DATA SHEET

cloudcasa

CATALOGIC

CloudCasa

Kubernetes Data Protection and Application Resilience

Cloud-native backup, application migration, disaster recovery, replication, and Velero management

Introducing CloudCasa Self-hosted

CloudCasa Self-hosted is a versatile and cost-effective backup 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.

The CloudCasa for Velero feature integrates the simplicity of CloudCasa with Velero's open-source capabilities, enabling centralized configuration, monitoring, and management of Velero backups through a 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.

Runs on Your Own Infrastructure:

- Ideal for air-gapped and highly regulated environments.
- Securely encrypts data in transit and at rest.
- Integrates with enterprise authentication for single sign-on (SSO).

Unified Management

- Manages protection for multi-cluster, multi-cloud, and hybrid cloud environments from a single pane of glass.
- Cloud-aware integration for AWS, Azure, and GCP.

Broad Compatibility, Including VMs Support

- Kubernetes distributions such as Red Hat OpenShift (ROSA and ARO), SUSE Rancher, and VMware Tanzu.
- Kubernetes cloud services: 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.
- For environments using SUSE Storage (Longhorn), CloudCasa DR for Storage enables low-RTO disaster recovery through storage-level replication and rapid failover between clusters.

Velero Management

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

CloudCasa Backup Storage

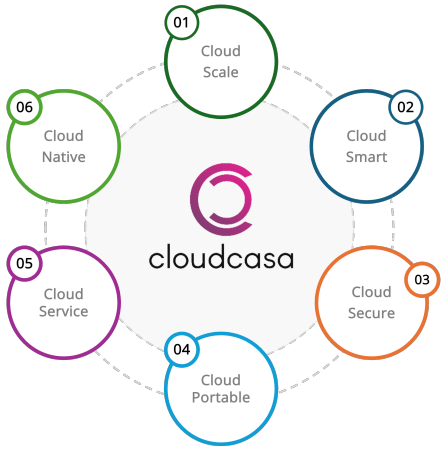
The following object storage services have been tested with CloudCasa and are fully supported: Amazon S3, Azure Blob, Backblaze B2, DigitalOcean Spaces, Google Cloud Storage, DataCore, HPE, Hitachi, OCI Object Storage, OVHcloud Object Storage, Dell ECS, MinIO, Nutanix and Wasabi.

Why CloudCasa

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

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

Cloud Portable
Enabling migration between platforms and cloud providers



Cloud Scale
Unlimited elastic storage and auto-scaling Compute

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

Cloud Secure
Robust access + tamper-proofing + virtual airgap

CloudCasa Enterprise Self-hosted: Core Offerings

Comprehensive Backup, Recovery and Migration

- Backup of all cluster resources, including container and VM workloads.
- Snapshots and/or backups of persistent volumes (PVs).
- Application hooks for pre-backup, post-backup, and post-restore actions
- Migration and replication jobs.
- Recover individual files from VM backups for quick, file-level recovery without restoring the full VM.
- File-level restore from PVs 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.

Advanced Database Protection

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

Flexible Storage Options

- Use your own local, NFS, or cloud-based object storage for backups.
- Support for immutable storage (e.g., S3 Object Lock).
- Unlimited retention times.

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 integration.

Support and Scalability

- Includes standard support with an upgrade option to 24x7 support.

CloudCasa Enterprise Self-hosted is available via yearly or multi-year subscription. Contact us for pricing and further details.

CloudCasa Pro - Requirements and Compatibility

CloudCasa is designed for broad compatibility and flexibility, ensuring smooth integration with diverse Kubernetes environments and cloud platforms. Below are key requirements and guidelines for its deployment:

- **Kubernetes Compatibility:** Kubernetes version 1.20 or higher, with support for major distributions (e.g., Red Hat OpenShift, SUSE Rancher, VMware Tanzu) and cloud services (e.g., AKS, EKS, GKE, DigitalOcean).
- **Agent Installation Options:** Install via Kubectl CLI (custom YAML files) or Helm Chart from GitHub.
- **Permissions and Network:** Requires admin access to clusters, kubectl CLI/Helm, outbound network access to the CloudCasa server (port 443), and reachable object storage for backups.
- **Cloud Integration:** AWS, Azure, and GCP support with minimal required permissions.
- **Server Setup:** Deploy the CloudCasa server on a separate Kubernetes cluster (version 1.28+ recommended) using Helm 3.
- **Flexible Storage Options:** Option to send backup data to your own object or NFS storage of choice.

For further questions or specific setups, CloudCasa support is available to assist.

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