

Understand Your Data. Move It Efficiently. Reclaim Valuable Capacity.

Spectra Logic and rclone help organizations reclaim flash and disk capacity by moving inactive unstructured data to scalable, protected long-term storage, creating more room for active workloads while delaying the need for additional storage.



The Challenge

As unstructured data grows, inactive files continue to occupy valuable capacity on flash and disk storage systems. This consumes capacity needed for active workloads, increases infrastructure spending, and makes growing data environments more difficult to manage.



Flash & Disk Capacity Pressure: Inactive unstructured data consumes valuable storage capacity that could be reserved for active workloads.



Rising Infrastructure Costs: As inactive data accumulates, organizations must continually expand costly flash and disk infrastructure to accommodate this data growth.



Long-Term Retention: Keeping long-lived, infrequently accessed data on flash and disk systems creates a cost disadvantage that compounds over time.

A Smarter Approach to Storage Reclaim

As part of **Spectra Storage Reclaim™** Solutions, Spectra Logic and rclone provide a practical approach for reclaiming flash and disk capacity consumed by inactive unstructured data. Rclone moves targeted data from existing storage systems to Spectra BlackPearl® Object Gateway. BlackPearl Object Gateway then manages policy-driven placement across flash, disk, cloud, and tape, including Spectra tape libraries, for cost-effective, scalable long-term retention. BlackPearl Object Gateway capabilities include multi-tier management and native object-to-tape architecture.

What the Solution Delivers



Reclaim Flash & Disk Storage Capacity. Move inactive unstructured data to the right storage tier to free capacity for active workloads and delay or reduce the next flash or disk expansion or refresh.



Improve Cyber Resilience. Move retained data to protected, air-gapped tape to reduce online ransomware exposure while maintaining visibility, access, and recall.



Reduce Long-Term Costs. Give inactive unstructured data a more economical long-term home designed for retention and scale, while keeping flash and disk focused on active workloads.



Support Governance & Compliance. Keep retained data protected, visible, and available for recovery, compliance, and future use.



Scale Long-Term Retention with Confidence. Retain valuable inactive data for years or decades on economical tape storage designed for scale and long-term preservation.

83%

A typical organization may have up to 83% inactive data, creating a significant opportunity to reclaim capacity for active workloads. 1

Why Spectra & Rclone

Spectra and rclone combine straightforward data movement with scalable long-term storage to create an efficient storage reclamation solution for inactive unstructured data.

Move Targeted Inactive Data.

Use rclone as the data-movement layer between flash and disk storage systems and the Spectra storage environment.

Maintain Access & Manage Data Placement.

Use BlackPearl Object Gateway to manage policy-driven data placement across flash, disk, cloud, and tape while maintaining visibility, access, and recall to retained data.

Reclaim Capacity Economically.

Move inactive unstructured data off flash and disk systems to reclaim capacity for active workloads, reduce long-term retention costs, and delay unnecessary storage expansion.

How it Works

Flash and Disk Storage

Source environment containing active and inactive data.

Data Management

Rclone moves targeted inactive data.

Object Gateway

Spectra BlackPearl Object Gateway manages policy-driven data placement across flash, disk, cloud, and tape.

Archive Storage

Spectra tape library provides scalable, cost-effective storage for long-term data retention.

Start by Understanding Your Data

Spectra Storage Analyzer is a pre-implementation assessment. It provides visibility into file age, size, access frequency, and storage growth to identify data that is ready for movement and quantify opportunities to reclaim flash and disk storage capacity.

Everything You Need For Storage Reclaim

Effective storage reclaim brings together data insight, reliable data movement, policy-driven storage management, and scalable long-term retention. The Spectra Storage Reclaim Solutions with rclone combine these capabilities to identify the reclaim opportunity, move targeted inactive unstructured data, and place it on storage better aligned with its long-term value and access requirements.

	Product / Service	Role in Solution
Understand	Spectra Storage Analyzer	Pre-implementation assessment to identify and quantify the storage reclaim opportunity.
Move	rclone	Move targeted inactive unstructured data from flash and disk storage systems.
Manage	Spectra BlackPearl Object Gateway	Connect data movement with storage and manage placement across long-term storage tiers.
Store	Spectra tape libraries	Scalable, cost-effective storage for long-term data retention.
Services	Spectra Services	Planning, implementation, support, and maintenance.

Ready to Reclaim Your Flash and Disk Storage Capacity?

Start with your data.

Find out how much inactive unstructured data consumes flash and disk capacity. Spectra Storage Analyzer can quantify the reclaim opportunity, while Spectra Storage Reclaim Solutions with rclone provide a path to move and retain qualified data economically.

[Speak with a Spectra Expert](#)

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Customer Spotlight:



30+ PB

Protected While Reducing Storage Costs

The University of Utah's Center for High-Performance Computing

(CHPC) needed a cost-effective way to protect and retain more than 30 PB of valuable research data. Its existing approach made it difficult to establish an affordable, resilient long-term archive.

The university implemented a solution using rclone software, Spectra BlackPearl Object Gateway, and a Spectra Cube™ tape library.

By implementing a tape-based long-term storage architecture, the organization:

- Protected more than 30 PB of research data
- Reduced backup storage costs to approximately \$7 per terabyte
- Lowered power consumption
- Improved long-term protection and retention capabilities

"I sleep easier at night knowing our data is backed up in a Spectra tape library."

Sam Liston,
Sr. IT Architect, University of Utah
CHPC

1. Ctera Research White Paper, "The Cold Data Storage Report," Sept. 15, 2026; <https://www.ctera.com/news/new-ctera-research-reveals-just-4-4-of-enterprise-storage-is-actively-used/>



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