ATEMPO
preserving data ecosystems

Proven Solution to Accelerate and Secure Massive Data Migration

NUTANIX
YOUR ENTERPRISE CLOUD

The massive rise of unstructured data impacts nearly all business sectors. IDC predicts 60% annual data growth. By 2025, organizations will store and exploit 175 Zettabytes of increasing dynamic data, 80 % of which is unstructured.

Atempo & Nutanix experts help businesses securely and reliably migrate their data from legacy storage systems to a new Nutanix Files platform, with high performance and cost-effective solutions.

High Performance Migration for Nutanix

Challenges

- Existing data often runs in various, heterogeneous storage environments and different file systems

- Not using a professional software to migrate large volume of unstructured data in its various formats can threaten the preservation of data integrity, or causes a negative impact on production and compromises storage performance

- Proprietary or free tools have reached their limits and don't properly address migration challenges. There is now a significant need for robust, scalable and reliable technology solutions that encompass performance

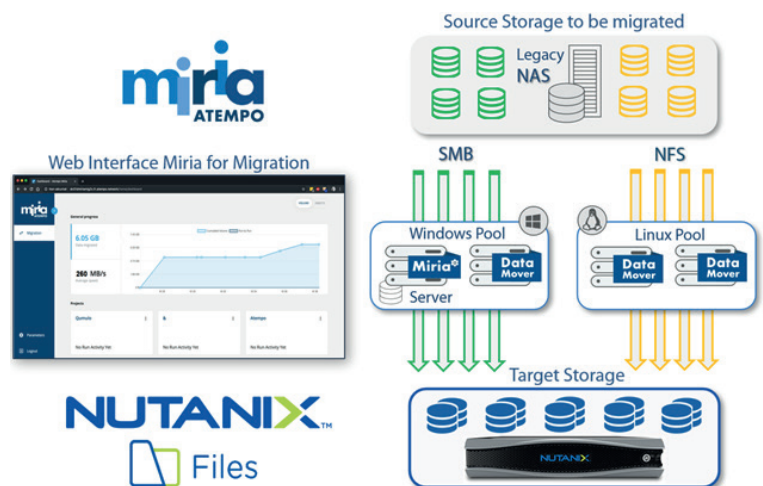### Miria for Migration to Nutanix Files: How does it work?

- Miria is a complete software suite that adapts to all file sizes and types and preserves the integrity of your access control lists (ACL's)

- Miria for Migration dedicated graphical interface allows to configure migration tasks and monitor it

- When the last migration cycle is complete, the actual storage cutover is very short

- If needed, Atempo professional services team can take the lead on any Migration Project

Nutanix Files and Miria Joint Solution Taking Data Migration to the Next Level

Far from being limited to simply switching users to a new storage environment, data migration requires a careful preparatory phase that is crucial to a successful migration. It is also essential to limit data access downtime to minimize the impact on production and users.

Whether migrating production data with specific access availability requirements, or integrity constraints, Miria for Migration significantly reduces migration times and the costs incurred to maintain the original storage.

Migrating your data to a Nutanix Files Storage environnent

Whatever the requirement -replacing an old storage system, consolidating several file storages- your existing storages must remain in production during the migration. Atempo Miria has become a key component of Nutanix's Data Migration Service with its unique capabilities to:

- Migrate data in successive data transfer cycles
- Collect new and modified data by users on source storage, and replicate smoothly to the Nutanix Files Storage
- Add or remove Atempo Data Movers to adjust data transfer speeds
- Finalize the migration in a straightforward final cycle
- Synchronization workflows can be configured in just a few clicks and monitored in real time, thanks to Miria's user-friendly graphical interface

Using the NFS and SMB access protocols, the joint solution makes it simple to securely migrate any existing file storage solution to Nutanix Files.

Nutanix Files Overview

Nutanix Files is a software-defined scale-out file storage solution designed to address a wide range of use cases, including Linux support and Windows home directories, user profiles and department shares. It precludes the need for a separate NAS appliance by providing a consolidated solution with unified management for VM and file services. Using Files, Nutanix customers can add file services to existing clusters or deploy new clusters of storage-dense nodes to address larger-scale file storage requirements.

Atempo Miria Overview

Atempo's Miria is a Data Management software allowing to synchronize, move, backup and archive unstructured data from different type of source storages (NAS, any NFS/SMB/S3, and PFS) to a wide range of storage destinations (disk, object, optical disk, tape, cloud).
Miria's FastScan avoids time consuming file tree walks during file-system scanning which means petabyte data movement is easy to take into account. Miria Data Movers manage parallel data streams which scale to data volumes and other workflow constraints.

Joint Solution Benefits

During the migration of one file system to another, and using its FastScan function, Miria software quickly detects all created, modified, or deleted objects and provides an "incremental synchronisation" with the target.

Using processes that can be run in parallel and that are multi-threaded for optimum performance, Miria software adapts to all file sizes (< 1KB up to several TBs) and maintains ACL integrity, thereby providing:

- Incremental and automatic file migration between heterogeneous storage
- Minimum impact on production and fast cutover to the new storage
- Automatic integrity checks on migrated files
- Performance optimisation
- A single platform to migrate and secure the new storage as required