cloudcasa

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CloudCasa – Kubernetes and Cloud Database Backup as a Service

Award-winning, cloud-native data protection service brought to the smarter data protection company.

www.cloudcasa.io

Introducing CloudCasa

CloudCasa is a powerful and easy-to-use backup service built for protecting Kubernetes, cloud databases, and cloud native applications. As a SaaS solution, CloudCasa removes the complexity of managing traditional backup infrastructure, while providing the same level of application-consistent data protection and disaster recovery that more traditional backup solutions provide for server-based applications.

With CloudCasa, your IT department doesn't need to be Kubernetes experts and your DevOps team doesn't need to be storage or data protection experts in order to protect your Kubernetes clusters and applications. CloudCasa was built as a cloud native service to support best practices for data protection and recovery for cloud native applications, and to bridge the data management and protection gap between DevOps and IT Operations.

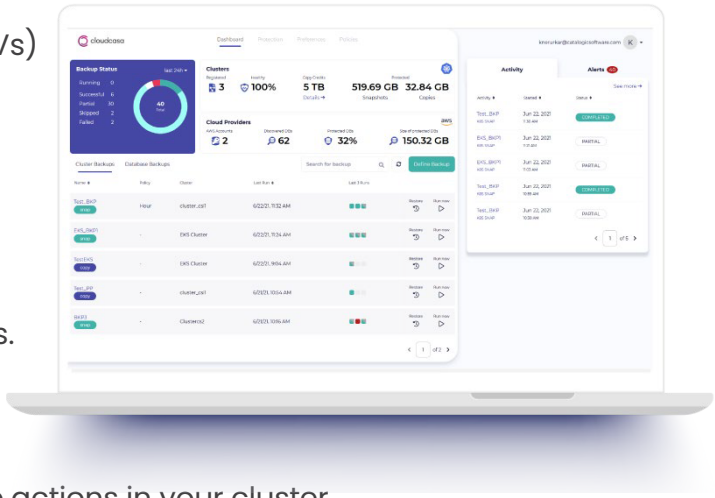
CloudCasa Highlights

- No hardware or infrastructure to install and maintain
- No hassle, and no backup expertise needed
- Protects against logical, physical, accidental and malicious losses
- Data always encrypted – during transit and at rest
- Supports all popular Kubernetes distributions including Red Hat OpenShift, SUSE Rancher and VMware Tanzu
- Supports all popular Kubernetes cloud services including EKS, AKS, GKE, OKE and DigitalOcean
- Protects cluster resources and persistent volumes
- Protects Amazon RDS databases and Amazon Elastic Block Storage (EBS) persistent volumes
- So easy developers won't mind doing backups!

CloudCasa Free Plan

Try our 100% totally free plan, no payment information required, with a limited time promotion to backup 100 GB of Persistent Volume data for free. The free plan includes:

- Easy to use UI to quickly set up and manage backups
- Metadata backups sent to secure and durable cloud-based storage
- Multi-cluster data protection and management
- Unlimited CSI snapshots of Persistent Volumes (PVs)
- Unlimited number of clusters and worker nodes per account
- Flexible scheduling and data retention policies
- Protection of Amazon RDS databases, including scheduling and management of snapshots and snapshot copies.
- Point-in-time recovery of Amazon RDS databases.
- Data retention period of up to 30 days
- Community support with active participation from the CloudCasa team
- Application hooks to trigger pre and post-backup actions in your cluster. Post-restore actions are also available.
- Library of pre-defined application hook templates for common applications
- Upgradable to Premium Plans for additional capabilities.



CloudCasa Premium Plans

Our premium service plans - Starter, Pro, Pro+ and Enterprise Plan - include all of the great features of the Free Plan plus a number of additional features:

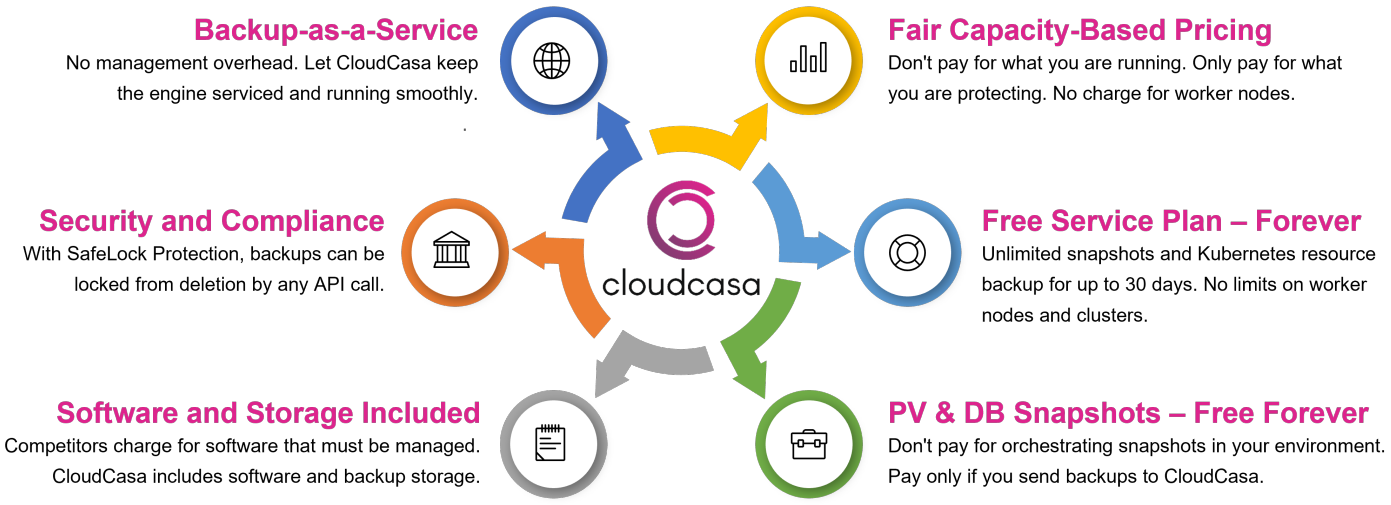
- Backup your PV data to CloudCasa. Just select “Snapshot and copy to CloudCasa” in your backup definitions.
- Storage for your backups is included in the plan with unlimited retention times. Included amount varies with plan.
- SafeLock™ backup protection – Allows you to lock your backups so they can’t be deleted before their retention period expires. Retention times can later be extended, but not reduced.
- Option to send backup data to your own object storage
- API support for automation, with management of up to 10 API keys.
- Premium support – Available via email, phone, or on-line chat.

Backup Storage

CloudCasa secure storage is available in most AWS and Azure regions.

For the Bring Your Own Storage option, the following object storage services have been tested and are supported: Amazon S3, DigitalOcean Spaces, Backblaze B2, Wasabi, and Google Cloud Storage. Support for Azure Blob Storage and others is coming soon.

Why CloudCasa



Requirements and Compatibility

Software requirements

- Kubernetes version 1.13 and higher and version 1.17 and higher for PV snapshots
- Storage must use a CSI driver that supports volume snapshots
- Supports all popular Kubernetes distributions including: Red Hat OpenShift, SUSE Rancher, and VMware Tanzu
- Supports all Kubernetes cloud services including: Amazon EKS, Microsoft AKS, Google GKE, IBM Cloud Kubernetes Service, and DigitalOcean
- Supports all Kubernetes cloud services including: Amazon EKS, Microsoft AKS, Google GKE, IBM Cloud Kubernetes Service, and DigitalOcean
- All Amazon RDS databases are supported, including Aurora

Note: Just because a Kubernetes distribution, cloud service, or storage device isn't listed here does not mean that CloudCasa will not work with it! Any variant based on version 1.13 or higher will be compatible with CloudCasa.

Permissions and Network Requirements

The user configuring CloudCasa needs admin access to their cluster and access to the kubectl CLI. While registering your cluster in the user interface (UI), each cluster will be given a unique YAML file to be applied using kubectl.

Network access from your cluster to the CloudCasa service (agent.cloudcasa.io) on TCP port 443 is required. No ports need to be opened for inbound connections.

The login used to configure your AWS account for CloudCasa RDS backups requires administrative access, but the cross-account role created by our CloudFormation stack is limited to only the permissions necessary to perform RDS backups and restores.

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