Case Study

Randoli Replaces Velero With CloudCasa for Enterprise-Grade Kubernetes Backup Across Azure and AWS

Client: Randoli

Industry: Observability / SaaS
Cloud Platforms: Azure & AWS

randoli

Executive Summary

Randoli provides a unified observability platform built for multi-cloud Kubernetes environments. Their customers depend on highly available, resilient monitoring and analytics services that operate across Azure, AWS, and hybrid deployments. As Randoli scaled its footprint and onboarded increasingly complex customer workloads, ensuring reliable Kubernetes data protection became a mission-critical requirement.

Randoli initially used Velero for cluster and PVC backup, but the team encountered significant reliability, operational, and recovery limitations as their platform grew. These gaps pushed Randoli to evaluate enterprise-grade Kubernetes data-protection platforms capable of matching the scale and resiliency needs of their observability service.

About

As Randoli expanded across Azure and AWS, Velero began to show systemic limitations that affected their ability to maintain consistent backups, meet internal SLAs, and execute predictable restores.

Key Challenges With Velero

Operational Complexity

- Maintaining multiple Velero instances created configuration drift
- No single monitoring dashboard or central scheduling
- Manual troubleshooting needed for failed jobs, plugins, and retention policies

Functional Limitations

- No file-level restore from PVCs
- No built-in DR workflows for restoring across clouds
- Inefficiencies backing up large, rapidly changing volumes
- High time investment for DevOps/SRE teams to maintain Velero

Strategic Gaps

- No immutable backup enforcement
- No RBAC or compliance reporting
- No enterprise support model or SLAs
- Lacked the automation, visibility, and consistency required by a production observability platform

To maintain customer trust and operational resilience, Randoli needed a platform-grade backup and recovery solution — not an open-source solution.

Solution: CloudCasa

Following an in-depth review of enterprise Kubernetes backup solutions, Randoli retired Velero and adopted CloudCasa as its unified data-protection platform. CloudCasa immediately addressed the gaps Randoli had been facing with Velero's operational complexity and limited recovery capabilities.

With CloudCasa's full agent deployment, Randoli now benefits from enterprise-grade backup, recovery, and migration workflows, including:

Key Capabilities Gained

- **File-level restore from PVCs** (single file, folders, cross-cluster)
- **Cross-cloud portability** to restore workloads between Azure and AWS
- **Application-consistent backups** for containerized services
- **Full cluster, namespace, and multi-cluster restore workflows**
- **Immutable backups** stored in Azure Blob or AWS S3
- **Centralized SaaS control plane**, eliminating cluster-by-cluster management
- **RBAC and compliance enforcement**
- **Integrated monitoring, scheduling, and health reporting**

CloudCasa transformed Randoli's Kubernetes data protection from a fragmented, cluster-level toolset into a scalable, centrally managed, enterprise-ready platform.

Testimonial

" *Velero simply couldn't keep up with the scale and reliability requirements of our observability platform. CloudCasa gave us an enterprise-grade backup and recovery foundation with file-level restores, cross-cloud portability, and the confidence that every cluster is protected consistently.*"

— **Rajith Attapattu, Founder & CTO, Randoli**

Results That Matter

- **Dramatic Reduction in Operational Overhead:**
  CloudCasa removed the need for YAML maintenance, Velero management, manual restores, and ad-hoc scripts. DevOps/SRE teams regained valuable engineering time.

- **Faster, More Predictable Restores:**
  File-level, namespace-level, or cluster-level recoveries are now executed with guided workflows, drastically reducing mean time to recovery.

- **True Multi-Cloud Disaster Recovery:**
  CloudCasa's agent architecture allows Randoli to restore workloads between Azure and AWS seamlessly, supporting their multi-cloud reliability goals.

- **Enterprise Governance & Compliance:**
  CloudCasa provides immutable backups, RBAC, and centralized reporting — all missing in Velero.

- **Reliability and Supportability:**
  Unlike community-supported Velero, CloudCasa delivers:
  - 24×7 enterprise support
  - SLA-driven reliability
  - Ongoing enhancements
  - Best-practice guidance for large multi-cloud deployments

Randoli now operates with confidence knowing their observability platform is fully protected by an enterprise-grade data-protection layer.

CloudCasa vs. Velero — Why Randoli Switched

Capability	Velero	CloudCasa Full Agent
File-level restore from PVC	❌ Not supported	✅ Full file/folder restore
Multi-cluster, multi-cloud restores	Manual scripts	✅ Automated workflows
Consistency across clouds	❌ No	✅ Azure + AWS + hybrid
Immutable backups	❌ No	✅ Yes
Central management	❌ None	✅ Unified SaaS platform
Compliance features	❌ Minimal	✅ RBAC, reports
Support model	Community Only	Enterprise 24×7 support
Operational effort	High	Low

Conclusion

Randoli's migration from Velero to CloudCasa represents a major modernization of their Kubernetes data-protection strategy. With CloudCasa's solution, Randoli unlocked reliable backup and recovery, file-level restore capabilities, multi-cloud mobility, and a single SaaS control plane that scales with their observability platform.

CloudCasa not only resolved the limitations of Velero but delivered a long-term foundation for resilience, compliance, and operational efficiency as Randoli continues to expand across Azure, AWS, and global customer environments.

Power Your Kubernetes Migration and Backup Strategy with CloudCasa

Accelerate your next migration and secure, reliable backups — all with CloudCasa's proven, cloud-native platform.

Ready to simplify Kubernetes data management?

Get Started Today