

5 JUNE 2025

Sorigo
Experience matters

IS YOUR KUBERNETES SAFE?



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DATA PROTECTION CHALLENGES IN KUBERNETES ENVIRONMENTS - IS YOUR COMPANY READY?



In the era of dynamic container technology development, many companies commercially using Kubernetes face critical challenges that can determine their business continuity:

How to ensure reasonable backup of data in volumes attached to pods?



Traditional backup methods often fail in the dynamic Kubernetes environment, where pods can be created and destroyed within seconds.

How to secure data from volumes attached to different microservices and databases so they are consistent within a single backup process?



Can you return to a single consistent recovery point in time when your application consists of dozens of interdependent microservices?

What will you do when your cloud provider's cluster fails?



How to ensure rapid migration of your entire cluster with data to another cloud or location without business downtime?

What happens when someone encrypts data on your K8S cluster?



Ransomware attacks on Kubernetes infrastructure are becoming increasingly common - do you have a contingency plan?

How to optimally meet regulatory requirements for data backup and complete Kubernetes cluster configuration?



GDPR and other regulations require not only data protection but also audit and reporting capabilities.

These questions are not theoretical - they are real problems that DevOps teams and IT administrators face daily. Lack of an appropriate solution can lead to:

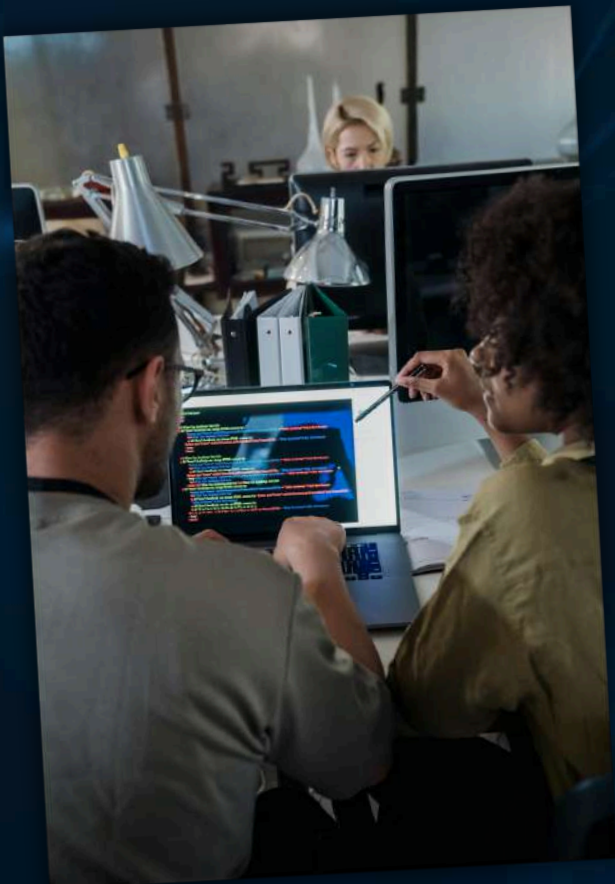
- Loss of critical business data
- Multi-hour or multi-day outages
- Financial penalties for non-compliance with regulatory requirements
- Loss of customer trust

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**TODAY WE ARE EXAMINING
SOLUTION THAT MIGHT HAVE
AN ANSWER FOR THESE
CHALLENGES -**

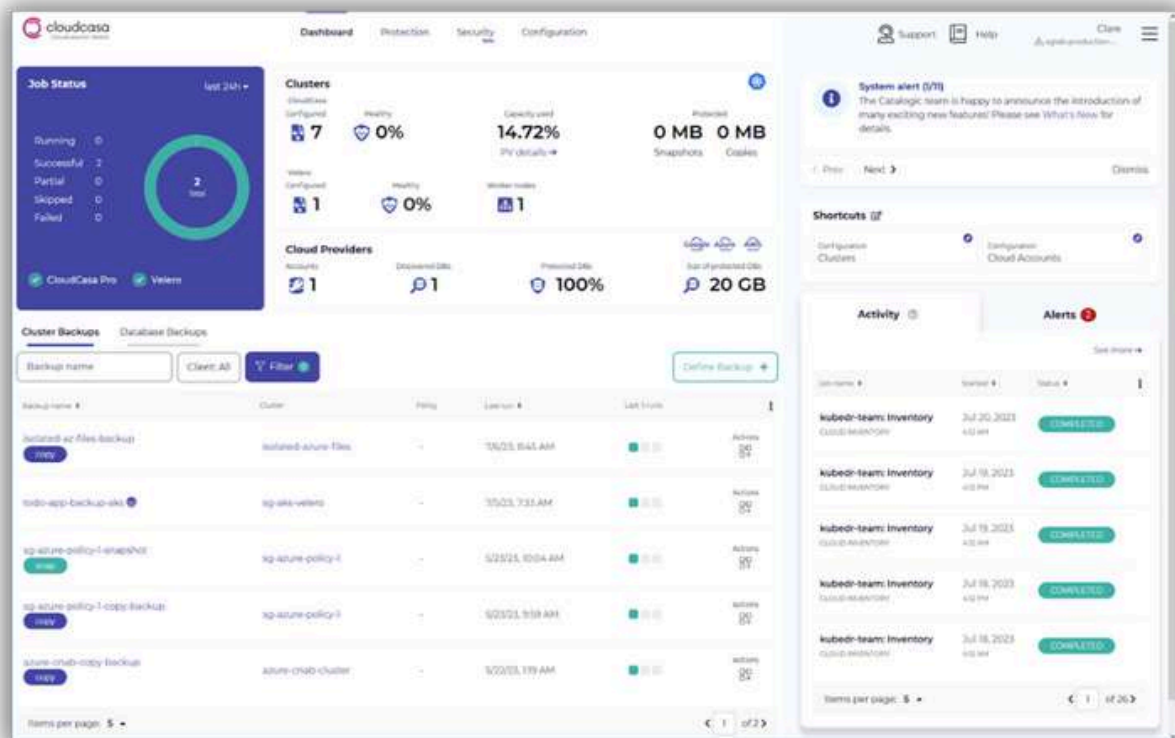
**READ REPORT FROM SORIGO
TESTS OF **CLOUD CASA**
SOLUTION**



CLOUDCASA: KUBERNETES BACKUP AND DATA PROTECTION

CloudCasa, developed by Catalogic Software, is a Kubernetes backup solution available as a SaaS offering and in a self-hosted model.

It is designed for **DevOps teams, platform engineers, and IT administrators** seeking reliable data protection in cloud-native environments.



CloudCasa **simplifies backup, recovery, and migration** in Kubernetes clusters.

Backed by Catalogic's 25 years of data protection experience, it offers a mature, reliable platform with an intuitive interface.

It supports multi-cloud and hybrid-cloud environments, enabling backup and restore across clusters, regions, and cloud providers—helping organizations avoid vendor lock-in and optimize resources.



DEPLOYMENT OPTIONS

× Add Cloud Account ?

Provider type *

Amazon Web Services

Microsoft Azure

Google Cloud

Name *

Description

Add tags (Optional)

key:value

You will be asked to complete the linking process using a CloudFormation stack in the next step.

CLOUDCASA IS AVAILABLE IN TWO MODELS:

- **SaaS:** Fully managed, requires no infrastructure, integrates with major cloud platforms.



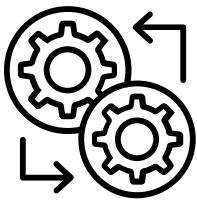
This model is ideal for organizations that want to quickly deploy a backup solution without investing in additional infrastructure or human resources to manage the system.

- **Self-hosted:** Deployable on-premises, in the cloud, or at the edge, suitable for regulated industries or air-gapped environments.



This option is particularly attractive for organizations operating in highly regulated industries or those requiring air-gapped environments for security reasons. Regardless of the chosen deployment model, CloudCasa provides a consistent user experience and full functionality set.

Both options provide full functionality and a consistent user experience.



ADVANCED BACKUP FEATURES & VELERO INTEGRATION

Define Cluster Backup

Cluster

Selections

App Hooks (optional)

Policy (optional)

Summary

Standard selections VMS/PVCs

Namespaces*

Full Cluster

Exclude namespaces

Select Namespaces

Select resource types

Select labels

Include Persistent Volumes

Protect PVs using:

Snapshot only

Backup to object storage

Snapshot PVs before backup where possible

Back up directly from all PVs not snapshotted

Configure backup method by storage class (Advanced)

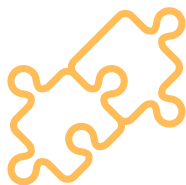
Preserve snapshots after backup

Advanced options



CLOUD CASA BACKUPS

CloudCasa offers application-consistent backups, including configuration and database components. It supports granular restores—at the file, component, or full application level—reducing downtime and minimizing disruption.



VELERO INTEGRATION

CloudCasa integrates with Velero, allowing centralized management of existing installations.

It extends Velero's capabilities with features like guided recovery, a graphical interface, reporting, and automation—providing a smoother experience without replacing existing processes.

Edit Cluster

Re-deploy agent Install Permissions

Manage an existing Velero instance

Cluster ID Status

67dd2b7c8b720b58177f2993 ACTIVE

Name *

aks-demo

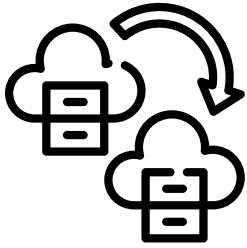
Description

Demo Azure AKS Cluster

Add tags (Optional)

key:value

Advanced options



MIGRATION, VIRTUALIZATION & CONTAINER SUPPORT

× New Migration ?

- Cluster
- Selections (optional)
- Destination**
- Restore transforms (optional)
- App Hooks (optional)
- Summary

Select destination

- Create new cluster
 - EKS cluster
 - AKS cluster
 - GKE cluster
- Use existing cluster

DATA MOBILITY AND MIGRATION

CloudCasa supports cross-cluster and cross-cloud migration, simplifying application moves between accounts, regions, and cloud providers. It automates the migration process and adjusts for configuration differences between environments.

VM AND CONTAINER SUPPORT

CloudCasa can manage both container and virtual machine backups through one interface. It supports KubeVirt, OpenShift Virtualization, and Harvester, making it suitable for organizations transitioning from VMs to containers.

App Hooks ☆

My Hooks **Templates**

Name: Type: All

Name	Type	Description
mongo-post-backup-system-hook	Post-backup	Releases the lock.
mongo-pre-backup-system-hook	Pre-backup	Forces the mongod to flush all pending write operations to disk and locks the entire database. Associate Post-hook: mongo-post-backup-system-hook
mysql-post-backup-system-hook	Post-backup	Flush the individual logs like Binary logs, general logs and error logs etc.
mysql-pre-backup-system-hook	Pre-backup	All write access to tables are blocked and all tables are marked as 'properly closed'. Associate Post-hook: mysql-post-backup-system-hook
postgres-post-backup-system-hook	Post-backup	Release all session level advisory locks held by the current session.
postgres-pre-backup-system-hook	Pre-backup	Forces to flush all files to disk. Associate Post-hook: postgres-post-backup-system-hook



SECURITY, REGULATORY COMPLIANCE & PRICING MODELS



SECURITY AND COMPLIANCE

The platform includes encryption in transit and at rest, as well as ransomware protection. It is GDPR-compliant, with access controls, auditing, and personal data management features built in.



PRICING

CloudCasa offers a transparent pricing model based on worker nodes. A free plan (up to 10 nodes, 100 GB) is available without requiring credit card details. Paid plans include additional features, support, and reporting capabilities.

CloudCasa Free

\$0

- ✓ Kubernetes backup, recovery, migration, & replication
- ✓ Cross-cluster & cross-cloud recovery
- ✓ Up to 10 K8s worker nodes
- ✓ Cloud integration for AWS, Azure, GCP
- ✓ Unlimited cloud database backup
- ✓ Velero management
- ✓ Multi-cluster dashboard/UI
- ✓ 100GB of free storage
- ✓ 3 users per organization
- ✓ Community support
- ✓ SaaS-only plan
- ✓ 1 Free API key for automation

[Try CloudCasa SaaS](#)

SUPPORT AND COMMUNITY

CloudCasa provides support via chat, email, and Slack. Catalogic reports a 95% customer satisfaction rate. Paid plans include support for Velero, offering a managed experience for users accustomed to open-source tools.





Product Development

CloudCasa is regularly updated, with recent features like File Level Restore. Catalogic continues to invest in automation, cloud integrations, and hybrid management, aiming to expand functionality and usability.

Our thoughts?

CloudCasa is a flexible, scalable, and user-friendly Kubernetes backup solution with strong cross-cloud capabilities and enterprise-grade support. It offers a viable option for organizations seeking to streamline data protection in Kubernetes environments.

AS AN OFFICIAL CLOUDCASA PARTNER IN POLAND, SORIGO OFFERS FREE SOLUTION DEMONSTRATIONS AND IMPLEMENTATION SUPPORT.

Our certified specialists will help you:

- Assess your organization's current Kubernetes data protection needs
- Conduct a CloudCasa demo tailored to your environment
- Plan an optimal implementation strategy
- Provide professional technical support in Polish and English

Kacper Wasiak

Director - New Business

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BOOK NOW

