

Protect All Your Backups with Secure Object Storage

Scalable and resilient storage to safeguard backups from security threats, hardware failures, and other data loss risks

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 and 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

Data is growing at an unprecedented rate in today's digital world. Managing, storing, and protecting all this data is of paramount importance to organizations. Where data is stored and with what level of protection against external and internal threats and infrastructure failures forms the basis of a robust data protection strategy.

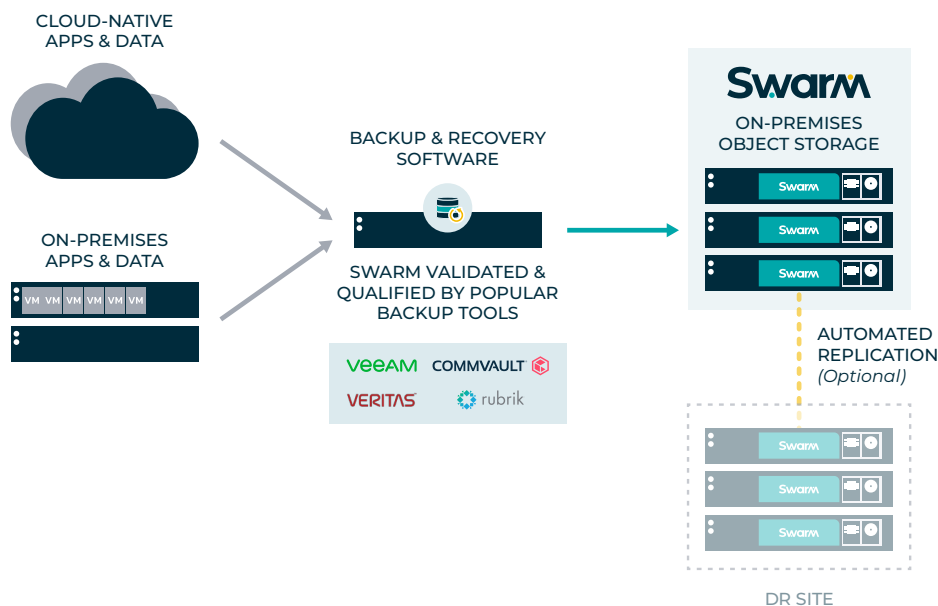
As backups are generally considered the last line of defense against data loss, preserving and protecting backups is mission-critical to meet recovery objectives. This drives the exigency for organizations to assure backups are protected on secure storage for long-term retention, recovery, and compliance.

DataCore Swarm: Trusted Data Protection Solution to Store and Secure Your 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 delivers a multi-pronged approach to data protection that enables you to store more backups, spend less time managing storage, and helps to reduce storage TCO. Easily scale capacity from a few hundred TBs to multiple PBs and safeguard all your data in a centralized repository.

- **Affordably store** all your daily, weekly, monthly, and annual backups in a scalable secondary storage archive
- **Preserve and protect backups** with a gamut of security-rich functions, including immutability (WORM), encryption, replication, and more
- **Certified by popular backup solutions** such as Veeam, Commvault, Rubrik, and Veritas, Swarm allows you to easily comply with a 3-2-1-1-0 backup strategy
- **Future-proof your backup** and recovery strategy with an efficient and economical data storage





Shield 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 cybersecurity threats 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.



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 data.



Predictable Performance, Costs, and Data Protection

Powering your backups with DataCore Swarm object storage provides a secure, cost-effective, and scalable backup and recovery solution. This is essential to meet aggressive RTO and RPO targets. Instead of lengthy delays waiting to restore large datasets from the cloud or tape, recovery is done in just minutes. Being on-premises, Swarm also removes concerns over unexpected cloud charges and potential GDPR violations by ensuring data is stored and safeguarded 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 the core, edge, and cloud. With a comprehensive product suite, intellectual property portfolio, and unrivaled experience in storage virtualization and advanced data services, DataCore has helped over 10,000 customers worldwide modernize how they store, protect, and access data. www.datacore.com

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