DATACORE | **rubrik**

Data Protection for Rubrik Backups on Secure Object Storage

Store, manage, and protect backups against cyber–attacks, downtime, and data loss while supporting rapid restoration

BENEFITS

- **Reduce costs** by storing backups on cost-effective S3 object storage

- **Meet RPO and RTO** goals by making backups highly available and instantly accessible

- **Increase confidence in backup integrity and restores** with self-healing & data protection

- **Safeguard against downtime and data loss** with proven durability and resilience

- **Easily scale** to support growing backup files

- **Simplify storage management** and ensure fast recovery

## A Modern Approach to Backup & Recovery

Data growth continues to happen at an unprecedented rate in today's digital world. With organizations working towards ensuring data availability and avoiding costly data loss, there is a constant requirement for trusted backup solutions to assure data is secured and protected for retention, recovery, and compliance.

DataCore and Rubrik have partnered to deliver a joint solution that ensures simplified and policy-driven archive, replication and long-term data backup. The combined solution will help address challenges of storing and managing rapidly scaling backups and protecting them against downtime and cyberthreats, such as ransomware.

DataCore Swarm: Trusted Data Protection for Your Rubrik Backups

DataCore provides a massively scalable cost-effective object storage platform to manage mounting volume of backups. With DataCore Swarm, organizations benefit from a secure and reliable secondary storage to protect backups, which are stored on-premises, thus enabling better data governance and adherence with IT security policies.

Swarm software-defined object storage seamlessly integrates with Rubrik Cloud Data Management (CDM) platform to provide an affordable storage target for backups. Store, protect, and manage your Rubrik backups of on-premises and cloud-native applications on secure object storage that scales as needed. Easily scale with Swarm from as small as a few hundred TBs to multiple PBs and beyond in no time.
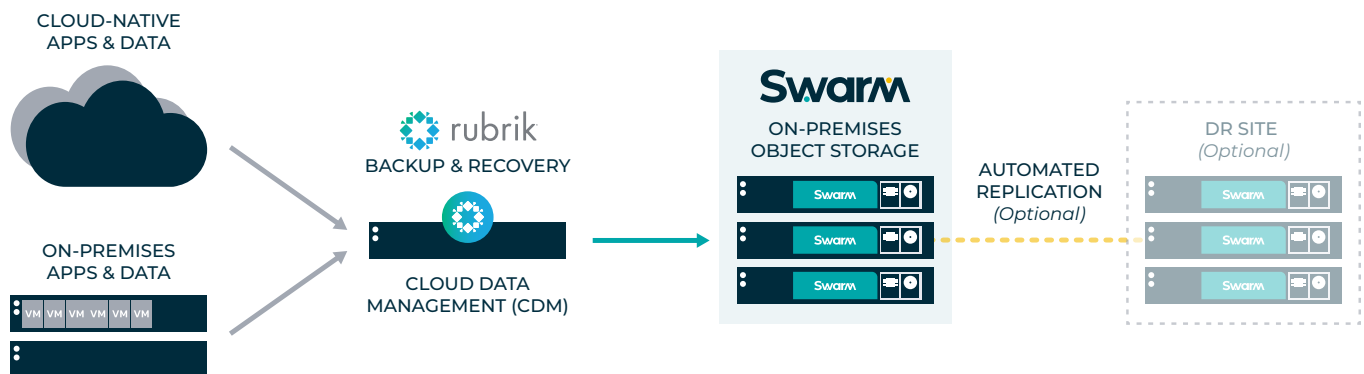
Safeguard Backups Against Downtime, Data Loss, and External Attacks

Unlike other backup targets that only repair a few errant conditions on reads, Swarm automatically self-heals from numerous potential issues. The Swarm health processor continually checks for failed hardware, bit rot, replica or erasure coding anomalies, and network problems.

Swarm also includes security and replication features that protect against ransomware attacks and procedural errors. While erasure coding reduces the storage footprint and increases data durability, replication ensures rapid access. Backups may optionally be copied to colder archives in offsite locations (cloud/tape/etc.).

In addition, backups can be S3 object-locked for specified retention periods (days, months, years) so they cannot be modified or deleted. Encryption can be used both in-flight and at-rest to prevent unauthorized reading. This enables data immutability and tamper-proofing of backups to protect against ransomware attacks and other security breaches and even accidental deletions.

All these capabilities help you implement a truly 3-2-1-1-0 backup strategy.

Store Growing Backups on Affordable and Scalable S3 Object Storage

At DataCore, we understand that backups and data will outlive hardware which is why we designed Swarm for non-disruptive hardware upgrades while preserving data availability, accessibility, and integrity. You can continue to benefit from advancements in server and compute efficiency and storage media density while ensuring your backups and data remain instantly available.

Convert standard x86 servers into scalable and resilient object storage clusters to store hundreds of terabytes and petabytes of data. IT teams can scale capacity and throughput easily by adding new drives or new Swarm nodes in the cluster or deploying multiple Swarm clusters across sites to enhance availability and mitigate disasters. This means that read, write, and repair processes get faster as the number of nodes and drives increases.

- Swarm software only utilizes 5% hard drive capacity for system data resulting in an industry-leading 95% capacity availability for your backups
- Capacity and performance can be scaled in under 90 seconds after initial deployment

Predictable Performance, Costs, and Data Protection

The combination of Rubrik CDM and DataCore Swarm provides a secure, cost-effective, and scalable backup solution. This is essential to meet aggressive RTO and RPO targets. Instead of lengthy delays waiting to restore large datasets from the cloud, recovery is done in just minutes. The on-premises alternative removes concerns over unexpected cloud charges and potential GDPR violations by keeping the data internally.

With Swarm software-defined object storage, you can store more backups, spend less time managing storage, and continue to reduce storage TCO, all while ensuring your backups are continually safeguarded and instantly available a month, a year, or a decade from now.

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Discover the Ultimate Flexibility of DataCore Software

DataCore Software delivers the industry's most flexible, intelligent, and powerful software-defined storage solutions for block, file, and object storage, helping more than 10,000 customers worldwide modernize how they store, protect, and access data. With a comprehensive product suite, intellectual property portfolio, and unrivaled experience in storage virtualization and advanced data services, DataCore is The Authority on Software-Defined Storage. **www.datacore.com**

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