TRILIO

TrilioVault for OpenStack Cloud

ENTERPRISE-GRADE HYBRID CLOUD DATA PROTECTION

TrilioVault is the only OpenStack-native data backup and recovery solution that gives tenants and administrators the ability to **restore entire workloads in one click.**

TrilioVault is the only OpenStack-native data backup and recovery solution that gives projects and administrators the ability to restore entire workloads in one click.

TrilioVault's agentless, software-only solution provides tenant- or project-level self-service protection and recovery of entire workloads. Foundationally architected for the cloud, TrilioVault is forever scalable with zero performance degradation.

Software like TrilioVault helps OpenStack users protect their clouds and efficiently create, store and manage point-in-time backups while providing fast recovery times when required — a crucial element in the data protection continuum.

Plus, TrilioVault is agentless and non-disruptive by design, both during deployment and operation. You can even integrate it with your existing cloud lifecycle management to automate deployment as TrilioVault integrates natively into Openstack deployment tools like Red Hat Director, JuJu or Ansible.

TRILIOVAULT FOR OPENSTACK FEATURES

With TrilioVault You Can ...

Agentless
A TrilioVault data mover runs behind the scenes as part of the NOVA compute node

OpenStack Inetegrated
Fully integrates with all key OpenStack technologies

Self-Service
Tenants can backup & restore their workloads via Red Hat or Canonical interface

Multi-Tenant
Role-based access for secured zones within your cloud.

Scalable
Linear scale with zero degradation

Non-Disruptive
Snapshot capture of entire workloads including VMs

THE ONLY CLOUD-NATIVE DATA PROTECTION SOLUTION FOR OPENSTACK

Native Integration

Capture incremental changes to the blocks in your workloads

- Native APIs
- Distribution-native orchestration tools
- Captures entire workloads
- Incremental forever/synthetic full images
- Application-aware
- Agentless
- Integrates with cloud lifecycle management
- Linear, infinite scale

Self-Service

Recover your entire environment or individual VMs

- Full multi-tenant backup
- Policy-based global job scheduling
- Mounts workloads
- One-click workload restore
- Copy to new location / availability zone
- File and folder recovery
- Migrate to a new cloud

Enterprise Features

Recover your entire environment or individual VMs

- Policy-based global job scheduling
- Tenant- or project-driven
- Keystone & trustee role authorization
- Integrates into Horizon
- Backup to NFS, or S3 compatible storage (Ceph S3)
- Supports all Cinder storage
- Reports on usage and consumption
- Full audit logging
- Service monitoring

TRILIOVAULT FOR OPENSTACK CLOUD

WHAT TRILIOVAULT CAPTURES

- Whole Disk on Block Level
- Complete Network Topology
- Storage Volumes

- Security Groups and Keys
- VMs (Single and Multiple)
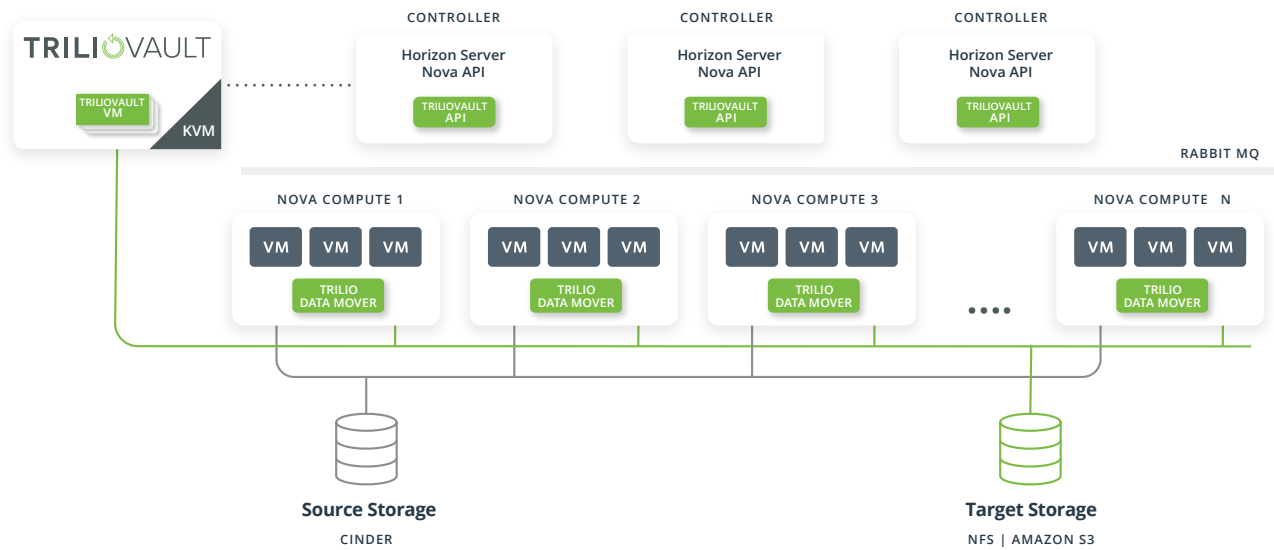- VM Metadata

- Discs & Storage Volumes
- Networks

HOW YOU CAN RESTORE

- Operational Recovery (performed on the fly)
- Disaster Recovery

- Test/Dev
- New Availability Zone

- New Clouds
- Files/Folder–Level Restore

WHO CAN RECOVER

- Cloud Administrators

- Backup Administrators

- Tenants / Project User

HOW IT WORKS

USE CASES

BACKUP & RECOVERY

Application-centric backup and recovery of data and meta data with point-in-time capture of incremental change blocks of the workload via a data mover.

DISASTER RECOVERY

To handle planned or unplanned disasters, TrilioVault enables easy restoration of entire workloads that reflect the clouds last best-known state.

MIGRATION

A tenant or administrator can capture an application and its data and non-disruptively migrate that exact point-in-time to another OpenStack cloud. The need to migrate OpenStack workloads can be driven by economics, security or test/dev.

NETWORK FUNCTIONS VIRTUALIZATION (NFV)

Business critical services like NFV can quickly be configured to any state, assuring optimal quality of service. TrilioVault provides recovery from data damage and allows restoration of entire VNFs, selected VNFCs, or individual data items using a point-in-time working copy. The platform also allows recovery from a disaster by restoring the OpenStack network topology and populating it with a working copy of the entire NFV.

COMPATIBILITY

OPENSTACK DISTRIBUTION	DEPLOYMENT TOOLING	STORAGE TARGETS	OPERATING SYSTEM
Red Hat OpenStack Platform	ANSIBLE	NFS	Red Hat Enterprise Linux
ANSIBLE	Juju	S3 Compatible	CentOS
Kolla	Red Hat Director		ubuntu
TripleO	Heat		

TRY IT NOW
Experience TrilioVault for yourself by visiting www.trilio.io today!

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.

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Contact Us for a Demo*

*www.trilio.io/request-demo/