



# CloudCasa for Red Hat OpenShift Backup, Migration, and Disaster Recovery

Comprehensive Data Protection for Containers, VMs, and Hybrid Environments

Red Hat OpenShift integrates enterprise-grade Kubernetes with comprehensive VM support through OpenShift Virtualization (OCP-V). CloudCasa extends this capability with secure, scalable, and user-friendly solutions for backup, disaster recovery, and migration, offering multi-cluster and multi-cloud support. It enables seamless management across various OpenShift environments, including the OpenShift Container Platform (OCP), Red Hat OpenShift Service on AWS (ROSA), Azure Red Hat OpenShift (ARO), OpenShift Virtualization (OCP-V), and OpenShift Virtualization Engine (OVE). CloudCasa is available as both a SaaS and self-hosted solution, adapting to your operational and regulatory requirements.

## KEY FEATURES AND BENEFITS



### Simple and All-inclusive Setup

All-inclusive, cloud native backup, migration, and DR solution. Start protecting your cloud-native and VM workloads in under 10 minutes. With CloudCasa, protecting containerized workloads couldn't be any easier.



### Secure and Tamperproof with Ransomware Protection

Data is encrypted both in transit and at rest, with lockable recovery points and data stored in cloud or private object storage. Immutable backups prevent unauthorized alterations.



### Flexible and Cost-Effective Plans

Includes Kubernetes etcd/resource backups, snapshot management, PV backups and OADP management.



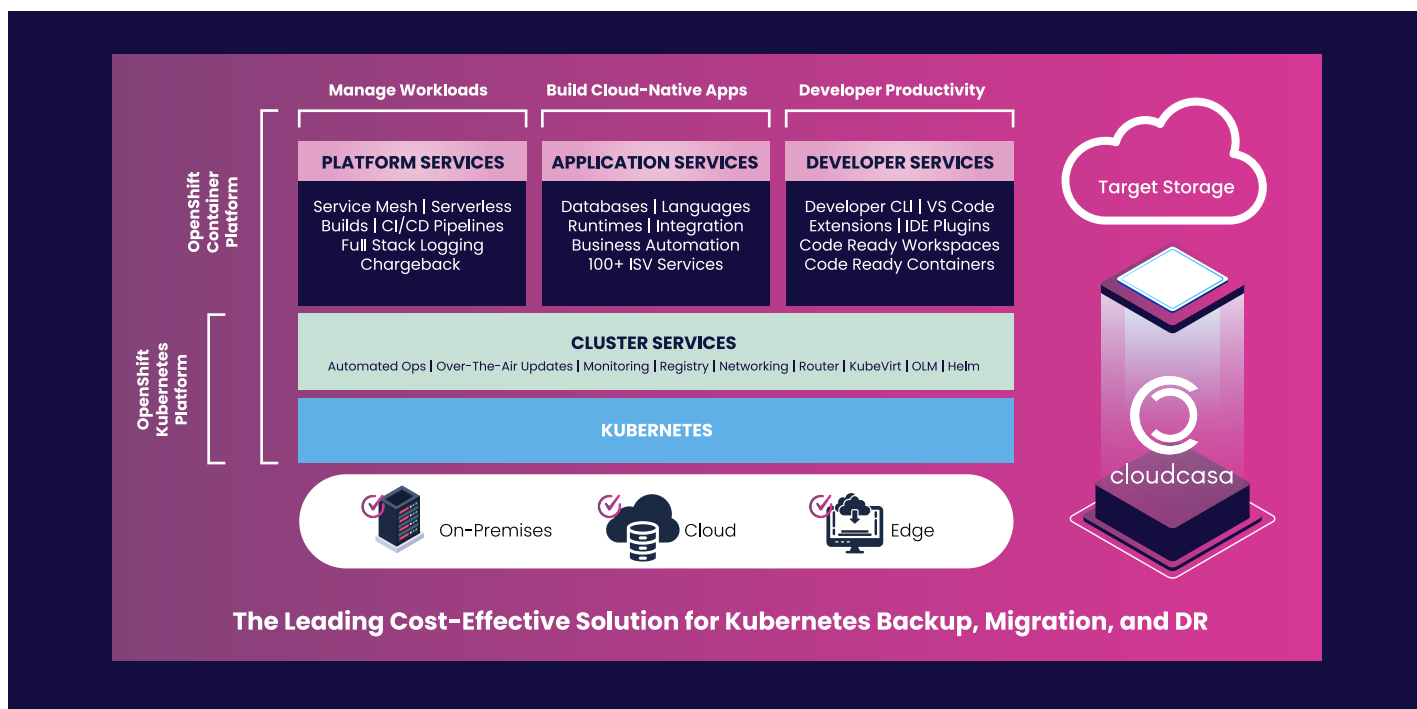
### Open Source Compatibility

Open-source compatible with optional management of existing Velero/OADP backups.



### Deployment Options: SaaS or Self-Hosted

Choose between SaaS or self-hosted backup options. Scale as you grow!



## DETAILED CAPABILITIES

### Keep Data Secure and Available

- **Immutable Backups:** CloudCasa offers immutable backups, unlike OADP and Velero, ensuring your data is protected from ransomware and accidental deletions.
- **Granular RBAC:** Secure access with customizable role-based controls for SaaS and self-hosted environments.
- **Secure Data in Transit and at Rest:** Protect data with encryption across all environments.

### Automate Protection

- **Policy-Driven Backup:** Define and apply policies globally across environments.
- **On-Demand Snapshots:** Create ad-hoc snapshots for workloads in Kubernetes and OpenShift Virtualization.
- **OADP Integration (Optional):** Enhance OADP with centralized configuration, monitoring, and guided recoveries.

### Streamline Backup Operations

- **Fast and Simple Deployment:** SaaS option requires no hardware.
- **Multi-Cluster and Multi-Cloud Support:** Manage diverse environments, including OCP, ROSA, ARO, OCP-V and OVE.
- **Open Source Compatibility:** Integrates with Clastix Capsule for multi-tenant clusters.

### Flexible Recovery, Migration and Replication

- **Granular Restore Options:** Recover namespaces, resources, persistent volumes (PV), and virtual machines. Includes the ability to perform file-level restores from PVs or restore individual files from VM backups, restoring only what you need without recovering the full workload.
- **Cross-Cluster and Cross-Cloud:** Restore or migrate workloads between environments, whether on-premises or across clouds.
- **Storage Class Mapping:** Remap storage classes at the time of restore.
- **Replication:** Enable periodic or continuous replication of an entire cluster or specific namespace, supporting use cases like disaster recovery (DR), maintaining a hot standby cluster.

## SaaS vs. Self-Hosted Options

CloudCasa SaaS	CloudCasa Self-Hosted
<ul style="list-style-type: none"> <li>Fully managed service with no infrastructure to set up or maintain.</li> <li>Use your own object or NFS storage, locally or in the cloud (S3-compatible, Azure Blob, or NFS targets).</li> <li>Optionally use - CloudCasa secure storage (available in most AWS and Azure regions).</li> <li>Free tier available, including up to 5 worker nodes, 100 GB/month of storage (CloudCasa storage), and basic support.</li> </ul>	<ul style="list-style-type: none"> <li>Hosted on your infrastructure, ideal for air-gapped or regulatory-sensitive environments.</li> <li>Use your own object or NFS storage, locally or in the cloud (S3-compatible, Azure Blob, or NFS targets).</li> </ul>
<ul style="list-style-type: none"> <li>Unlimited user logins, retention times, and scalable to an unlimited number of clusters.                             <ul style="list-style-type: none"> <li>API access for automation and CI/CD integration.</li> </ul> </li> </ul>	

## Why CloudCasa for OpenShift Backup?

CloudCasa delivers unmatched flexibility and value for OpenShift Container Platform and OpenShift Virtualization environments:

- Affordable and Scalable: Suitable for businesses of any size.
- Easy-to-use: Centralized management through an intuitive interface.
- Rich Feature Set: Includes ransomware protection, disaster recovery, and OADP integration.

### TRY IT NOW

Discover how CloudCasa SaaS can transform your Kubernetes data protection strategy.



Watch a Demo



SaaS



Self-hosted