

IONOS

ISV Partner

Key capabilities

- > Kubernetes-native data protection
- > Self-hosted on IONOS Cloud
- > Per-worker-node licensing

CloudCasa in a nutshell

"Kubernetes backup, recovery, migration, and disaster recovery from one management plane."

Deployment architecture

- Self-hosted control plane
- Lightweight, outbound-only agents
- No inbound access to protected clusters
- One agent model across the estate

Available on the IONOS Marketplace



CloudCasa for IONOS Cloud

Backup, recovery, and migration for Kubernetes workloads on IONOS Cloud, including SUSE® Rancher Prime and Red Hat® OpenShift® environments, available as a self-hosted deployment that keeps the control plane, catalog, and backup data within your IONOS environment.

The opportunity

As more production workloads move to IONOS Managed Kubernetes, application data and Kubernetes configuration become part of the protected estate.



Kubernetes growth

Production workloads and persistent data require application-level protection.



Sovereignty and compliance

Customers can place the self-hosted control plane, catalog, and storage inside their chosen IONOS environment and region.



The protection gap

Managed Kubernetes protects the platform. CloudCasa protects applications, persistent volumes, and Kubernetes resources.

CloudCasa closes that gap with Kubernetes-native backup, recovery, and migration. Its self-hosted deployment runs directly on IONOS Cloud and uses customer-controlled storage.

What CloudCasa is

CloudCasa by Catalogic is a Kubernetes-focused data protection platform for backup, disaster recovery, migration, and Kubernetes-native virtualization. Policies are built around Kubernetes resources and persistent-volume data.

CloudCasa on IONOS Cloud

The CloudCasa server runs in a dedicated IONOS Managed Kubernetes cluster. MongoDB stores the catalog on IONOS block storage, while lightweight agents connect each protected cluster. Backup data moves directly from agents to IONOS S3 Object Storage or another supported target.



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How it is deployed: self-hosted architecture

A self-hosted CloudCasa deployment on IONOS Cloud has four components.

- 1 CloudCasa server.** The API, web console, and job orchestration services run in the cloudcasa-server namespace on IONOS Managed Kubernetes.
- 2 Catalog database.** MongoDB stores the catalog on a 16 GB IONOS block volume by default. SSD-backed storage is recommended when catalog performance matters. External MongoDB is also supported.
- 3 Agent.** A lightweight component runs on each protected cluster and maintains an outbound gRPC connection to the server on TCP 443.
- 4 Object storage.** Agents transfer backup and restore data directly to IONOS S3 Object Storage or another supported target. Backup payloads do not pass through the CloudCasa server.

CloudCasa capabilities



Backup and recovery

Protect Kubernetes resources, persistent volumes, namespaces, and KubeVirt virtual machines with scheduled policies and granular restores.



Migration and mobility

Move applications between clusters, regions, or clouds with storage-class remapping, namespace renaming, and resource modifiers.



Immutable recovery points

Use customer-owned IONOS S3 Object Storage with Object Lock, role-based access control, and audit logging.



Catalog disaster recovery

Back up the CloudCasa catalog to object storage so the deployment can be rebuilt if its server cluster is lost.

Why this model matters to IONOS Cloud customers

- **Customer-controlled placement**
The self-hosted server, catalog, and backup target can remain within the customer's IONOS environment.
- **One policy model**
The same console covers scheduled backup, granular recovery, and application migration across registered clusters.
- **Recoverable control plane**
Scheduled catalog backups provide a recovery path for the CloudCasa deployment itself.
- **Consistent agent architecture**
The same outbound-only agent connects IONOS and other supported Kubernetes platforms.
- **Private-environment support**
Air-gapped deployments use a downloaded Helm chart and images mirrored to a reachable private registry.
- **Direct data path**
Agents communicate directly with object storage during backup and restore operations.



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Deployment at a glance: self-hosted on IONOS Cloud

Area	What to use
 Kubernetes platform	Use an IONOS Managed Kubernetes release supported by both IONOS and CloudCasa.
 Recommended topology	Use a dedicated cluster for the CloudCasa server and separate clusters for protected workloads.
 Node-pool sizing	Start with three server-cluster worker nodes, each with at least 4 vCPU and 8 GB RAM.
 Storage classes	Use the built-in IONOS CSI driver. An SSD-backed class is recommended for MongoDB performance.
 Catalog database	MongoDB uses a 16 GB block volume by default. External MongoDB is also supported.
 Backup target	IONOS S3 Object Storage. NFS and SMB shares are also supported as backup targets.
 Exposure	Use a LoadBalancer service on public node pools or an ingress controller with TLS passthrough.
 Certificates	cert-manager is recommended. Use HTTP-01 or a DNS-01 provider you control for trusted certificates.
 Air-gapped option	Install from a downloaded Helm chart and use a private or self-hosted container registry.

Kubernetes platforms covered

On IONOS Cloud: IONOS Managed Kubernetes.

CloudCasa also protects supported CNCF-certified distributions and hosted Kubernetes services across mixed estates, including:

- Red Hat OpenShift
- SUSE Rancher Prime
- VMware Tanzu
- Microsoft AKS
- Amazon EKS
- Google GKE

The same lightweight agent architecture applies across supported platforms, so customers running a mixed estate can register IONOS clusters alongside clusters in other clouds or on premises from one CloudCasa deployment.

Supported Kubernetes versions, chart values, and platform prerequisites change over time. Confirm them in the current installation guide before deployment.

IONOS installation guide



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Why CloudCasa vs. the alternatives

CloudCasa runs entirely inside the customer's IONOS environment. The control plane, catalog, and backup data stay on IONOS infrastructure, and protected clusters connect outbound to it.

Capability	CloudCasa	Velero	Veeam Kasten
Control plane	Self-hosted on IONOS Cloud	CLI and CRDs installed per cluster	Software installed in protected clusters
Multi-cluster management	Central dashboard across clusters and accounts	Per-cluster installation, configuration, and credentials	Multi-Cluster Manager
Cross-cluster and cross-cloud recovery	Native recovery and migration with transforms across clusters, regions, and clouds	Possible with manual storage and configuration remapping	Export and import through object storage with transforms
Immutability and ransomware resilience	Customer-owned S3 Object Lock or Azure Blob immutability; agent-to-storage data path	Configured at the storage target by the operator	S3 Object Lock or Veeam Vault
Support	24x7 email and remote support	Community support	Veeam enterprise support
Licensing	Per worker node	Open source; operational cost remains with the customer	Per worker node

Comparison reflects publicly documented product capabilities. Verify current details with each vendor before making a procurement decision.



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Licensing

Edition	CloudCasa Enterprise, the self-hosted edition for IONOS Cloud.
Deployment	Customer-controlled. The server, catalog, and backup target all sit inside the customer's IONOS environment.
Licensing model	Per worker node, on an annual subscription.
Support	24x7 email and remote support.
Private environments	Air-gapped installs from a downloaded Helm chart and a private or self-hosted container registry.

Available on the IONOS Marketplace



Open the listing

Contact CloudCasa to confirm current pricing and to size a self-hosted deployment on IONOS Cloud.

Summary

CloudCasa Enterprise provides Kubernetes backup, recovery, and migration from a control plane hosted on IONOS Managed Kubernetes. Outbound-only agents connect protected clusters, MongoDB stores the catalog on IONOS block storage, and agents transfer protected data directly to customer-controlled object storage.



Self-hosted control plane



Direct agent-to-storage data path



Catalog disaster recovery



Private and air-gapped deployment

Ready to install?

Follow the IONOS-specific CloudCasa Self-hosted deployment guide.

See installation guide

Discuss licensing, architecture, or a proof of concept with CloudCasa.

Request a demo

Working with CloudCasa

Keep your Kubernetes data on IONOS Cloud. CloudCasa delivers backup, recovery, and migration that can run entirely self-hosted inside your own IONOS environment, with the same console and policy model across every cluster you register.



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