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Miria for Synchronization

ATEMPO
preserving data ecosystems

HIGH PERFORMANCE FILE DATA MOVEMENT SOFTWARE FOR LARGE DATA VOLUMES

Miria is an open solution which includes Analytics, Backup, Migration and Archiving for heterogeneous large data volume storages.

Miria for Synchronization is a comprehensive solution to address data movement challenges between heteronegenous platforms.



- A centrally managed and secure archive is a key requirement for businesses dealing with exponential growth in data volumes and long-term retention needs.
- Provides capabilities for both automatic and manual archiving of large data volumes to long-term storage platforms.
- Ensures that all corporate data is easy to find and access for as long as it needs to be retained.

ADDRESSING KEY STORAGE MANAGEMENT CHALLENGES

Companies increasingly use heterogeneous storage infrastructures: multiple vendors, different technologies, on-prem or in the cloud or both. Incompatibility issues are frequent.

Organizations face growing needs to "share," "consolidate" or "move" large file sets between hybrid storages or between local or remote locations. There are few cost-effective and reliable solutions for securely synchronizing data.

MOST SYNCHRONIZATION TOOLS ARE LIMITED AND/OR PROPRIETARY

Proprietary synchronization solutions are limited, cumbersome to manage, and they lock-in your data. Free solutions are often not applicable and efficient at scale or between sites. You need a way to mobilize the value of your unstructured data across hybrid and multi-cloud environments without lock-in and without unnecessary costs and complexity.

SYNCHRONIZING HYBRID NAS/CLOUD STORAGES

Miria for Synchronization orchestrates cross-platform data movement for your large data file set volumes: no more limitations in terms of file size, number of files or type of file storages connected. Targets now include any NAS, PFS, cloud, object file storages or any hybrid combination of these.

You are free to relocate your data at will, when and where it is needed by your business.

MOVING DATA AT WILL, FROM ANY TO ANY

With **Miria for Synchronization** you are now in control of a proven and reliable Data Movement solution. Miria is open and completely vendor agnostic while offering powerful cross-platform **data synchronization** and **data movement orchestration** between a myriad of hybrid file storages.

Miria guarantees the security and integrity of your data and associated ACLs during data movement as well as the frequency of these operations to minimize differences between storages.

You are in full control of orchestrating data movement between on-prem or cross-site storages.



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- for Analytics
- for Backup
- for Migration
- **for Synchronization**
- for Archiving



"We want to extend our technological partnership with Atempo to optimize how our data is moved around our production ecosystem."

Jimmy Fournier, R&D Director at NFB

TYPICAL MIRIA FOR SYNCHRONIZATION USAGES:

- Sharing data sets or projects between large remote storages: for instance, syncing 200TB of data between Los Angeles and London offices/storages, syncing changes in a 500TB+ project repository to a cloud shared by multiple offices.
- Data sync between different vendor storages or different technologies: NAS/Cloud, Cloud/PFS, Object/NAS, etc.
- Fast data sync at petabyte scale between compute storage and less-expensive research disk space.

FREQUENT AND FAST SYNCHRONIZATIONS

Miria's Fastscan* enables a rapid identification of modified and newly created files. Even with billions of files on your storage, and no matter how big or small they are, your storage remains in sync.

You are given the choice between three dedicated replication modes:

- One-way sync that replicates new, modified, and deleted files which enables faithful storage clones every time.
- One-way sync that replicates new and changed files but does not include deleted files – which means file history is conserved from the source storage.
- Full bidirectional sync that replicates added and modified files on both sides.

FULL COMPATIBILITY AND NO VENDOR LOCK-IN

Miria is compatible with over 100 storage vendors, their different APIs, data formats and ACLs (see our compatibility guide for more details).

SCALABLE AND FAST DATA MOVEMENT

Needing to further increase the performances of your data movement? You simply add more Data Mover to your Miria infrastructure. Each Data Mover can synchronize multiple GB/s in parallelized flows.

Miria multithreaded technology enables us to separate file analysis tasks with these advantages:

- Accelerated start of data movement
- High-performance streaming process
- Load balancing for optimal data movement speeds
- Strong performances regardless of file size or network latency issues

Whether you need to move a few terabyte of data or full exabyte-scale data sets, Miria adapts to your technical environment to perform simply and rapidly, without constraints.

CENTRAL ADMINISTRATION

You have an eye over your data while on the move via the centralized, intuitive console that Miria administrators use to configure and monitor data movement.

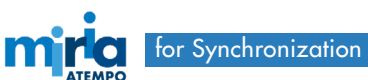
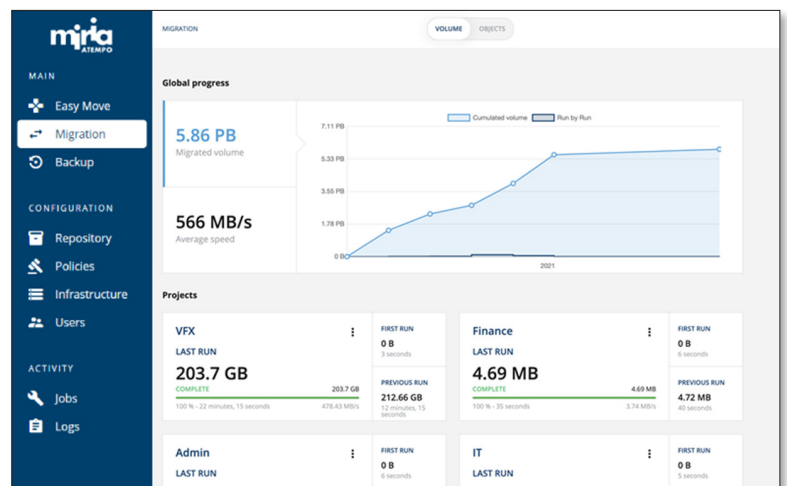
You also have a comprehensive view of your storages and data-at-rest with the brand-new Miria for Analytics: knowledge is power, and power here means more control on storage costs plus on-top archiving and backup with Miria.

*For compatibilities please check the Compatibility Guide

"I wanted a solution to entrust all my customers data. I researched the market and selected Atempo Miria. The solution can automate all the features that I require and it is reassuring that Miria is used by so many M&E leaders."



Arnaud Caréo,
Technical Director,
Le Labo



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Atempo Paris Headquarters | 23 Avenue Carnot, 91300 Massy | Tel: +33 164 868 300 | info@atempo.com