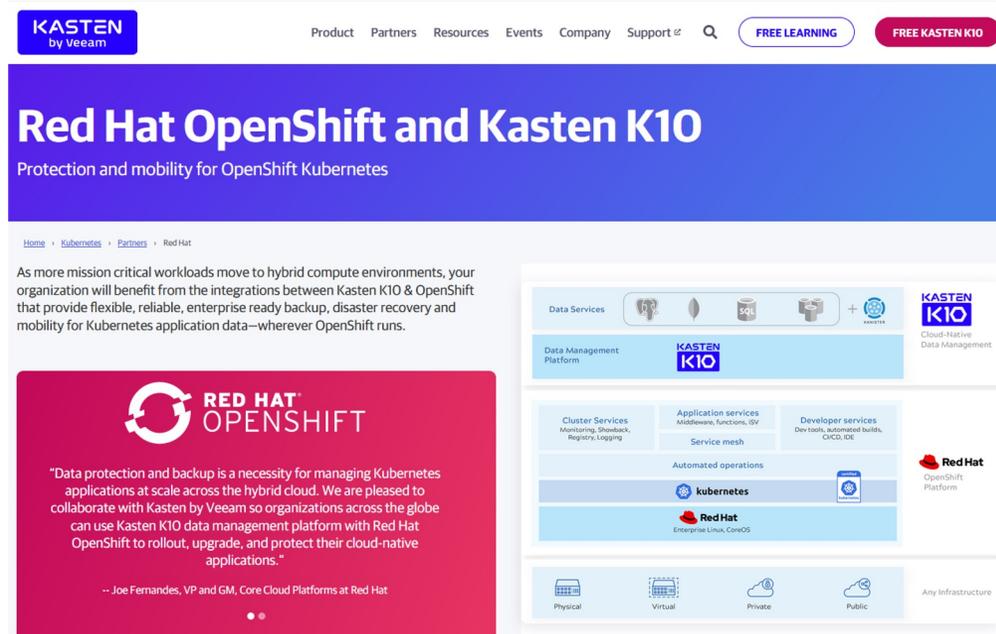
# Where to find more



The screenshot shows the Red Hat Marketplace product page for Kasten K10 by Veeam. The page features the Kasten K10 logo, a 'Purchase' button, and a 'Contact sales' link. It also includes a 'Certified enterprise ready' badge and a list of highlights: Runs on OpenShift, Certified operators, Fully containerized, Vendor supported, and Vulnerability scans. The main text describes Kasten K10 as a data management platform purpose-built for Kubernetes, providing enterprise operations teams with an easy-to-use, scalable, and secure system for backup/restore, disaster recovery, and mobility. It also mentions that Kasten K10 is extensible and pre-integrated with popular relational and NoSQL data services.



<https://marketplace.redhat.com/en-us/products/kasten-k10/documentation>



The screenshot shows the Kasten K10 website page. The page features a navigation bar with 'KASTEN by Veeam' and links for 'Product', 'Partners', 'Resources', 'Events', 'Company', and 'Support'. There are also buttons for 'FREE LEARNING' and 'FREE KASTEN K10'. The main heading is 'Red Hat OpenShift and Kasten K10' with the subtitle 'Protection and mobility for OpenShift Kubernetes'. The page includes a quote from Joe Fernandes, VP and GM, Core Cloud Platforms at Red Hat, stating: "Data protection and backup is a necessity for managing Kubernetes applications at scale across the hybrid cloud. We are pleased to collaborate with Kasten by Veeam so organizations across the globe can use Kasten K10 data management platform with Red Hat OpenShift to rollout, upgrade, and protect their cloud-native applications." The page also features a diagram showing the integration of Kasten K10 with various services and infrastructure.

<https://www.kasten.io/partner-red-hat>



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**Thank you**

**KASTEN**  
by Veeam