MIGRATION MADE SIMPLE FOR VERY LARGE FILE VOLUMES BETWEEN STORAGES AND NAS

Rapidly move your unstructured data between heterogeneous storages (NAS, distributed or parallel file servers)

Migrating unstructured file data between storages is complex. Solutions such as rsync or robocopy are not scalable, require many time-consuming checks and can lead to data loss. The impact on production storage is often not under full control

Avoid the traps of a Do-It-Yourself approach:

- Tests / time-consuming errors
- Missing files and folders or inaccessible migrated objects
- Storage production stoppage
- Rapidly saturated networks and I/Os

4 KEY QUESTIONS FOR TEAMS MANAGING VERY HIGH CAPACITY STORAGE:

- How long would it take to migrate the content from my existing storage to a newer, more powerful NAS?
- Can I migrate a massive amount of files without stopping storage access for my users?
- How do I migrate user shares from one NAS to another and keep access rights fully intact after the migration?
- Can we migrate millions of files, folders and links between two storage platforms of a different vendor or different technology?

Migrating files incrementally and automatically between heterogeneous storages

No production downtime: storage remains 100% operational

Automatic object integrity and migrated file access checks

Adjust performances by simply adding or removing a Data Mover

Complete Software + Professional Services
An initial audit, constant monitoring and final checks

The migration process can then be transformed into a data protection for the new storage using the same solution

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miria ATEMPO

- for Backup
- for Migration
- for Data Moving

Solution Architect in the US Defense Sector

"We tested several paying and free migration software products and we chose Miria because we were able to perform the final switch in under 4 hours. Talk about making life easier!"

HOW DOES UNSTRUCTURED DATA MIGRATION WORK BETWEEN STORAGE:

- Iterative migration cycles
- Identify "new" files, folders, links etc. from your storage with no production downtime
- Migrate data to the new storage with fully respected formats, the correct formats and ACLs (access rights)
- Repeat this process until full convergence and synchronization between old and new storages
- Identify network shares and recreate them in the target storage
- Once the data is migrated, production is halted briefly to switch to the new platform. A simple network shift and the new storage displays all newly-migrated data

WHY MIRIA FOR MIGRATION?

Powerful and reliable migration tools to let you keep your old storage going until the new one is ready

During the migration of a production file system from one storage to another, Miria detects any modified or deleted object and managed the incremental forever synchronization. Storage migration has suddenly got a lot easier.

Highly parallelized process for optimal performance

Miria implements a technology which separates the detection of objects from actual data movement. Unlike many other solutions, Miria starts moving data very early on and uses a powerful parallel processing and powerful multi-task environment adapted to all file sizes.

Vendor-agnostic solution enables migration between different types of storage

Miria for Migration collects files with their access rights and ensures full compatibility with target storage and protocol.

Complete backup and software services

Atempo teams work alongside you from the initial audit to the final sign off for all files and folders on your new storage with full supervision of the successive migration phases.

TECHNICAL CHARACTERISTICS

COMPATIBLE STORAGE & FILE SERVERS (SOURCE AND TARGET FOR MIGRATION)	• NAS and Scale-out NAS: NetApp, Dell/EMC Isilon, Qumulo, Huawei and other NAS with CIFS/SMB or NFS shares • Shared or parallel storage and file systems: Lustre, DDN, IBM Spectrum Storage, GPFS, Panasas, StorNext, and similar systems • Industry-standard file servers: Windows, macOS, Linux, ... all supported by our solution • See our compatibility guide for more details
SUPERVISION	• Detailed reports at each step of the process enables the calculation of the migration convergence point how much data remains and any points to monitor • Centralized configuration and management
BANDWIDTH AND NETWORK THROUGHPUT	• Capacity to move data with very high transfer speeds (saturation of a 10 GB network for example) and limit network flow based on constraints • Possible to set migration times to minimize the impact on storage and the network • Adapted to very high data volumes with many small or very large files
ADVANCED STORAGE INTEGRATIONS	• FastScan is an option that can be activated for the migration on certain storages (Isilon, GPFS, NetApp,…). FastScan enables detection of created, modified or deleted files since the last migration cycle

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