



## MULTI-TENANT CLOUD-NATIVE DATA PROTECTION

Immutable backups, flexible resiliency, and migration of VMs and Containers

Red Hat Software Partner



### Red Hat and CloudCasa Strategic Partnership

#### Delivering Joint Solutions for Red Hat OpenShift Environments:

An all-in-one reliable, cost-effective solution for solving data protection and migration challenges at scale:

- ▶ Multi-cluster
- ▶ Multi-cloud
- ▶ Multi-tenancy

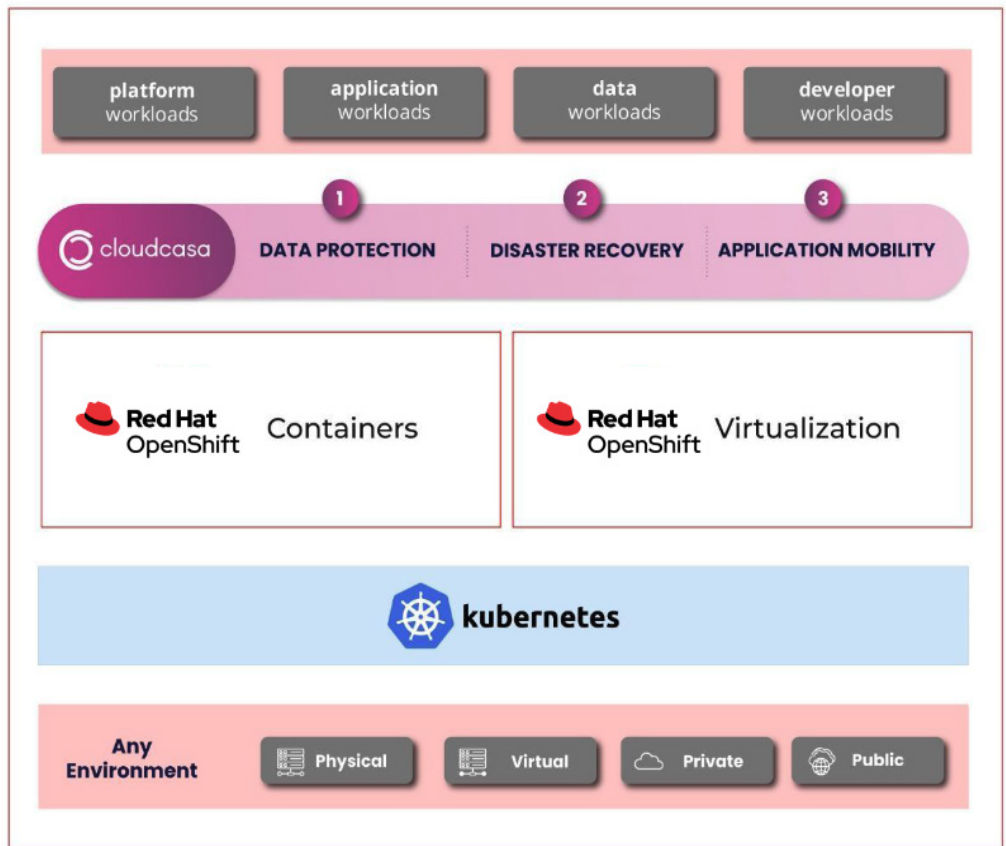
Maximize operational efficiency and security with:

- ▶ Consistent operations
- ▶ Zero-touch agents
- ▶ Automation
- ▶ Immutability

### Enterprise Data Protection for Red Hat OpenShift VMs and Containers

Enterprises and Service Providers running cloud-native applications and Virtual Machines across multiple Red Hat OpenShift clusters in private clouds, public clouds, and edge environments require a comprehensive data protection strategy. CloudCasa delivers full-cluster data protection, safeguarding both VM and Container applications against data loss and ransomware threats using snapshots and immutable backups. Its granular recovery, migration, and replication workflows enable rapid service restoration and seamless data mobility. Built with multi-tenancy at its core, CloudCasa centralizes management across multiple teams or customers. It offers flexible deployment options, as either a SaaS or self-hosted solution, to meet diverse business requirements.

#### Solution Highlights



#### Comprehensive Cloud-Native Data Protection

- ▶ CloudCasa delivers enterprise-grade data protection for Red Hat OpenShift environments with simplified operations, low resource overheads, and support for immutable backups to safeguard against ransomware. Architected for cost-effectiveness, CloudCasa ensures seamless backup, recovery, migration, and replication across multi-cluster and multi-cloud deployments.

#### Consistent Data Protection Operations Across All Red Hat OpenShift Environments

- ▶ CloudCasa ensures consistent data protection and disaster recovery across all Red Hat OpenShift Container Platform editions and options, including Red Hat OpenShift Container Platform and Red Hat OpenShift Platform Plus, Microsoft Azure Red Hat OpenShift (ARO), Red Hat OpenShift Service on AWS (ROSA), Red Hat OpenShift Dedicated (OSD), Red Hat OpenShift Virtualization (OCP-V), Red Hat OpenShift Virtualization Engine (OVE), and Red Hat OpenShift Kubernetes Engine.



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### Advanced Security and Ransomware Protection

- ▶ CloudCasa ensures robust data security with end-to-end encryption, both in transit and at rest. Immutable backup options lock recovery points, preventing unauthorized alterations and safeguarding against malicious actions and ransomware threats. Flexible storage options allow backup data to be stored in separate management domains.

### Comprehensive Application Protection

- ▶ Ensure data integrity and consistent recovery across all applications—including databases—with application-consistent backups. CloudCasa offers robust protection by supporting application-specific pre- and post-backup actions using App Hooks. Automatic quiescing of filesystems in VMs running under Red Hat OpenShift Virtualization is also available. These features guarantee that all appropriate elements are placed in a consistent state for backup.

### Granular Recovery and Application Mobility

- ▶ CloudCasa enables flexible cross-cluster recovery with granular resource selection, namespace renaming, storage class remapping, and custom resource transformations, and file level restore from PV to the existing or a new kubernetes cluster. Consistent workflows accelerate disaster recovery, migration, and replication, reducing human error and enhancing application mobility.

### Zero-Touch Agents

- ▶ Lightweight, stateless agents that auto-upgrade during idle windows minimize operational overhead and eliminate the need for manual intervention, providing continuous protection without impacting performance.

### Intuitive API-Driven Interface

- ▶ Automate data protection tasks with CloudCasa's API while gaining operational visibility through an intuitive, centralized UI.

### Open-Source Compatibility with Red Hat OADP

- ▶ CloudCasa can also optionally manage existing Red Hat OADP (Red Hat OpenShift APIs for Data Protection) installations. With this configuration, users get centralized management and monitoring of OADP, with advanced cloud recovery across clusters and clouds, without disrupting their existing OADP configurations. This add-on solution enhances OADP functionality, providing efficient backup management from CloudCasa's single intuitive UI.

**CloudCasa is the all-in-one solution for Red Hat OpenShift environments, delivering reliable, cost-effective data protection while maximizing operational efficiency and security.**



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### About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. A trusted adviser to the Fortune 500, Red Hat provides award-winning support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.

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