





# miria migration

## Relocate and consolidate massive unstructured data sets, when and where needed.

Migrating file volumes between storage is complex. Tools like **rsync** or **robocopy** don't scale, demand time-consuming checks, and risk data loss or degraded production performance. **Miria Migration** guarantees data integrity, keeps your storage fully operational, and delivers relocation projects on time and on budget across heterogeneous NAS, object and cloud platforms.

 <p><b>Zero production downtime</b></p> <p>Storage stays 100% operational throughout the move.</p>	 <p><b>Vendor-agnostic</b></p> <p>Any storage to any storage different types and vendors.</p>	 <p><b>Integrity guaranteed</b></p> <p>Automatic object integrity and access-rights checks.</p>	 <p><b>Elastic throughput</b></p> <p>Tune performance by adding or removing Data Movers.</p>
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### ● ● ● Key benefits

01 · SYNCHRONIZE

**Keep old storage running until the new one is ready**

Miria detects every modified or deleted object and manages incremental-forever synchronization, so users keep working while data moves.

02 · PARALLELIZE

**Highly parallel for optimal performance**

Object detection is separated from data movement Miria starts moving early and uses multi-task parallelism tuned for every file size.

03 · INTEROPERATE

**Migrate between dissimilar storages**

Files move with their access rights intact, with full compatibility across the target storage and protocol NAS, object and cloud.

04 · VERIFY

**Automatic integrity & access checks**

Every migrated object is verified for integrity and accessibility no missing files, no inaccessible objects, no silent corruption.

05 · OBSERVE

**Full reporting in one console**

Supervise successive migration phases through an easy web monitoring interface progress, throughput and exceptions at a glance.

06 · DELIVER

**Software plus professional services**

Atempo works with you from initial audit to final sign-off on every file and folder, with constant monitoring across each phase.

# Storage migration, suddenly a lot easier.

The four questions every team managing very high-capacity storage eventually has to answer and the do-it-yourself traps Miria is built to avoid.

## 4 questions for high-capacity storage teams

- How long would it take to migrate from existing storage to a newer, more powerful **SAN / NAS**?
- Can I migrate a massive number of files **without stopping storage access** for my users?
- How do I move user shares between SAN/NAS and keep **access rights fully intact**?
- Can we migrate millions of files between platforms of different vendors **Lustre ↔ GPFS, cloud ↔ cloud, cloud ↔ local**?

## Avoid the traps of a DIY approach

- ✗ Time-consuming tests and error-prone manual checks
- ✗ Missing files and folders, or inaccessible migrated objects
- ✗ Storage production downtime
- ✗ Rapidly saturated networks and I/Os
- ✗ Incompatibility issues between source and target

<p>local → cloud</p> <p><b>To the cloud</b></p> <p>Move data from local storage into public or private cloud.</p>	<p>cloud → cloud</p> <p><b>Provider to provider</b></p> <p>Switch cloud providers, or shift from public to private cloud.</p>	<p>cloud → local</p> <p><b>Reverse cloud</b></p> <p>Repatriate data from cloud storage back on-premises.</p>	<p>local → local</p> <p><b>Across technologies</b></p> <p>Between vendors and file systems: Lustre, GPFS, NAS and more.</p>
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**"We tested several paid and free migration products and chose Miria because we performed the final switch in under 4 hours. Talk about making life easier!"**

SOLUTION ARCHITECT, US DEFENSE SECTOR

● ● ● **4 data services, 1 platform** ANY WORKFLOW · ANY FILE STORAGE

<p>● <b>Backup</b></p> <p>Protect file storages from damage and loss; guarantee fast production recovery.</p>	<p>● <b>Migration</b></p> <p>Efficiently migrate data volumes and billions of files between dissimilar storages.</p>	<p>● <b>Archiving</b></p> <p>Free up expensive primary storage and ensure data-preservation compliance.</p>	<p>● <b>Mobility</b></p> <p>Move files wherever needed and synchronize datasets across heterogeneous storages.</p>
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