

S3 TAPE LIBRARY

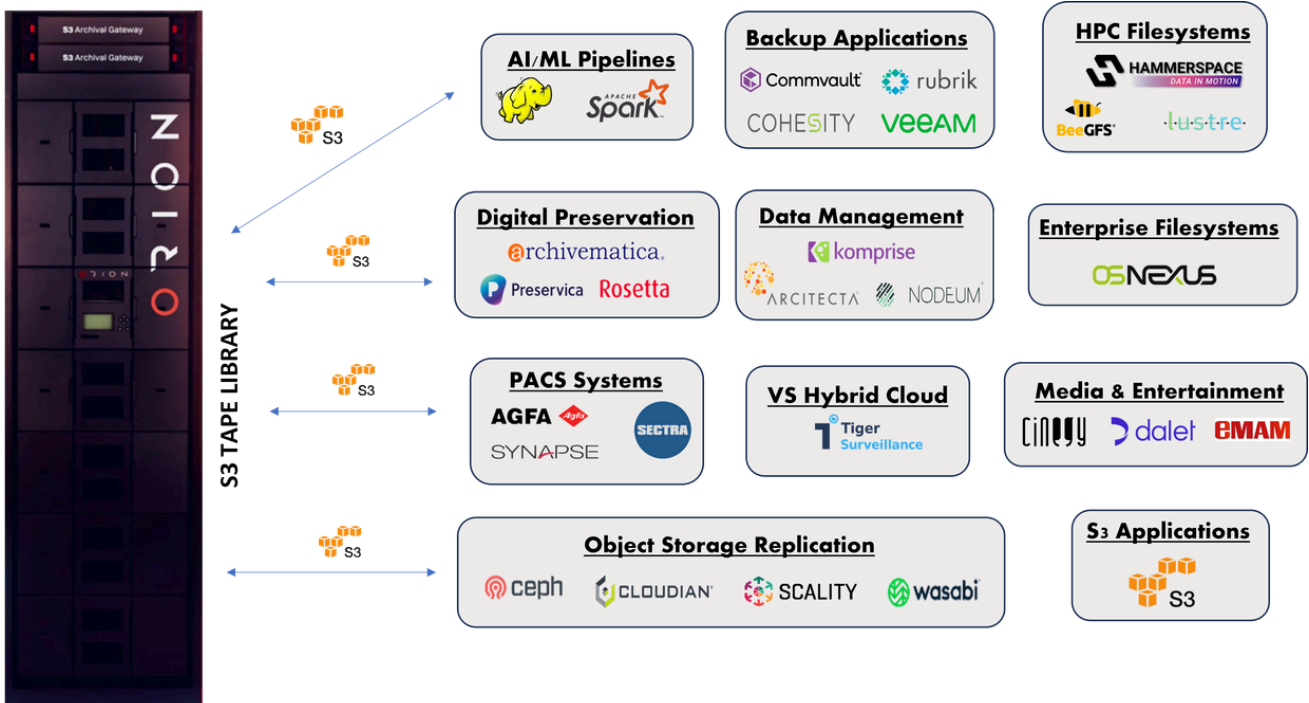
DATASHEET

The S3 Tape Library is a high-performance, tape-based object storage designed to meet the escalating demands of data-intensive environments such as hyperscale computing, AI research, and long-term archiving.

S3 Tape Library provides an S3-compatible object storage interface for LTZERO tape libraries, enabling a cloud-native and scalable tape-based archive. It supports modern data workflows and allows multiple tape libraries to operate as a unified, high-capacity archive environment with native S3 access.

S3 Tape Library exposes a standard S3 interface compliant with AWS specifications. Through this API, applications can accommodate tape-specific characteristics such as extended access times, ensuring seamless and consistent integration of tape storage into existing data center infrastructures.

S3 Tape Library supports cloud-native workloads, long-term data archiving, regulatory compliance, and cost-efficient at-scale storage. Integrated immutability and data-integrity protection mechanisms safeguard against ransomware, corruption, and accidental deletion, providing a secure and reliable storage foundation for modern IT environments.



S3 TAPE LIBRARY

USE CASES

- Migration from Expensive Cloud Storage
- Global File Systems
- Backup Applications
- Scientific Research & Media Repositories
- Ransomware Protection
- Regulatory Compliance and Legal Hold
- Data Preservation for Digital Assets

BENEFITS

- Data sovereignty through local storage, cloud-native interface via S3 API.
- Extremely low cost per TB, sustainability through low energy usage.
- WORM capabilities, air-gapped security, retention enforcement
- Automatic geo-replication

KEY FEATURES OF S3 TAPE LIBRARY

Intuitive WebGUI and CLI

Ensure a smooth user experience, even for those unfamiliar with tape management

Data Protection

Air Gap protection provides additional security against ransomware.

Multi-site Replication

Asynchronous replication to a DR location.

Data Rest API for third-party applications

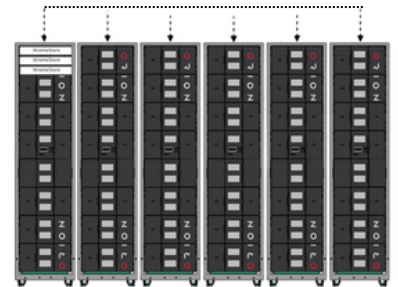
REST API enables third-party integration for extended metadata access.

Performance

A policy-based disk cache using internal disks or a SAN enables tunable read/write performance to optimize tape performance.

Data Compliance

Categorization and data segmentation based on users or business units.



Scalability

Delivers extreme scalability with its embedded NoSQL architecture, supporting billions of objects without performance loss. It enables both vertical and horizontal scaling, making it ideal for exabyte-scale storage demands. The S3's scalability of up to 138PB, up to 8 libraries, and up to 189 drives works with XtreamStore, further enhancing its capability to handle massive data growth

Multi-Tape Copy & Library

Create up to four tape copies per tape library and manage one or more tape libraries.

Metadata-driven archiving

An advanced metadata-driven feature allows users to efficiently optimize storage.

Combination with Metadata Hub

The Metadata Hub is the world's first product focused on harvesting embedded metadata to provide customers with a detailed data analysis capability. XtreamStore and Metadata Hub are an unbeatable combination.

What's Next?

Interested in knowing how S3 Tape Library can solve your data management challenges. Visit us at www.ltzero.com for more information and sign up for a risk-free trial!