CloudCasa
Kubernetes Data Protection and Application Resilience

Cloud-native backup-as-a-service, application migration, and disaster recovery

Data Protection - Disaster Recovery - Migration - Replication - Velero Management

Introducing CloudCasa™

CloudCasa is an easy-to-use, cost-effective SaaS backup solution for Kubernetes, cloud databases, and cloud-native applications. It eliminates the complexity of traditional backup infrastructure while offering multi-cluster, multi-cloud backup, restore, disaster recovery, data migration, and replication.

CloudCasa for Velero enhances Velero, the open-source Kubernetes backup tool, with centralized configuration, monitoring, and management through CloudCasa's unified dashboard.

Key Features and Highlights

Protect Kubernetes Resources

- All Kubernetes cluster resources and persistent volumes.
- Amazon RDS databases and Aurora clusters.
- Self-service backup and restore with multi-tenant clusters.

Simplified SaaS Experience

- No backup expertise required; up and running in as little as 10 minutes.
- No hardware or infrastructure to install and maintain.
- Enterprise single sign-on (SSO) option available.
- Enterprise self-hosted option available for air-gapped and highly regulated environments.

Unified Management

- Manages protection for multi-cluster, multi-cloud, and hybrid cloud environments from a single pane of glass.
- Securely encrypts data in transit and at rest.
- Cloud-aware integration for AWS, Azure, and GCP.

Broad Compatibility, Including VMs Support

- Kubernetes distributions including Red Hat OpenShift (including ROSA and ARO), SUSE Rancher, and VMware Tanzu.
- Kubernetes cloud services such as AKS, EKS, GKE, DigitalOcean, IBM Cloud, OKE, and OVHcloud.
- KubeVirt VMs on OpenShift Virtualization and SUSE Virtualization (Harvester).

Migration and Disaster Recovery

- Cross-cluster, cross-account, and cross-cloud restores for migration and DR.
- Provides migration and replication jobs to simplify cluster and application migration.
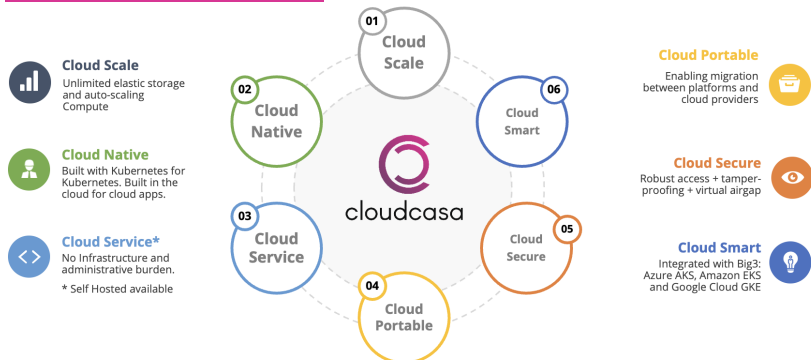
Velero Management

- Additional open-source compatible features provide management of existing Velero installations, including multi-cluster configuration, monitoring and guided recovery.

CloudCasa Backup Storage

CloudCasa secure storage for SaaS is available in most AWS and Azure regions. You can select which provider and region each backup will be sent to. For Bring Your Own Storage, the following object storage services have been tested and are fully supported: Amazon S3, Azure Blob, Backblaze B2, DigitalOcean Spaces, Google Cloud Storage, DataCore, Hitachi, OCI Object Storage, OVHcloud Object Storage, Dell ECS, MinIO, Nutanix and Wasabi.

Why CloudCasa

Cloud Scale
Unlimited elastic storage and auto-scaling Compute

Cloud Native
Built with Kubernetes for Kubernetes. Built in the cloud for cloud apps.

Cloud Service*
No Infrastructure and administrative burden.
* Self Hosted available

01 Cloud Scale
02 Cloud Native
03 Cloud Service
04 Cloud Portable
05 Cloud Secure
06 Cloud Smart

cloudcasa

Cloud Portable
Enabling migration between platforms and cloud providers

Cloud Secure
Robust access + tamper-proofing + virtual airgap

Cloud Smart
Integrated with Big3: Azure AKS, Amazon EKS and Google Cloud GKE

CloudCasa Free Offering

Try our 100% totally free plan, with no payment information required. The free plan includes:

Comprehensive Backup, Recovery and Migration

- Backup of all cluster resources.
- Snapshots and/or backups of persistent volumes (PVs).
- Application hooks for pre-backup, post-backup, and post-restore actions.
- Migration and replication jobs.
- File level restore from PV to the existing or new cluster.

Cluster and Application Management

- An unlimited number of clusters with up to 10 worker nodes total per organization.
- Optional Velero management features, including multi-cluster management with guided recovery, monitoring, alerting, reporting, and centralized logging.

Advanced Database Protection

- Protection of Amazon RDS databases, including scheduling and management of snapshots and point-in-time recovery.

Flexible Storage Options

- Includes up to 100 GB-months of CloudCasa storage, or use your own object storage.
- Data retention period of up to 30 days*.

Enhanced Security and Access Control

- Customizable role-based access control (RBAC).
- Up to 3 user logins per organization.

Support and Scalability

- Best-effort email support from the CloudCasa team.

Does not apply to managed Velero clusters

CloudCasa Premium Plans

The CloudCasa Pro and CloudCasa Enterprise plan includes all the features of the Free plan plus:

Comprehensive Backup, Recovery and Migration

- Backup of all cluster resources.
- Snapshots and/or backups of persistent volumes (PVs).
- Application hooks for pre-backup, post-backup, and post-restore actions.
- Migration and replication jobs.
- File level restore from PV to the existing or new cluster.

Cluster and Application Management

- Manage an unlimited number of clusters.
- Optional Velero management features, including multi-cluster management with guided recovery, monitoring, alerting, reporting, and centralized logging.

Advance Database Protection

- Protection of Amazon RDS databases, including scheduling and management of snapshots and point-in-time recovery.

Support and Scalability

- Includes standard support with 99.9% SLA. Upgradable to 24x7 support.

Flexible Storage Options

- Unlimited retention times.
- SafeLock with retention times to protect backups from being deleted.
- Support for immutable storage (e.g., S3 Object Lock).
- The ability to back up to CloudCasa backup storage (additional monthly cost).
- Option to send backup data to your own object storage of choice.

Enhanced Security and Access Control

- Customizable role-based access control (RBAC).
- Unlimited number of user logins per organization.
- API access for automation and CI/CD pipeline integration.

CloudCasa Pro and customizable Enterprise plans are available, with monthly or yearly subscriptions. Visit https://cloudcasa.io/kubernetes-backup-pricing/ or contact us for pricing and further details.

CloudCasa Pro - Requirements and Compatibility

Software Requirements

- Kubernetes version 1.20+ is required for PV snapshots and backups, with a CSI driver for volume snapshots; otherwise, live backups are supported.
- Compatible with all major Kubernetes distributions (e.g., Red Hat OpenShift, SUSE Rancher, VMware Tanzu) and cloud services (AKS, EKS, GKE, DigitalOcean, IBM Cloud, OKE, OVHcloud).
- Fully integrates with AWS, Azure, and GCP accounts, as well as Clastix Capsule (v0.1.0+) and all Amazon RDS databases, including Aurora.
- CloudCasa is expected to work with any Kubernetes variant based on version 1.20 or higher; contact support for unlisted distributions.

Agent Installation Methods

- Install via Kubectl CLI (using custom YAML files from the CloudCasa UI) or Helm Chart (available on GitHub).
- Available on the Azure Marketplace for AKS and Azure Arc (requires a CloudCasa for Azure billing plan).
- Supports AWS EKS Add-On and DigitalOcean 1-Click Application (DigitalOcean Marketplace).
- Seamless integration with partner products like SUSE Rancher.

Permissions and Network Requirements for SaaS

- Admin access to the cluster and kubectl CLI, Helm utility, or management console is required for installation.
- Outbound network access from your cluster to CloudCasa (agent.cloudcasa.io on TCP port 443) and the backup destination storage is necessary; no inbound ports need to be opened.
- AWS accounts require administrative access for initial setup, but cross-account roles created by CloudFormation are restricted to necessary permissions, with customizable feature-specific access.
- Azure accounts use Azure Resource Manager (ARM) for setup, while GCP accounts follow a custom tutorial via Google Cloud Shell to grant necessary project access.

TRY IT NOW

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

Watch *a Demo*   **Sign** *Up*   **Contact** *Us*

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