

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's agentless, software-only solution provides tenant-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 for speed of recovery 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 via Ansible, Puppet, Salt, and Chef.

With TrilioVault, businesses have complete control to backup their clouds in a way that's easily recoverable, requires little-to-no central IT administration, and reduces total cost of ownership.

With TrilioVault, You Can ...

- **Schedule automated incremental backups** on a pre-defined or on-demand basis
- **Easily test backups prior to recovery** (stored in an open QCOW2 format)
- **Quickly recover whole cloud environments** in the event of a disaster
- **Selectively restore virtual machines** to target networks, availability zones, regions, and clouds

The Only Cloud-Native Data Protection Solution for OpenStack



NON-DISRUPTIVE BACKUP

Capture incremental changed blocks of your workloads via a Data Mover

- Captures entire workload
- Incremental forever/synthetic full images
- Enterprise application-aware
- Agentless
- Non-disruptive deployment & execution
- Integrates with cloud lifecycle management
- Leverages native OpenStack APIs
- Linear, infinite scale



ONE-CLICK RESTORE

Recover your whole environment or individual VMs to a point-in-time

- Policy-based global job scheduling
- Instant mount of workloads
- One-click workload restore
- Copy to new location/availability zone
- File & folder recovery
- Migrate to a new cloud



SELF-SERVICE MANAGEMENT

Tenants can restore individual items, VMs, or workloads on-demand

- Tenant-driven & self-service
- Role-based access control
- Integrates into Horizon & Cloudforms GUI
- Back up to NFS, Amazon S3, Ceph S3
- Supports all Cinder storage
- Keystone & trustee role authorization
- Chargeback for tenant usage & consumption

TRILIOVAULT FOR OPENSTACK CLOUD

WHAT TRILIOVAULT CAPTURES

- Applications
- Operating System
- Network Topology
- Storage Volumes
- Security Groups & Users
- VMs (Single & Multiple)
- Data & Metadata

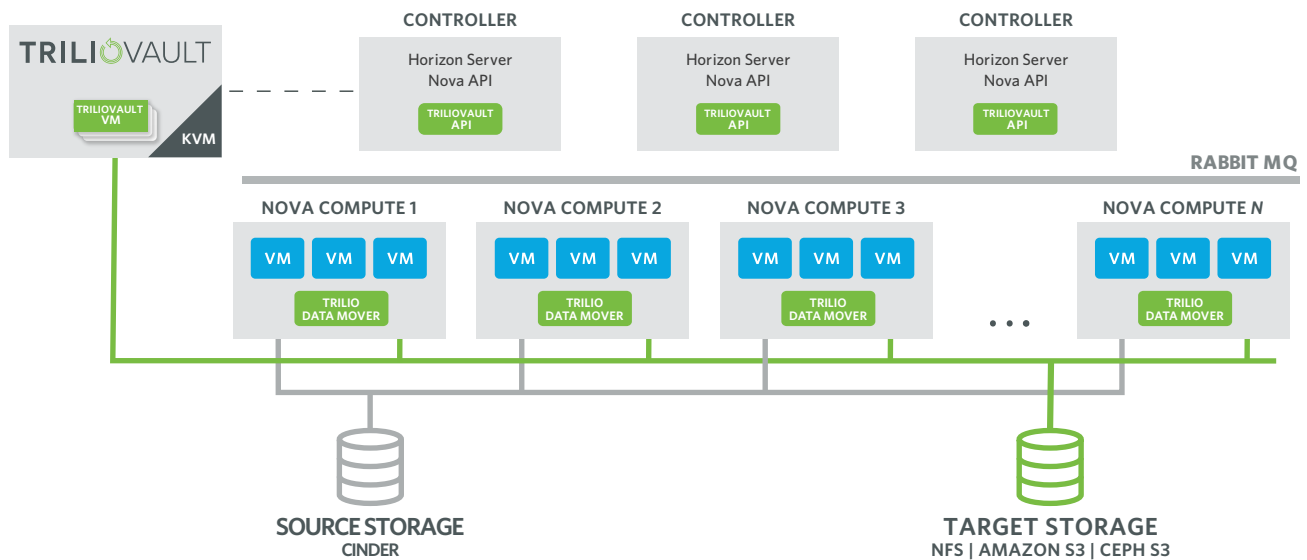
HOW YOU CAN RESTORE

- Operational Recovery
- Disaster Recovery
- Test/Dev
- New Availability Zone
- New Clouds
- Files/Folder-Level Restore

WHO CAN RECOVER

- Cloud Administrators
- Backup Administrators
- Any Privileged Tenant

HOW IT WORKS



Compatibility

OPENSTACK DISTRIBUTIONS



DEVOPS FRIENDLY



STORAGE TARGETS



QUALIFIED APPLICATIONS



MANAGEMENT

Horizon GUI | REST API & CLI | Cloudforms

About Trilio

Trilio is a leader in data protection for OpenStack and KVM environments, and the only provider of OpenStack-native backup and recovery solutions. Since 2013, Trilio has been on a mission to give tenants more control over their ever-changing, growing, complex, and scalable cloud-based architectures. Today, Trilio is trusted by businesses all around the world to protect their clouds in a way that's easily recoverable, and requires little-to-no central IT administration.

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TRILIO

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