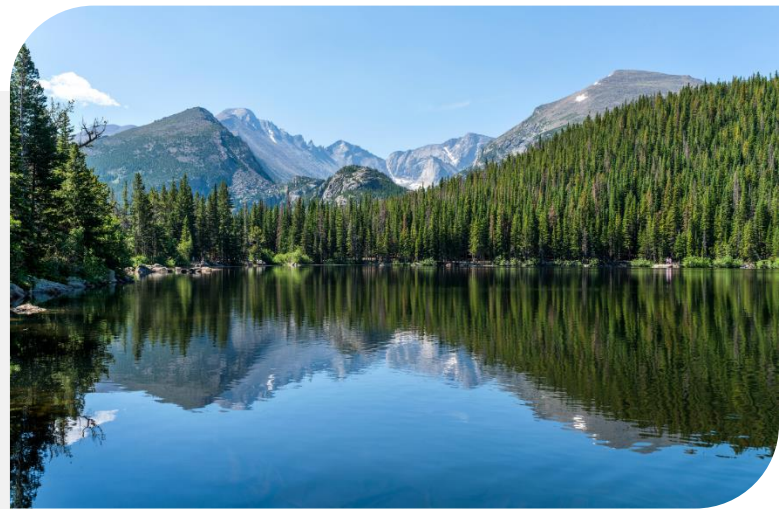# StorCycle Software

Enterprise Archiving for Digital Preservation

Spectra StorCycle® archiving software provides digital preservation for enterprise data at scale. This modern software offers flexible options for active and long-term archive requirements, moving data to the most appropriate storage tier to optimize costs without sacrificing data availability. With StorCycle software, you can enjoy hassle-free data management and cost savings from a company trusted by the largest organizations in the world.

Easily Scale Your Data

- Deploy an archive solution that is easy to configure and use
- Optimizes storage costs by moving data to the most appropriate storage tier

Ransomware Protection

- Integrates key management and AES 256-bit encryption as a standard feature
- Increases your protection with immutable snapshots, object lock and air-gap copies

Preserve your Critical Data

- Offloads and preserves large volumes of digital content long-term while having easy access
- Ensures secure and compliant storage for data that cannot or is too expensive to recreate
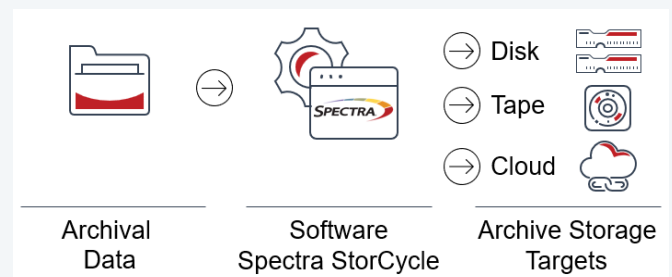
No Vendor Lock-in

- Maintains data in its original format to prevent dependency on specific vendors
- Choose the most optimal archive storage, including cloud, disk/flash and tape

Archive Data for the Long-Term

StorCycle software is designed to archive and manage hundreds of terabytes to petabytes of unstructured data. A StorCycle solution consists of

- Archival data: medical records, video footage, broadcast media, completed projects and more
- StorCycle software: running on VM or dedicated server
- Archive storage targets: flexibility to bring your own disk, tape or cloud storage

Archival Data → Software Spectra StorCycle → Archive Storage Targets (Disk, Tape, Cloud)

StorCycle Features and Benefits

Manage and migrate large datasets

StorCycle software simplifies the organization and archiving of large datasets, while providing full access from the source. Users can selectively archive data in bulk to ensure the entire dataset is retained and accessible in its native format. Archiving multiple copies of data on the appropriate tier of storage is crucial for data that requires recoverability, should the primary archive copy be unavailable. StorCycle supports multiple storage targets and offers organizations the ability to create multiple copies of data as required.

Features	Benefits
Active Directory / LDAP	StorCycle can connect to an Active Directory or LDAP server to restrict access to data based on pre-defined groups and enable end-users to use their existing domain credentials to access the program.
Automated policy management	Easy-to-set up policies make it efficient to define how data should be handled and stored to your organization's goals.
Avoid vendor lock-in	Choose the most optimal archive storage including disk, flash, tape and cloud.
Data redundancy	Improve your data availability, reliability and compliance by replicating data across multiple locations, systems or the cloud.
File verification	A Checksum calculation is performed whenever StorCycle interacts with a file to verify that it remains unchanged from its previous state.
Hybrid cloud capabilities	Flexibility to store data in on-prem, hybrid or public clouds where most appropriate to maximize scalability, disaster recovery and optimize costs.
Integrated encryption and key management	Administrators may assign single-key encryption to target storage locations, where every file sent to the archive is encrypted for greater data security.
Maximize bandwidth for business operations	Administrators may set peak and off-peak hours to throttle job performance on source and target locations to maximize bandwidth for critical day-to-day operations.
Reduce storage costs	Reduces TCO up to 78% as a result of freeing up valuable space on expensive primary storage and decreasing backup costs.
Smart Packing	Users may exclude objects that are larger than 10GB in size when creating TAR or Zip packs to all supported targets (NAS, BlackPearl® storage, S3, Microsoft Azure® and Azure Archive) to reduce total object count and reduce any associated storage fees.
Supports sustainability	Reduces energy and electric costs up to 90% and CO_2 emissions up to 85% when configured with Spectra tape libraries.
Security	Creates air-gap copies of data ensuring your data cannot be encrypted or accidentally deleted when not directly accessible on the network.
Transparent tech migration	Automated migration of new data to new technologies without disrupting applications or systems.

About Spectra Logic Corporation

Spectra Logic modernizes IT infrastructures to preserve, protect and defend data, from days to decades, whether on-premises, in a single cloud, across multiple clouds or in all locations at once. Our cost-effective solutions help organizations efficiently manage, migrate and store long-term data, from terabytes to exabytes, with features that make it ransomware resilient.

SPECTRA

www.spectralogic.com