



Backup & Migration

HIGH PERFORMANCE DATA PROTECTION AND MOVEMENT

A single solution to back up, synchronize, migrate and move your unstructured data and files between heterogeneous storages

The challenges linked to managing large volume storage or millions or billions of files:



Exploding unstructured data volumes adds significant cost to your IT operational workflows



Having cold data on primary storage is expensive and slows down operations



Renewing storage is made more complex because of dependency on 100% single vendor storages and the budgetary impact (backup, snapshot, replications between NAS, ...)



The difficulty to handle often costly and complex solutions for data synchronization and migration or large volumes of data between heterogeneous storage

4 FREQUENTLY ASKED QUESTIONS FOR TEAMS MANAGING VERY-LARGE STORAGE CAPACITIES:

- How can we perform full backups when my incrementals don't even fit into the backup window?
- How do I manage the migration of millions or billions of files and folders between storages made by two different vendors while respecting data integrity?
- We are legally obliged to back up our data. Where can I find a powerful and reliable backup solution for millions/billions of files and folders?
- How do we automatically archive cold data in complete security?



Back up regularly and efficiently with successive increments



Simply recover a few files or complete volumes – including to another storage



Perform automatic and incremental file migration between heterogeneous storages



Adjust performances with the simple addition or removal of a Data Mover



Open solution which includes migration and synchronization between heterogeneous storages



miria
ATEMPO

- for Backup
- for Migration
- for Data Moving
- for Archiving

Unil

UNIL | Université de Lausanne

Michel Ruffieux –
Storage and Backup
Manager, University of

"We have backed up our unstructured NAS data sets based on multi-OS sources while respecting ACLs. Thanks to Atempo, our NFS and CIFS file systems are working in perfect harmony with S3-type storage"

STRUCTURED ARCHITECTURE WHICH COMBINES:

- A powerful database able to record and store billions of objects and metadata
- A cluster of machines to collect and move data (the Data Movers)
- A centralized admin interface to manage all the components of this solution, to define the infrastructure, monitor ongoing task progression
- A user interface available for work stations allowing users to back up and restore their own data by drag and drop
- APIs and CLI (Command Lines Interfaces) enable the integration and automation of the solution for existing application processes or professional workflows

MIRIA MODULES:



High performance storage backup for hundreds of terabytes or petabytes of unstructured file data and millions/billions of folders and files.

An open, multi-storage source (NAS & Scale-out NAS, storages and shared or parallel filesystems) with a wide range of target storages: disk, object, optical disk, tape and/or cloud.



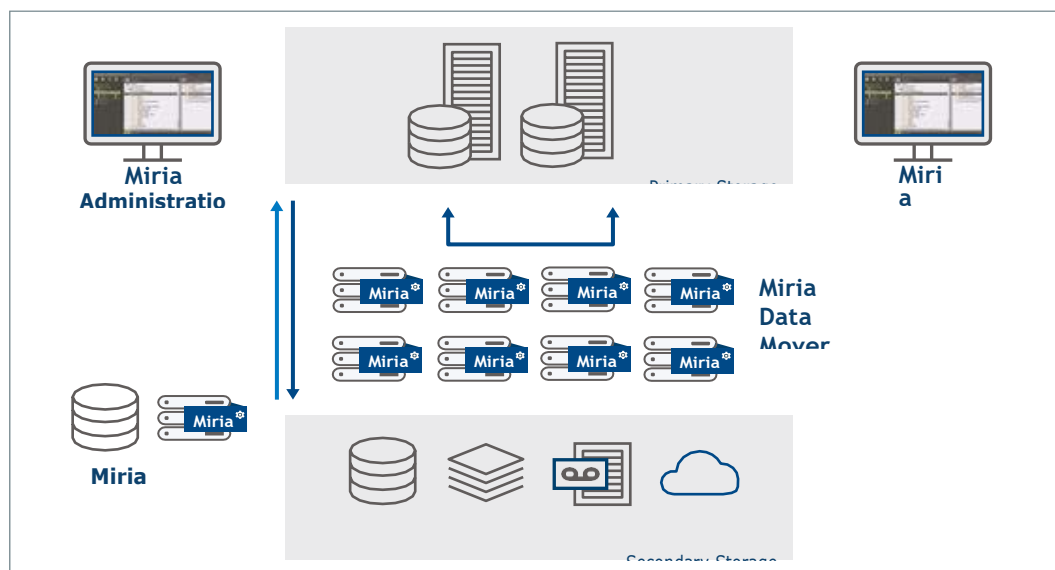
The solution for migration and synchronization of very large volumes and very high numbers of files. Miria for Migration reliably automates high performance data movement for your files and folders and associated ACLs between heterogeneous storages (NAS, distributed or parallel file servers). The solution is completed by a full range of professional services by Atempo teams from the initial audit of the technical perimeter to the final storage switch over.

French software vendor, Atempo is the European backup leader
Atempo is a specialized software vendor with an established global presence providing solutions to protect, store, move and recover all mission-critical data sets for thousands of companies worldwide.



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TECHNICAL ARCHITECTURE



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