

Versity S3 Tape Archive Module



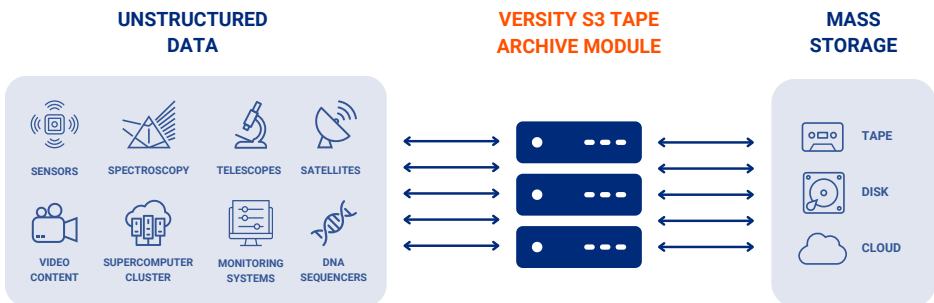
Unstructured data collections generated by artificial intelligence, HPC, IoT, scientific research, media, and surveillance are growing exponentially, stressing traditional storage architectures and IT budgets.

Versity S3 Tape Archive Module

Versity S3 Tape Archive Module provides high-performance S3-to-tape access, ensuring seamless and efficient data transfers between object storage and tape. The module provides a standard and scalable high-performance S3 interface supporting storage classes for data on cache (warm) versus on tape (cold), multi-part uploads for parallel data transfers of large objects, range gets, and IAM access control of buckets.

The Archive Module is vendor-neutral and future-proof to ensure compatibility with a wide range of storage technologies and generations, providing long-term scalability without vendor lock-in. An optional Extended Cache can be added anytime to improve retrieval times over tape. Simple point-and-click management, a powerful API, and extensive metrics provide management, configuration, and observability through the system.

- Support multiple generations of LTO and TS tape drives and media
- Flexible deployment model to enable access from multiple libraries from the same module
- Additional deep storage, including on-premise object and cloud-based storage solutions
- Optional Extended Cache for cost-effective fast data retrieval
- API and extensive metrics for observability



Unrivaled cost reduction by using economical, energy-efficient storage mediums, offering a more affordable and sustainable alternative to cloud storage

Vendor-neutral and future-proof with support for a wide range of storage technologies, ensuring flexibility and long-term scalability without vendor lock-in.

Deployable on any server, block storage or mass storage hardware, giving customers the power to choose and the option to change.

Unlimited capacity licensing allows scalable data management with predictable, transparent pricing for easier budgeting and growth planning

How It Works

Versity S3 Tape Deep Archive Module ingests data from various sources such as sensors, satellites, telescopes, spectroscopy equipment, video content, DNA sequencers, monitoring systems, and supercomputer clusters using multiple protocols including NFS, Samba, FTP, S3, and direct transfers. It employs a robust policy engine, scheduling capabilities, grouping to enable large streams of data to mass storage, and parallel data movement to ensure optimal data organization and retrieval. Data can be stored across various storage mediums, including object storage, tape, and cloud, providing a flexible, scalable, and cost-effective solution for managing extensive data collections.

Experience the Future of Cold Storage

The Versity S3 Tape Archive Module is more than just a storage solution; it's a vision for the future of cold data storage. It represents a commitment to transforming deep archival data into a powerful, cost-efficient resource, seamlessly integrated into your broader data strategy. With its exceptional scalability, cost-effectiveness, and open architecture, the Versity S3 Tape Archive Module enables organizations to store and access vast amounts of data while reducing overhead. At Versity, we are constantly advancing what's possible in cold storage, offering innovative archival solutions that meet today's demands and anticipate future needs. Embrace the future of deep storage with Versity and lead your organization into a new era of data management.

Key Benefits

High Performance

- High throughput to archival storage
 - 25GB/s per 5 node cluster
- **Parallel transfer:** Reads and writes data to mass storage devices through multiple channels per node simultaneously.
- **Customized and automated data orchestration policies** for streamlined, efficient workflow management tailored to unique organizational needs

Easy to Use

- Simple to use and easy to manage, requiring fewer resources for system administration
- **Extensive API coverage** to ease integration with third party tools and site specific workflows
- **Intuitive** interface and streamlined processes enable easy management for users with varying technical expertise
- **Open source** data formats using standard tools for seamless data handling

Reliable and Adaptable

- **High availability** even if servers are lost, with built-in failover and no need for external tools
- **Ultimate disaster recovery** directly from storage media that supports asynchronous remote replication for continuity
- Archive object directly to tape
- Supports on-premises S3 storage and public cloud services

About Us

Versity is a leading independent technology company focused on delivering innovative mass storage solutions. With a commitment to performance, scalability, and open-source collaboration, Versity empowers organizations to efficiently manage their data in a rapidly evolving digital landscape.



Worldwide consumer base managing over **2 exabytes** of data across 95 sites



Accelerated innovation driven by customer-focused feature requests and a strong, next-generation engineering team



Unrestricted access to expert guidance and **personalized support** from our highly-skilled engineering team

Trusted by Industry Leaders



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