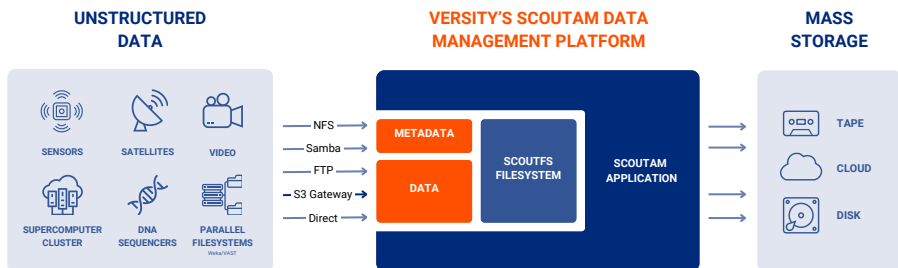# ScoutAM

Scalable Mass Storage For the AI-Era

Versity

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

Legacy Mass Storage Systems Stifle Performance

Legacy mass storage platforms struggle to keep pace with the demands of modern workloads, as organizations face rapidly expanding datasets and increasing complexity. Traditional systems often fall short in scalability, efficiency, and adaptability, failing to address the evolving requirements of today's high-performance computing environments. To stay competitive, businesses need advanced storage solutions that can handle massive data growth, offer cost-effective management, and adapt to technological advancements. ScoutAM meets these demands by providing robust, scalable solutions that enhance performance and reduce costs, ensuring that your data management strategy remains efficient and future-proof.

Introducing Versity's ScoutAM

ScoutAM enables organizations to tier, manage, and preserve large collections of unstructured data in a scalable, hardware-agnostic, and cost-efficient manner for long-term sustainability. With a modern architecture and code-base written in Go, it enhances data visibility and access, streamlines risk management with a policy-driven approach, and automates data placement across configurable pools of local or cloud storage, including high-performance disk, hybrid object storage, and tape.

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

Only platform delivering zero data migration from legacy systems like HPE DMF, IBM HPSS, IBM TSM, Oracle HSM, and Quantum StorNext.

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 ScoutAM Works

ScoutAM 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 Gateway, and direct transfers. Data is managed within the ScoutFS Filesystem, which handles both metadata and data storage. The filesystem supports online metadata, indexed attributes, and a scalable namespace to facilitate easy data access and management. ScoutAM employs a robust policy engine, scheduling capabilities, 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 Mass Storage

ScoutAM is more than just a solution; it's a vision for the future of data management. It embodies a dedication to transforming unstructured data from mere storage into a strategic asset, seamlessly integrated and optimized for actionable insights. With its unparalleled cost efficiency, user-friendly operation, and open architecture, ScoutAM empowers organizations to navigate and thrive in an evolving data landscape. At Versity, we are dedicated to pushing the boundaries of what's possible, providing cutting-edge archives that adapt to today's challenges and anticipate tomorrow's opportunities. Embrace the future of mass storage with ScoutAM and lead your organization into a new era of data innovation.

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

Key Benefits

High Performance

- High throughput to archival storage
  - 40GB/s per 5 node cluster

- **Parallel transfer**: ScoutAM 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

- O**pen 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 with Versity S3 Gateway

- Supports on-premises S3 storage and public cloud services

Trusted by Industry Leaders