cloudcasa

SUSE

CloudCasa + SUSE Storage

Cost-Effective Disaster Recovery for Kubernetes and SUSE Virtualization

Overview

CloudCasa by Catalogic and SUSE have partnered to deliver a modern disaster recovery (DR) solution purpose-built for Kubernetes and SUSE Virtualization environments. This joint solution combines **CloudCasa's Kubernetes-native backup and recovery platform** with **SUSE's Longhorn storage engine** and its **Disaster Recovery Volumes feature**, providing a resilient, storage-driven DR strategy that reduces cost, complexity, and recovery times.

By separating application-level recovery (CloudCasa) from persistent volume replication (Longhorn), organizations gain a simpler and more affordable path to enterprise-grade protection with recovery time objectives (RTOs) and recovery point objectives (RPOs) that meet the needs of even business-critical applications.

Customer Challenges

1 High cost and complexity
Traditional low-RPO DR solutions require expensive synchronous replication and active-active architectures.

2 Bandwidth and scalability constraints
Large hybrid and edge environments make replication and recovery harder to manage and more costly.

3 Vendor lock-in risks
Many solutions tightly couple storage and application protection, limiting flexibility.

4 Operational inefficiency
Manual intervention slows down recovery during disaster events, driving up downtime and risk.

How CloudCasa + SUSE Address These Challenges

🖾 Aligned recovery strategy

CloudCasa manages application metadata and resources, while SUSE Longhorn maintains disaster recovery volumes at the destination cluster.

🌐 Automated application + storage failover

In the event of a disaster, CloudCasa restores the application and automatically maps and activates the Longhorn DR volumes—bringing applications online within minutes.

💰 Cost-optimized RPO/RTO

Achieve RPOs and RTOs ranging from minutes to under an hour at a fraction of the cost of active-active or synchronous replication.

⚙ Flexible deployment

Purpose-built for modern distributed Kubernetes environments—on-premises, hybrid, and edge.

Key Benefits

- **Lower TCO:** Storage-driven DR with CloudCasa reduces licensing, infrastructure, and operational overhead.
- **Rapid recovery:** Seamless workflows enable near-instant activation of DR volumes minimizing downtime.
- **Simplified operations:** Eliminates the need to duplicate replication functionality across different layers.
- **Enterprise-grade resiliency:** Protects both Kubernetes applications and SUSE Virtualization workloads.
- **Scalable and flexible:** Supports hybrid and edge deployments without locking customers into proprietary stacks.

How It Works

1 Configure Longhorn DR Volumes

➤ Persistent volumes are replicated from the source cluster to the destination cluster at a frequency aligned with your RPO.
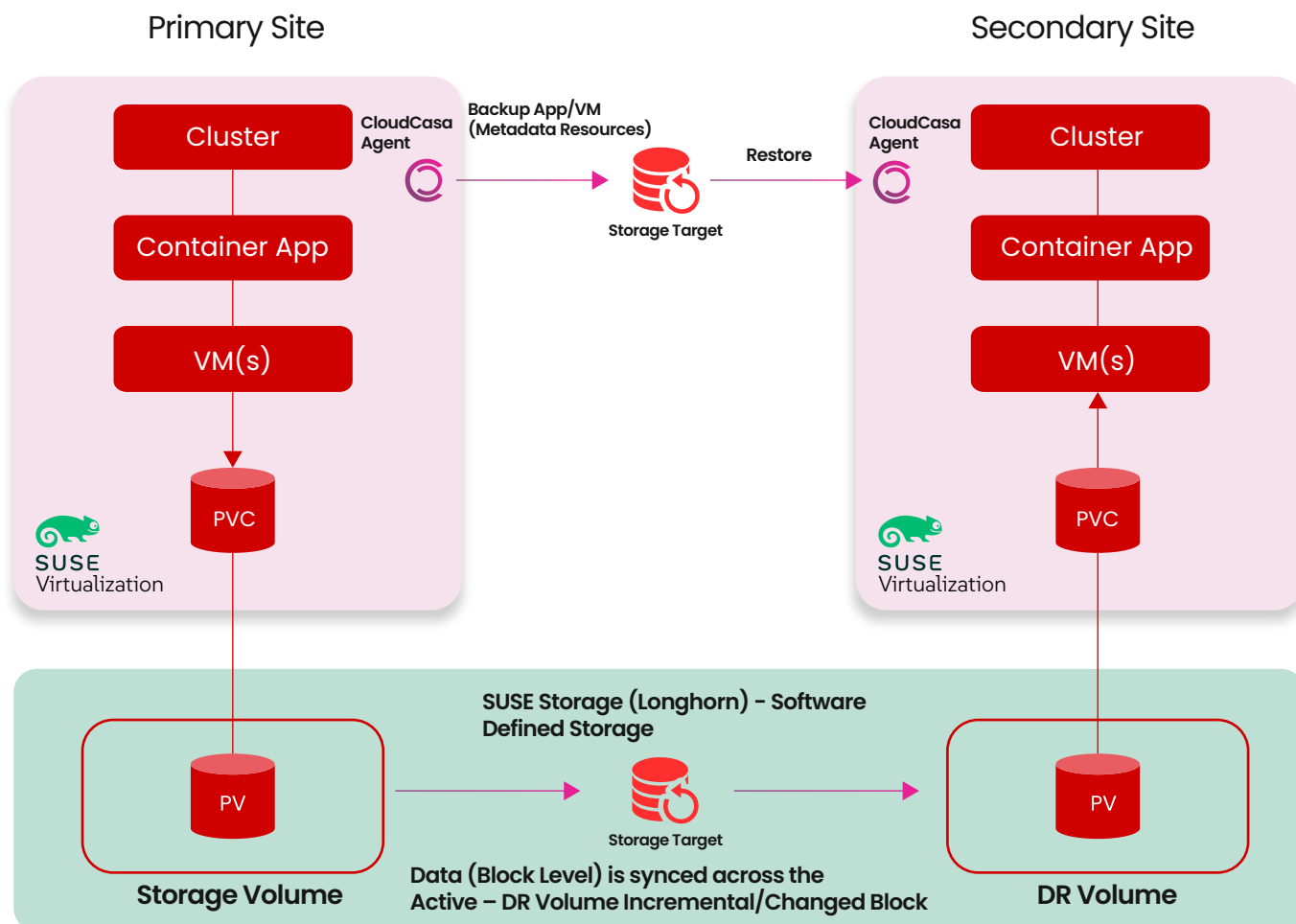
2 Protect with CloudCasa DR for Storage

➤ CloudCasa captures Kubernetes resources, application configurations, and metadata.

➤ Persistent volume data can be excluded from backups or protected on a separate schedule for logical recovery.

3 Disaster Recovery Scenario

➤ CloudCasa restores application resources at the destination cluster.

➤ Longhorn DR volumes are automatically activated and mounted as persistent volumes.

➤ Since only Kubernetes resource data is restored, recovery is completed within minutes.

Primary Site

Secondary Site

Target RPO/RTO

- ▸ **RPO:** Minutes – 1 hour
- ▸ **RTO:** Minutes (application restored + DR volumes activated)

This range is sufficient for most business-critical applications—without the exponential costs of zero-RPO architectures.

TRY IT NOW

CloudCasa DR for Storage now offer a disaster recovery solution that brings applications and data online faster, with less complexity, and at a lower cost.

CloudCasa and SUSE Partner to Deliver Disaster Recovery for Kubernetes and Virtualization

Learn More

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by Catalogic