

MIRANTIS AND TRILIO SOLUTION BRIEF

Cloud-Native Data Protection and Management Across Any Kubernetes, Any Cloud and Any Storage

Overview

As more companies adopt cloud-native technologies like containers and Kubernetes to build new applications and modernize existing apps at scale and management, the need for a robust cloud-native data protection and management platform that is flexible, adaptable and can support multiple platforms is critical.

Traditional approaches to data protection employs agents and relies on proprietary storage to store data. Cloud-native data management platforms are specifically designed for Kubernetes environments with advanced application resiliency; discovery, backup, restore and ransomware recoverability services. In addition, they offer an open, universal backup schema that empowers customers with freedom of choice as it relates to selection of storage, clouds or K8s application package management, all while avoiding vendor lock-in.

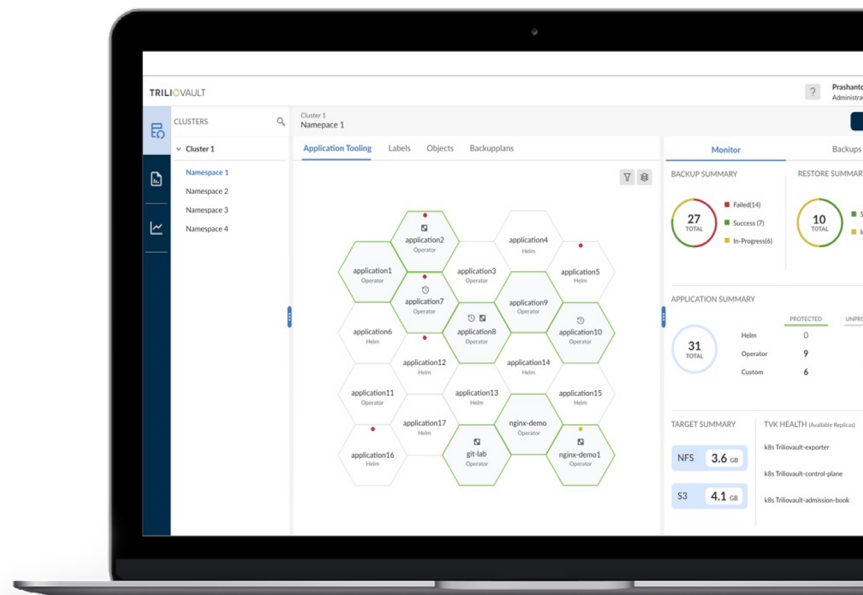
Solution

Mirantis and Trilio have partnered to bring together the power of the Mirantis Kubernetes Engine (formerly Docker Enterprise Universal Control Plane) with the robustness of the TrilioVault for Kubernetes (TVK) data protection and management platform. Customers can quickly deploy Kubernetes and container applications using Mirantis Kubernetes Engine (MKE), while leveraging TVK's enterprise-class cloud-native data protection and restore capabilities to protect and manage data across any cloud, any storage and any Kubernetes distribution.

TVK is an application-centric offering providing backup and recovery of the entire application, including data, metadata and any other Kubernetes objects associated with the application from any point in time.

TVK is packaged as an Operator and deployed as a Custom Resource Definition (CRD), enabling users to quickly install TVK into any container environment without having to learn additional scripting or programming languages.

With TVK, organizations not only improve Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO), but also can have the confidence of migrating applications into production environments with no fear of data loss. From DevOps to ITops, departments can deploy production applications and meet service level agreements along with governance and compliance objectives through enhanced data protection and recoverability.



Features

Databases

- Hooks for all major databases including MySQL, PostgreSQL, Cassandra, MongoDB, InfluxDB

Application-Centric

- Protects data, metadata and Kubernetes Objects, Helm, Operators, Labels and Namespaces

Native to Kubernetes

- Packaged as an Operator, Deployed as CRDs, fully managed via Kubectl

Enterprise Class and Ecosystem Tooling

- Hooks, Restore Transforms, Policies, Prometheus, Grafana

Infrastructure Compatible & Certified

- Compatible with any Storage (CSI, NFS, S3), or any Cloud (Private, AWS, GCP, Azure, IBM, DigitalOcean)

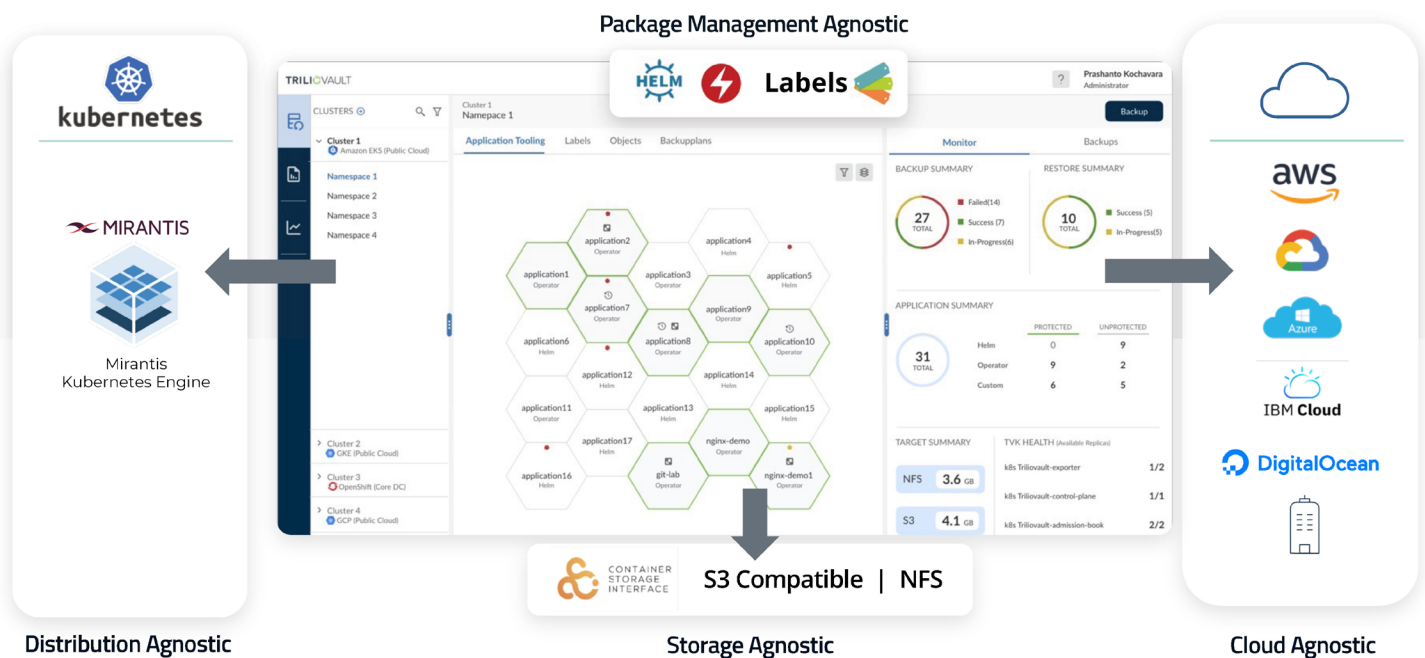
Management Console

- Intuitive & simple click-driven workflows, application discovery & monitoring of K8s applications and multi-cloud environments

Easy to Try and Install

- Demos & Test, 30-Day Free Trial, Free Basic Edition Up to 10 Nodes, Enterprise Edition with Premium Support

Multi-Cloud Data Protection & Management



Use Cases

Backup & Restore

- Schedule automated incremental backups with pre-defined policies or on-demand

Disaster Recovery

- Build Disaster Recovery (DR) plans to easily recover data and select backups from different repositories

Migration

- Migrate to a new Kubernetes cluster regardless of cloud infrastructure

Benefits

- TrilioVault for Kubernetes is pre-validated and certified on Mirantis Kubernetes Engine
- TrilioVault for Kubernetes provides Application Resiliency with Mirantis Kubernetes Engine CSI and Ceph Storage solution
- Single point of support and service for customers

Application Mobility

- Create test/dev environments, validate code and push changes into production

Ransomware

- Protection & recoverability leveraging backup immutability and encryption

About Mirantis

Mirantis helps organizations ship code faster on public and private clouds. The company provides a public cloud experience on any infrastructure from the data center to the edge.

With Lens and the Mirantis Cloud Native Platform, Mirantis empowers a new breed of Kubernetes developers by removing infrastructure and operations complexity and providing one cohesive cloud experience for complete app and DevOps portability, a single pane of glass and automated full stack life cycle management with continuous updates.

About Trilio

Trilio is a leader in cloud-native data protection for Kubernetes and OpenStack environments. Our TrilioVault technology is trusted by cloud infrastructure operators and developers for backup and recovery, migration and application mobility.

Customers in telecom, defense, automotive and financial services leverage TrilioVault to recover from disasters, migrate workloads, move workloads to new infrastructure and migrate to new software distributions.

Ready to Get Started?

Go here to learn more about Trilio and Mirantis

<https://www.mirantis.com/partners/trilio/>