DATASHEET
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CloudCasa Kubernetes Data Protection and Application Resilience

Cloud-native backup, application migration, disaster recovery, replication

Data Protection - Disaster Recovery - Migration - Replication

Introducing CloudCasa™

CloudCasa Self-hosted is a versatile and cost-effective data protection solution for Kubernetes, cloud databases, and cloud-native applications. Hosted on your infrastructure, it's ideal for air-gapped environments, CSPs, and MSPs. CloudCasa offers multi-cluster, multi-cloud backup, disaster recovery, migration, and replication—extending protection from the datacenter to the cloud and the edge.

Self-hosted

Key Features and Highlights

Protect your Kubernetes environment

- Protects all Kubernetes cluster resources and persistent volumes.
- Preserves all cluster configuration for cloud clusters (AKS/EKS/GKE).
- Provides self-service backup/restore for multi-tenant clusters.
- Application hooks available for quiescing databases/applications.
- Full support for Kubernetes-native VMs (KubeVirt).

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.
- CloudCasa DR for Storage enables low-RTO disaster recovery through storage-level replication and rapid failover between clusters.

Simplified Saas Experience

- Install on your own Kubernetes cluster using Helm.
- Enterprise single sign-on (sso) integration available.
- Ideal option for air-gapped and highly regulated environments.

Prefer SaaS setup?
Learn more here

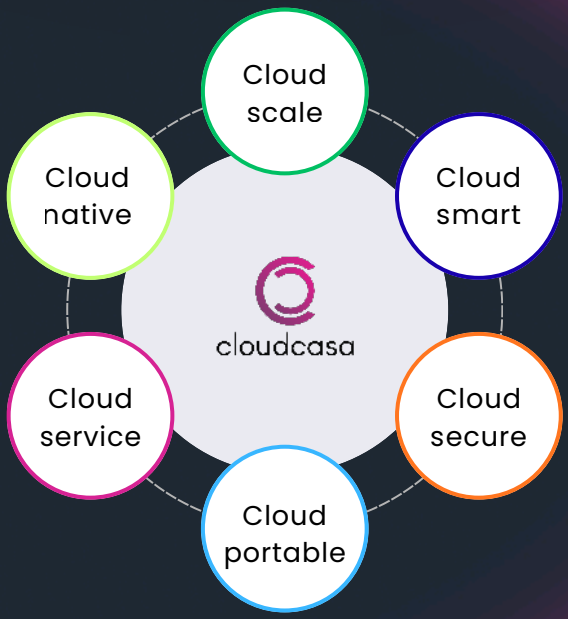
Unified Security

- Flexible RBAC.
- 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.

CloudCasa Backup Storage

CloudCasa supports backups to object storage and to NFS and CIFS file storage.

Supported object storage includes Amazon S3, Azure Blob, Google Cloud Storage, Backblaze B2, DigitalOcean, HPE, Hitachi, Dell ECS, MinIO, Nutanix, Wasabi and OVHcloud.



Features

Key Features

1 Comprehensive Backup, Recovery and Migration

- Backup of all Kubernetes 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 PVs to the existing or new cluster.
- Automated restores for Azure Files persistent volumes.

2 Cluster and Application Management

- Manage an unlimited number of clusters.
- Unlimited worker nodes.
- Centralized visibility across backup, restore, migration, and disaster recovery operations.
- Advanced monitoring, alerting, reporting, and centralized logging.

3 VM (KubeVirt) backups

- Full support for KubeVirt VMs.
- Support for VM file-level restores.

4 Advanced Features

- Auto-updating agents.
- CloudCasa DR for Storage*.

5 Flexible Storage Options

- Back up to object storage or NFS/CIFS file storage that you already own and manage.
- Support for private, isolated, or air-gapped storage environments, on-prem or in the cloud.
- Object Lock support for user-managed object storage.

6 Enhanced Security and Access Control

- Customizable role-based access control (RBAC).
- Unlimited user logins per organization.
- API access for automation and CI/CD pipelines (unlimited API keys).
- SSO integration with enterprise IAM.

7 Advanced Database Protection

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

8 Support and Scalability

- Email and remote support.
- 24 x 7 support.

*CloudCasa DR for Storage is an optional, paid feature and requires supported storage platforms.

Requirements and Compatibility

Software requirements (clients)

- CloudCasa supports all CNCF certified Kubernetes distributions and hosted services based on Kubernetes version 1.20 or higher as clients.
- Compatibility has been verified with all major Kubernetes distributions (e.g. Red Hat OpenShift, SUSE Rancher, VMware Tanzu) and cloud services (e.g. AKS, EKS, GKE, DigitalOcean, IBM Cloud, OKE, OVHcloud).
- CPU architectures: amd64/x86-64 and arm64.
- For backups utilizing snapshots, CSI drivers that support the CSI snapshot interface must be used, and the cluster must be configured to support snapshots. Live backups can be used for any PVs that do not support snapshots.
- CloudCasa optionally integrates with AWS, Azure, and GCP cloud accounts, and supports all Amazon RDS databases including Aurora.
- Backup storage supported: object storage (AWS S3, S3-compatible, Azure Blob), NFS, and CIFS.

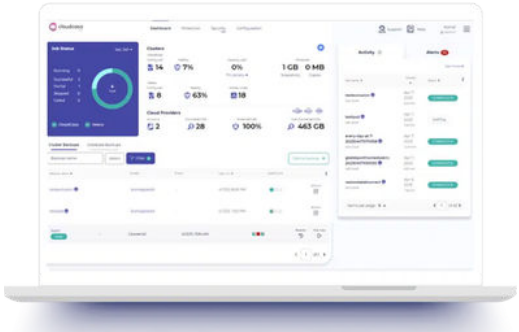
Extensions/adapters are available for SUSE Rancher and Clastix Capsule (v0.1.0+).
Contact CloudCasa support to inquire about support for non-conformant Kubernetes distributions or other configurations not mentioned here.

Agent Installation Methods

- Install via Kubectl CLI using custom YAML files from the CloudCasa UI.
- Install via 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.
- Supports DigitalOcean 1-Click installation via the DigitalOcean Marketplace.
- Red Hat certified OpenShift operator.
- Rancher apps & marketplace.
- Pack for Spectro Cloud Palette.
- Nutanix NKP partner catalog.

Software Requirements (self-hosted server)

- For self-hosted server deployment, a separate Kubernetes cluster is recommended.
- All CNCF certified Kubernetes distributions and hosted services based on Kubernetes version 1.28 or higher are supported for the self-hosted server (amd64/x86-64 architecture only).
- Server installation requires Helm 3.
- External user authentication is supported using LDAP/LDAPS, OIDC, AWS Cognito, Google OAuth 2.0, and Azure OAuth2.



Try it now

Try CloudCasa with a 60-day free trial, with no payment information required.

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