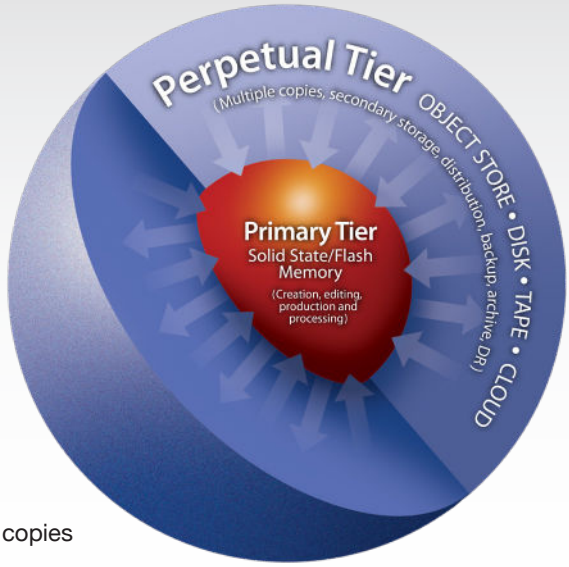
SPECTRA STORCYCLE®

Storage Lifecycle Management Software

SPECTRA

StorCycle®



A modern storage model for managing and storing data is here.

The new model consists of two tiers:

The Primary Tier and the Perpetual Tier.

Data migrated via StorCycle® is moved from the Primary Tier to the Perpetual Tier. The Primary Tier holds all active data and is most commonly comprised of flash, NVMe, DRAM, and high-performance disk drives, in order to achieve the performance required for workflows associated with highly active data.

The Perpetual Tier is dedicated to inactive data and is designed to keep multiple copies of data on multiple storage mediums including cloud, disk and tape.
The Perpetual Tier is used for secondary storage, distribution, backup, archive, and disaster recovery.
By reducing data on the high performance Primary Tier, organizations can configure the more economical Perpetual Tier to be as responsive as their workflows demand.

What can Storage Lifecycle Management do for you?

Digital Preservation
Scan and preserve digital files for fast, reliable restore

Ransomware Resiliency
Create an air-gap copy of data for fast recovery after a ransomware attack

Storage Cost Control
Free up space on existing primary storage

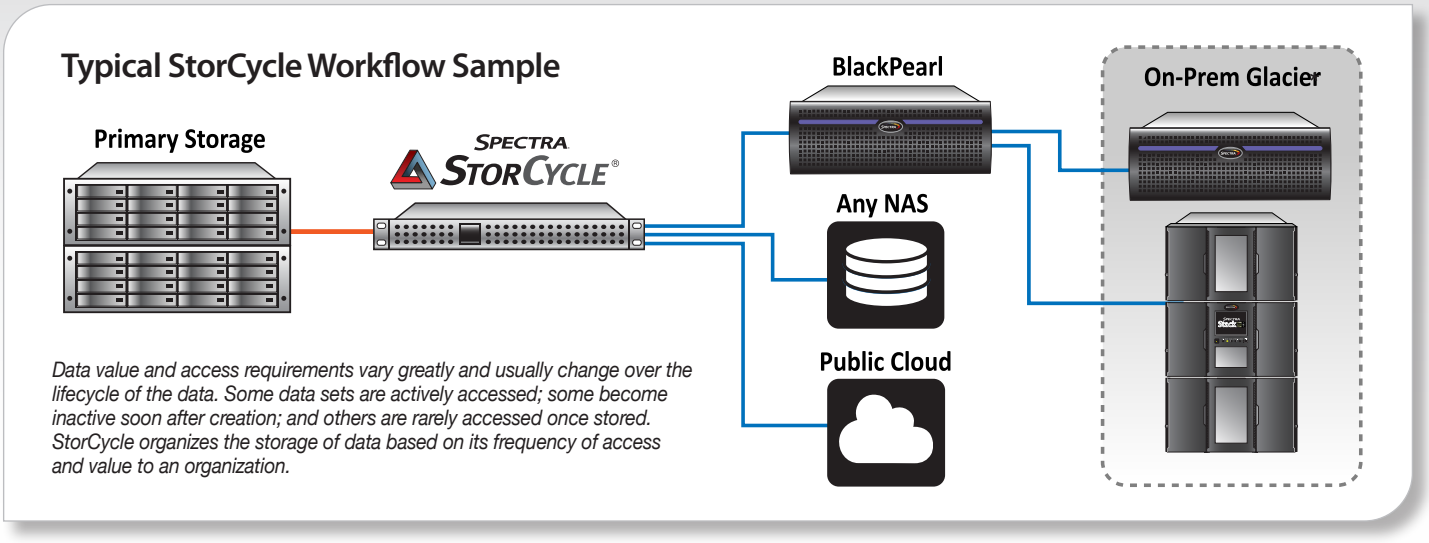
Cloud
Migrate files and objects to and from the cloud

Data Visibility and Usage
Identify and categorize data for future use

Large Data Set Management
Migrate and manage data sets and projects within an active archive

Compliance
Tag and manage data for governance and compliance

Disaster Recovery
Create a secure copy of data to ensure recoverability



StorCycle's four major functions

1 Identify

Running out of Primary Tier storage? Want to move to a flash-based storage system, but have too much data? Backups taking too long? StorCycle solves these challenges with its ability to identify inactive data based on user-defined policies, and then migrate this data to a protected and less expensive Perpetual Tier of storage. Utilize the built-in data storage savings calculator to help identify the potential savings that can be realized by migrating data. StorCycle is capable of managing trillions of files in its database which is backed up daily.

2 Migrate

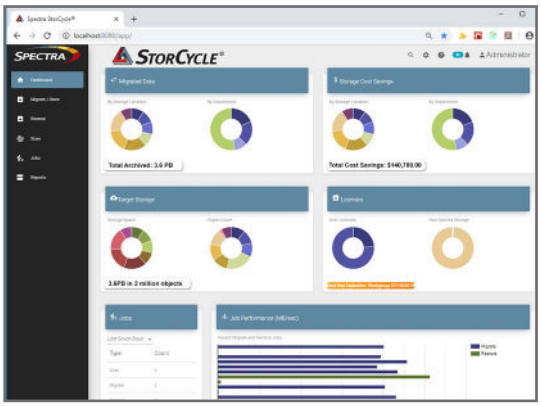
StorCycle software provides two basic methods of migrating data – Project Archive and Auto Migrate. The Project Archive method is for completed data sets which will change minimally, if at all, but cannot be deleted. The Auto Migrate method identifies inactive files based on user-defined age and size policies, and moves those files to the Perpetual Tier. The ability for StorCycle to easily identify and automatically migrate data off of primary storage to the Perpetual Storage Tier is invaluable - essentially extending production storage to provide limitless capacity at a fraction of the cost. StorCycle can be a standalone software product utilizing the cloud and user NAS, or paired with Spectra hardware to create a secure storage environment.

3 Preserve

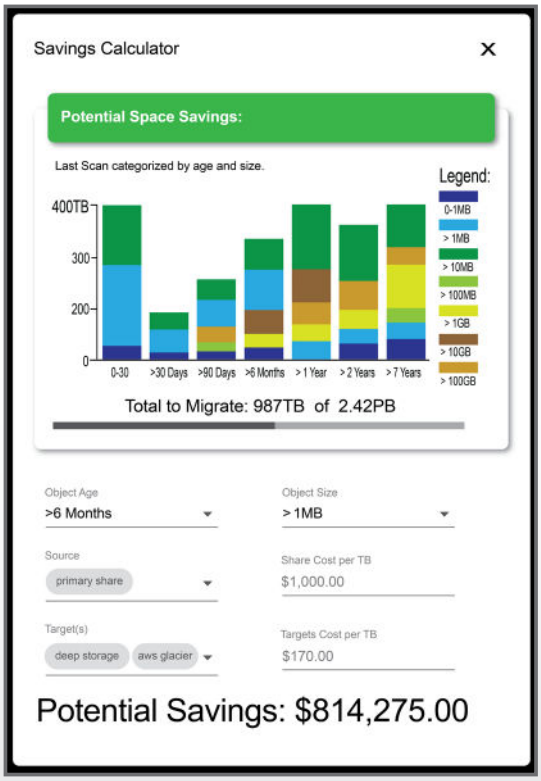
Cyberattack, ransomware, natural disaster or simple human error – any of these can destroy an organization's most valuable asset – its digital data. StorCycle software protects data through end-to-end checksums, encryption on all storage targets, and storage of multiple copies on multiple storage mediums. StorCycle is fully ADFS compliant meaning file permission will remain intact regardless of where data is stored. StorCycle enables organizational data to be stored in two geographically separate locations, e.g., cloud and local NAS or on-premise and remotely stored tape.

4 Access

StorCycle's unique ability to use HTML Links or Symbolic Links assures quick and easy user access to data even after it has been migrated. StorCycle removes the file from primary storage leaving a link behind for access. IT administrators are able to free up valuable primary storage while users continue to access their data seamlessly. The user-friendly StorCycle web interface also includes a robust search interface to easily find and retrieve files. StorCycle stores data in open formats such as CIFS or NFS file systems, LTFS tape or published cloud formats.



StorCycle main dashboard



StorCycle scan analysis example and Data Storage Savings Calculator

StorCycle License Levels

Administrator	Workgroup	Datacenter	Enterprise
• Users – 3	• Users – 25	• Users – 100	• Users – Unlimited
• Spectra Storage targets – Unlimited	• Spectra Storage targets – Unlimited	• Spectra Storage targets – Unlimited	• Spectra Storage targets – Unlimited
• Free Cloud Out – 25TB	• Free Cloud Out – 50TB	• Free Cloud Out – 100TB	• Free Cloud Out – Unlimited
		• Scheduled Delete	• Scheduled Delete

Customer can use existing NAS as a storage target for StorCycle. StorCycle can be purchased as a permanent license or a subscription license.

Server requirements

- 128GB RAM
- 8 cores running at a minimum of 2.8GHz
- 500GB System Disk
- 10 GbE network
- Recommend that customers use flash/SSD for the StorCycle server disk storage if they are going to group files into TAR or ZIP "Packs"
- When using packing, the StorCycle solution requires enough disk space for ten times the size of a pack (10GB) or the largest file that will be migrated/stored in a pack, whichever is larger.

Perpetual Tier Storage Targets

Compatibility is essential when deploying a new storage solution, and StorCycle's Perpetual Tier of storage is no different. The storage targets integrated with StorCycle support all industry-standard operating systems and major backup applications, such as Commvault and Veeam, allowing users the ability to run multiple applications and share the capacity of their storage targets with StorCycle.

StorCycle Use Cases

StorCycle Storage Lifecycle Management Software is designed for organizations that elect to manage unstructured data and files by offloading inactive data to a lower cost tier of storage without sacrificing data availability. With a number of use cases ranging from IT storage offload, project archive, traditional archive, digital preservation of files, media, videos, and ransomware protection, StorCycle enables organizations to efficiently and cost effectively manage their data at scale.

StorCycle helps a number of different markets manage and protect their data including: • Research & scientific data • Engineering data • Genomics data • HPC • University IT • Email archiving (PST files) • Medical research – project and data archive • Video surveillance content • Computer simulation • Architectural drawing • Federal, state and local government data • Petroleum exploration and seismic data • Drug research and development • Legal retention hold • IT archival of laptops and data from departing employees • VM image archival • Digital camera video offloading • Chip development and lifecycle management • IoT data capture/storage/archival • Database archive (version, transaction log files) • Artificial Intelligence (AI) data kept for training of algorithms

Spectra's StorCycle® software was a finalist in Storage Magazine's Products of the Year for 2021.

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About Spectra Logic Corporation

Spectra Logic develops a full range of Attack Hardened™ data management and data storage solutions for a multi-cloud world. Dedicated solely to data storage innovation for more than 40 years, Spectra Logic helps organizations modernize their IT infrastructures and protect and preserve their data with a broad portfolio of solutions that enable them to manage, migrate, store and preserve business data long-term, along with features to make them ransomware resilient, whether on-premises, in a single cloud, across multiple clouds, or in all locations at once. To learn more, visit www.spectralogic.com.

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