

# TrilioVault for Kubernetes

ENTERPRISE-GRADE, CLOUD-NATIVE DATA PROTECTION FOR CONTAINER-BASED APPLICATIONS

**Protect your entire application** with Kubernetes-native backup and recovery across any cloud.

TrilioVault for Kubernetes is a cloud-native, application-centric data protection platform that was designed from the ground-up to support the scale, performance and mobility requirements of Kubernetes container environments across any public, private or hybrid cloud environment. TrilioVault for Kubernetes offers backup and recovery of the entire application, including data, metadata and any other Kubernetes objects associated with the application so it is protected and able to be restored from any point-in-time. IT managers, backup administrators and application developers leverage TrilioVault for backup and recovery, migrations, disaster recovery and mobility.

## TRILIOVAULT FOR KUBERNETES FEATURES



**Application-Centric** Protects application data, metadata and Kubernetes objects provisioned via Helm, Operators, Labels and Namespaces.



**Native to Kubernetes & OpenShift** Packaged as an Operator, Deployed as CRDs, fully managed via Kubectl. TrilioVault leverages core K8 APIs and the CSI framework to provide simple snapshot, backup and restore operations.



**Enterprise Class and Ecosystem Tooling** Capabilities include: application hooks, restore transforms, data protection policies and efficient data management. Monitoring integration with Prometheus and Grafana.



**Management console** Intuitive & simple click-driven workflows, application discovery & monitoring.



**Infrastructure Agnostic & Certified** Compatible with any K8s platform, cloud (Private, AWS, GCP, Azure, IBM) or storage (CSI, NSF, S3). Certifications: Red Hat Operator, IBM Cloud & CloudPak, SUSE Rancher, VMWare Tanzu, HPE, Mirantis.



**Easy to Try and Install** Free 30-Day Trial. Free Basic Edition Up to 10 Nodes. Enterprise Edition with Premium Support.

## TRY IT NOW

Experience TrilioVault for yourself by visiting [www.trilio.io](http://www.trilio.io) today!



**Watch**  
a Demo

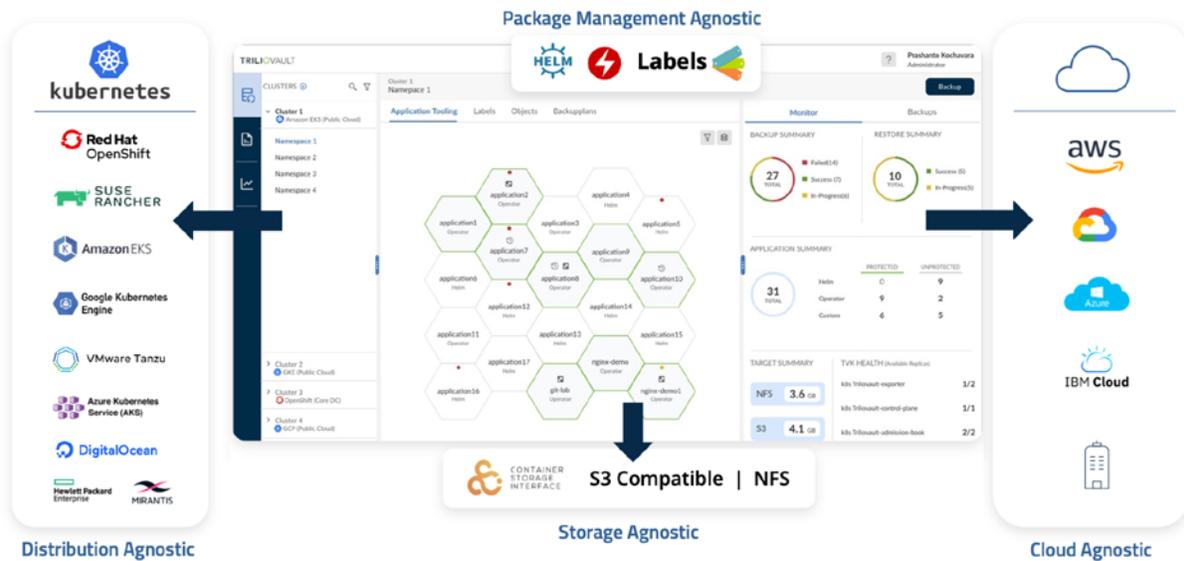


**Test Drive**  
Live Scenarios and Use Cases



**Download a Free Trial**  
or Basic Edition

# ANY PLATFORM, ANY INFRASTRUCTURE, ANY CLOUD



## USE CASES



### BACKUP & RECOVERY

**Point-in-time backup and recovery** to restore application data and metadata. Schedule automated incremental backups with pre-defined policies or on-demand. Selectively restore containers and applications to the same or new cluster or namespace.



### DISASTER RECOVERY

**Recover** any Kubernetes application quickly in the event of a disaster. Build Disaster Recovery (DR) plans to easily select backups from different repositories, specify namespace mappings, and reconfigure the captured data and metadata across multiple applications at one time.



### MIGRATION

**Migrate** to a new Kubernetes cluster regardless of cloud infrastructure. Enable migration of your application and data between clouds (public and private), to optimize for performance and achieve better TCO.



### APPLICATION MOBILITY

**Accelerate** CI/CD pipelines by building multiple test/dev environments, validate code leveraging production data, and push changes into production.



### RANSOMWARE PROTECTION

**Comprehensive protection and recoverability** aligned to support zero trust architectures and the National Institute of Standards and Technology (NIST) cybersecurity framework. Key capabilities include application centric leveraging encryption and immutability.

## HOW IT WORKS



### WHAT

#### TrilioVault Captures

- **Application (Data and Metadata)**
  - Helm
  - Operator
  - Labels
- **Data (Storage Volumes)**
  - All persistent volumes associated with the application
- **Metadata**
  - All Kubernetes resource objects including secrets, config maps, PODs, PVs, etc.

### HOW

#### You Can Restore

- Same namespace
- Same cluster, different namespace
- Different cluster, different namespace
- **Clusters in:**
  - On-prem
  - Public clouds
  - Hybrid clouds

### WHO

#### Can Recover

- Cloud Administrators
- Backup Administrators
- Application Developers
- IT Managers
- DevOps

#### Enabling:

- Backup and Restore
- Disaster Recovery
- Migration
- Application Mobility

## COMPATIBILITY

### CERTIFIED KUBERNETES DISTRIBUTION



### STORAGE



### TARGET



Amazon S3

NFS

S3 Compatible

### ECOSYSTEM TOOLING



### CLOUD



On-Prem

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## About Trilio

Trilio is trusted by global cloud operators to deliver data protection, infrastructure migration and version management. Our TrilioVault technology supports Kubernetes containers like OpenShift, OpenStack hybrid clouds and Red Hat Virtualization environments to recover from disasters, migrate workloads, move workloads to new infrastructures and migrate to new software distributions.

[WWW.TRILIO.IO](http://WWW.TRILIO.IO)

# TRILIO

Contact Us for a Demo\*

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