cloudcasa by Catalogic

HPE

Red Hat

MULTI-TENANT CLOUD-NATIVE DATA PROTECTION

CloudCasa DR for Red Hat OpenShift & OpenShift Virtualization on HPE Alletra

Red Hat OpenShift helps keep applications running during routine failures. When a cluster or primary site becomes unavailable, recovering the full application is more complex because state spans Kubernetes resources, persistent volumes, policies, and replicated storage across clusters.

CloudCasa DR for Red Hat OpenShift on HPE Alletra

For organizations standardizing on Red Hat OpenShift and HPE Alletra, CloudCasa delivers Kubernetes-aware, storage-integrated disaster recovery alongside existing data protection workflows through a unified operational model.

- OpenShift + HPE Alletra recovery
- Lower effort, repeatable outcomes
- Storage replication–aware DR
- Recovers resources, volumes, VMs
- Cross-cluster
- Beyond backup-based rebuilds

How CloudCasa simplifies OpenShift disaster recovery

Red Hat OpenShift
Containers, VMs, namespaces, policies, and application metadata

→

CloudCasa
Protection policies, recovery orchestration, failover, and failback workflows

→

HPE Alletra
Period and synchronous replication capabilities for persistent application data

Built for OpenShift environments

- Red Hat OpenShift Container Platform
- Red Hat OpenShift Virtualization
- Red Hat OpenShift Virtualization Engine
- Red Hat OpenShift Service on AWS
- Azure Red Hat OpenShift
- OpenShift Dedicated

Designed for HPE storage estates

- HPE Alletra B10000
- HPE Alletra 9000

Red Hat Technology Partner

Red Hat Certified Technology

Value for business continuity

Business continuity teams gain a more repeatable recovery process for stateful Red Hat OpenShift applications. Storage-integrated disaster recovery can reduce recovery time objectives by restoring persistent data from replicated volumes while CloudCasa coordinates recovery of the Kubernetes application layer.

The result is a practical path to protect Red Hat OpenShift applications, OpenShift Virtualization workloads, and HPE-backed persistent data with fewer manual steps and less operational risk during failover events.

Granular recovery and mobility

Business continuity teams gain a more repeatable recovery process for stateful Red Hat OpenShift applications. Storage-integrated disaster recovery can reduce recovery time objectives by restoring persistent data from replicated volumes while CloudCasa orchestrates recovery workflows for namespaces, deployments, StatefulSets, and virtual machines across clusters.

Lightweight agents

Lightweight, stateless agents reduce operational overhead and support continuous protection without requiring heavyweight infrastructure in each cluster.

Enterprise deployment options

CloudCasa is available as SaaS or self- hosted to support different enterprise, service provider, regulatory, and operational requirements.

Move Beyond Backup Restore to Coordinated OpenShift Disaster Recovery

Storage-integrated disaster recovery for OpenShift applications and VMs

CloudCasa extends Red Hat OpenShift protection and recovery workflows with storage-integrated disaster recovery for Kubernetes applications and OpenShift Virtualization workloads. By combining CloudCasa's Kubernetes-aware orchestration with native storage replication from supported enterprise storage platforms, organizations can recover applications and data without relying solely on traditional backup restores.

Source OpenShift cluster

- **Namespaces and application resources**
- **OpenShift Virtualization VMs**
- **PVCs on HPE Alletra**
- **Policies and metadata**

CloudCasa DR orchestration

Coordinates recovery points, validates target readiness, restores Kubernetes resources, maps storage classes, and controls failover and failback workflows.

Target OpenShift cluster

- **Recovered namespaces**
- **Recovered applications and VMs**
- **Replicated PV data**
- **Recovery plan execution**

Repeatable recovery workflow

1 Scope

Define DR policies for Red Hat OpenShift clusters, namespaces, application resources, PVCs, and VMs.

2 Replicate

Use supported HPE Alletra replication to maintain recoverable persistent data at the recovery site.

3 Recover

Recover Kubernetes metadata and resources while persistent volumes are restored from replicated storage copies.

4 Return

Use controlled failover and failback workflows to move applications back when the primary site is ready.

Lower RTO for stateful OpenShift applications

CloudCasa DR reduces recovery time by using remote volume replication instead of rebuilding persistent volumes solely from backup data.

Coordinated OpenShift Recovery

Recovery workflows can target namespaces and workloads, associate replicated persistent volumes with the recovery cluster, apply metadata updates and custom resource transformations, and reduce manual recovery steps.sequence application startup to reduce manual intervention.

VM and container protection together

Red Hat OpenShift customers can protect container applications and virtual machines under a consistent operational model with coordinated recovery across Kubernetes and VM workloads.

Multi-cluster operations

CloudCasa centralizes protection policies, recovery workflows, and operational visibility across multiple clusters while supporting multi-team and multi-tenant environments.

CloudCasa unifies data protection and disaster recovery for Red Hat OpenShift on HPE Alletra

CloudCasa delivers the most cost-effective data protection and storage-integrated disaster recovery for Red Hat OpenShift environments using HPE Alletra storage. It enables automated, repeatable recovery with centralized operations, immutability, granular recovery, and coordinated disaster recovery across containerized and virtualized workloads.

Try CloudCasa for free

casa@cloudcasa.io
+ 201 249 8980
cloudcasa.io