Active Archiving & Disaster Recovery at Scale with DataCore Swarm & Atempo Miria

Atempo Miria is the most comprehensive Data Management solution to complement DataCore Swarm object storage for unstructured data protection and preservation

Data is the new global currency in today's digital age. DataCore Swarm software-defined object storage provides highly scalable, cost-effective storage for data-intensive organizations. Atempo Miria's agile Data Management platform delivers reliable and secure data protection and data movement at scale.

The combined solution's primary usage is highly flexible Active Archiving: enabling organizations to offload less frequently accessed, or cold data, from NAS and file storage to more costeffective Swarm object storage, to reduce overall storage costs, while keeping data secure and protected.

The second usage scenario: Disaster Recovery at-scale is a high-performance backup storage solution. Swarm provides a onpremise storage target for backups. Store, protect and manage your Miria backups on secure object storage tier that easily scales to support growing workload demands.

Both leverage the highly flexible Swarm software-defined object storage and agile Miria Data Management platform to simplify storage management and reduce costs.

KEY SOLUTION BENEFITS

Offload cold data to cost-effective storage
Miria efficiently moves cold data to more cost-effective Swarm object storage, and boosts data control.

Long-term data preservation and simple data search and access
Preserve valuable data for short or long periods of time. Users easily search, access data, or customize metadata.

Never perform another full backup while protecting massive volumes
Backup new and changed file sets at any scale. The solution is tailored for high parallelization and maximized throughputs.

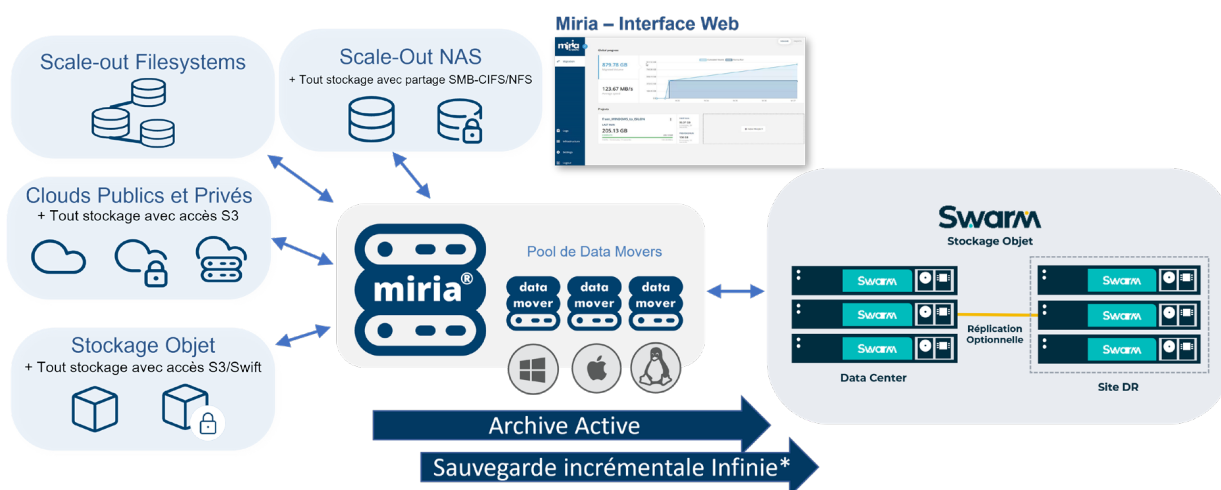**Unlimited scalability, any number of files, any files size**
Miria's FastScan rapidly collects new and changed files on NAS to accelerate backups and Swarm can easily scale from TBs to PBs to address growing data needs.

Miria and Swarm: High-performance Active Archive and High-capacity Backup

Miria's all-in-one Data Management platform provides abundant services to help organizations tame the unstructured data monster! Combined with Swarm object storage it opens even richer capabilities:

- Miria's Analytics capability simplifies all file storage scans: on-premise storage such as NAS, shared filesystems, and all off-premises cloud storage. Miria analyzes data usage and consolidates data to the Swarm for faster access, archives colder data for cost optimization.

- Miria's Archiving service coupled with Swarm delivers powerful parallel data flow management and performance for Active Archive platforms. Data can easily be retrieved by applications leveraging Miria's REST API or via the web interface.
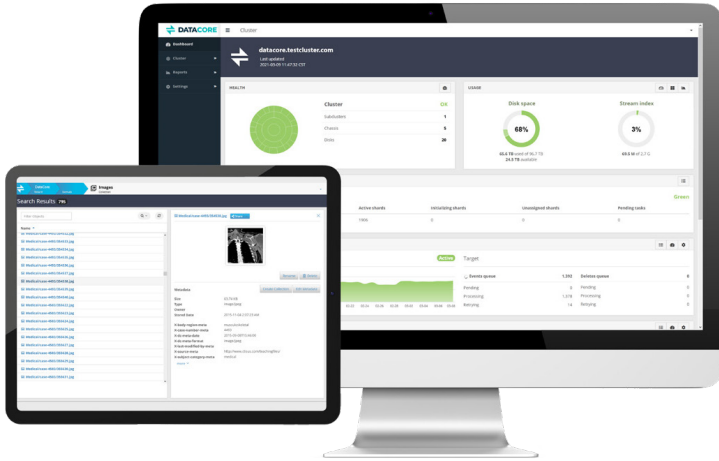

Miria d'Atempo et DataCore Swarm

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- The Backup solution delivers high-performance data protection to all file storage. Its advanced FastScan capability is integrated with all leading scale-out NAS to collect massive volumes of changed data and perform fast-paced incremental backups consolidated to the Swarm object storage. Miria and Swarm jointly deliver a unique "incremental forever" approach without ever performing another full backup. In the event of a disaster, the full backup image is rebuilt on demand by Miria.

DataCore Swarm

DataCore Swarm is a software-defined object storage solution for on-premises and private cloud environments.

DataCore Swarm radically simplifies the management, storage, and protection of large volumes of unstructured data while allowing S3/HTTP, NFS, and SMB access to any application, device, or end-user. Swarm transforms your data archive into a flexible and immediately accessible content library that enables remote workflows, on-demand access, and massive scalability.

Active Archiving and Backup at Scale

Atempo Miria's Archiving module manages data retention for short and long periods of time. It supports enriching data with metadata that simplifies retrieval. Archiving data to DataCore Swarm helps unclutter NAS, boost performance and make data management much more manageable.

Miria's Backup module includes FastScan ability for fast identification of new and changed files on most NAS storages – as well as incremental forever approach that frees IT resources from the burden of running long full backups. Miria secures frequent backup iterations by leveraging the DataCore Swarm to deliver high performance and maximize throughput via its adaptative parallel I/O architecture. The combined solution guarantees data protection at any scale or file number.

About Huawei

DataCore Software delivers the industry's most flexible, intelligent, and powerful software-defined storage solutions for block, file and object storage, helping more than 10,000 customers worldwide modernize how they store, protect, and access data. The company's comprehensive product suite, intellectual property portfolio, and its unrivaled experience in storage virtualization and advanced data services, position DataCore as the authority on software-defined storage.

About d'Atempo

Atempo is a leading independent European-based software vendor with an established global presence providing data protection and management solutions.

With over 30 years' experience, Atempo offers a complete range of proven solutions for physical and virtual servers' backup, laptops and desktops protection, and migration between different storages of very large data volumes.