

FishOS Cloud Management Platform and Storware Backup and Recovery Technical Alliance

Full OpenStack functionality with fine-tuned backup capabilities is now available for FishOS users

For companies that want to benefit from OpenStack-powered infrastructure in a more secure and time-efficient way – Storware introduces enterprise-ready API-level backup and recovery solution with compatibility validated through close technical cooperation with Sardina Systems.

Mutual benefits of FishOS Cloud Infrastructure & Storware Backup and Recovery

- **API-driven integration**
Fully integrated via APIs – simpler, faster, and more efficient than agent-based setups.
- **Agentless architecture**
Storware provides agentless backup solutions, which are designed to protect virtual environments by eliminating the need to install individual backup agents on every virtual machine (VM).
- **Enterprise-grade operations**
Combine FishOS's stable cloud operations with Storware powerful backup technology.
- **Centralized management**
Storware Backup and Recovery enables compatibility with OpenStack-based clouds through integration with either the OpenStack Horizon or OpenStack Skyline UI. It enables backup and recovery operations directly from the your dashboard, providing administrators with a unified platform to configure, monitor, and manage FishOS data protection.
- **Built for Modern Workloads**
Designed to address the challenges of heterogeneous environments, enabling workload protection at every stage of infrastructure change or scaling.
- **Backup-as-a-service**
Enables service providers to offer VM-level backup as a managed service — delivering multi-tenant isolation, a centralized web console, and white-label branding — without building backup infrastructure from scratch.
- **Flexible Storage options**
Backup storage can be configured across a wide range of targets, including Ceph, NFS, S3, and tape for long-term retention and compliance, as well as block storage backends such as iSCSI, Fibre Channel, enterprise storage arrays, and local storage.
- **Cost-effectiveness**
Sardina Systems and Storware offer flexible and transparent pricing that helps lower total cost of ownership (TCO) through predictable licensing, eliminating unexpected expenses and providing greater budget control.

FishOS and Storware Backup and Recovery deliver a comprehensive backup solution that integrates directly at the hypervisor and storage layers. Storware Backup and Recovery, recognized as the #1 data protection platform for OpenStack, is fully agentless and connects via native APIs for seamless integration. Workloads are automatically discovered, with support for full, incremental, and differential backups.

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"In large OpenStack environments with dozens of components and multi-tenant workloads, snapshots alone might not be enough. A full backup ensures the integrity of the entire cloud ecosystem, from configurations and metadata to user data. The technical alliance with Storware expands capabilities for FishOS users, providing greater fault tolerance and enhanced compliance with corporate security and recovery requirements."

Kenneth Tan,

Executive Director at Sardina Systems

Sardina Systems is a global operations management software developer and vendor, headquartered in the Netherlands with a local presence worldwide. FishOS®, Sardina's core product, is a cutting-edge cloud management solution that integrates OpenStack, Kubernetes, and Ceph. It provides smart, efficient, and highly scalable cloud infrastructure with zero-downtime operations.

"By integrating with FishOS, we're enabling OpenStack users to benefit from a unified, API-driven backup solution that ensures business continuity and operational efficiency. Together, we empower organizations to protect their workloads with confidence—no matter how complex their cloud environments are."

Paweł Mączka,,

CEO at Storware

Storware is a European provider of enterprise-grade data backup and recovery solutions, established in 2013 in Warsaw, Poland. Its platform, Storware Backup and Recovery, ensures data continuity across multi-vendor environments by protecting workloads at every stage — at rest, in transit, and at scale. Trusted by over 4,000 organizations, including Disney, Cisco, and Lenovo, Storware delivers flexible licensing and global availability through a strong partner network.