

S3 TO ORION

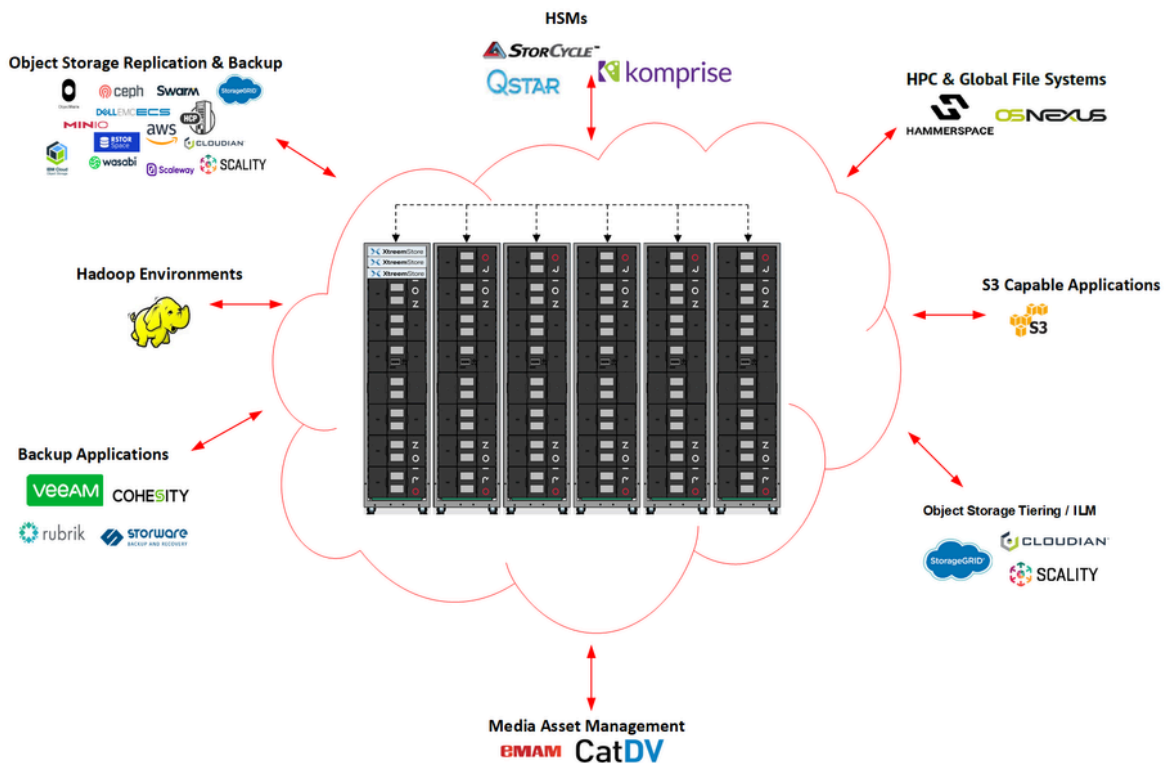
DATASHEET

An S3 interface that supports tape-specific latency, enabling seamless tape integration into S3-based infrastructures.

Gain More Control over Your Corporate Data

LT ZERO provides the established S3 interface standardized by AWS. With this API, tape-specific properties such as longer access times can be considered by applications. This allows a homogeneous integration of tape storage systems into the existing data center infrastructure.

The Orion MC6 is a high-performance software-based archive solution that acts as a gateway between S3-compatible object storage and tape libraries. It allows you to write data using the S3 protocol directly to tape media — typically LTO tapes in a tape library.



USE CASES

- **Replication & Backup** for Object Storage and Cloud environments
- **Object Storage Tiering / Information Lifecycle Management (ILM)**
- **Backup Integration** with leading backup applications
- **Hierarchical Storage Management (HSM) & Long-Term Archiving**
- **High-Performance Computing (HPC) & Global File Systems**
- **Advanced Data Management** across storage tiers

BENEFITS

- **Cybersecurity Protection** through air-gapped architecture
- **Regulatory Compliance & Archiving support**
- **Cost Efficiency** with low TCO for large-scale data
- **Sustainability** through minimal energy consumption
- **Data Sovereignty** via on-premises infrastructure

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KEY FEATURES OF S3 TO ORION



High Scalability & Availability

Designed for enterprise environments, Orion supports system and data-level redundancy, load balancing across interface nodes, and synchronous replication with failover protection. Erasure coding ensures data durability.



On-Prem Glacier

Integrate disk and tape systems as S3-compatible storage classes to build a cost-effective "On-Prem Glacier" solution within your data center.



S3 Standard & S3 Glacier with Lifecycle Mgt

Full support for S3 Standard and Glacier APIs, including lifecycle policies. Automate data movement between disk and tape based on usage and retention needs.



Comprehensive Tape Library Support

Supports all major LTO and IBM 3592 tape libraries. Avoid vendor lock-in with seamless library replacement and features like media migration, integrity checks, and offline tape management.



Tape-Only Mode

Enables direct access to tape without disk caching, offering a highly efficient, fully tape-based storage solution.



Single Namespace

Provides unified access to all data across disk and tape, simplifying integration and management.



Flexible Deployment

Available as a scalable multi-node cluster (Enterprise Edition) or single-server setup (Compact Edition), with geo-distributed deployment support.

What's Next?

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



LT ZERO is a leading provider of comprehensive data management solutions, specializing in data backup, archival, and restoration solutions. Leveraging on cutting-edge technology and strategic collaboration with BDT, a leader in manufacturing of Tape Libraries, LT ZERO ensures robust and reliable data protection for businesses of all sizes.

For more information, please visit www.ltzero.com