

ATEMPO DATA PROTECTION SOLUTIONS

Back up, Archive, Move, Synchronize, and Migrate file based data sets



Easy-to-use end user and admin interfaces, and automation streamline data management.



PROTECTING, MANAGING AND PRESERVING DATA THROUGHOUT ITS LIFECYCLE

At a time when organizations are facing unprecedented data growth, rising infrastructure costs and intensified legal risks, Atempo simplifies data management and provides enterprise-class visibility and control. With Atempo solutions, organizations can protect, recover, archive, copy, move, synchronize and migrate unstructured data simply and effectively, across any infrastructure, on any platform, over any period of time.

Atempo's comprehensive portfolio of integrated software solutions includes: backup and recovery for complex data center environments, continuous data protection of desktops and laptops, on-going folders and file synchronization between heterogeneous, local or remote storages, permanent migration from one storage to a new one, occasional data movement (parking) between storages, and long-term archiving of files and email messages.

MEETING DATA MANAGEMENT CHALLENGES

Whether it's managing the data growth with a fixed budget, meeting regulatory compliance, or simply preventing data loss, organizations face new and increased business and operational challenges when managing their digital data sets.

Exponential Data Growth. With unstructured data sets representing more than 80% of corporate data and expected to grow up to 44 ZB in 2020, organizations must be able to assign storage resources based on the data's value to the business, throughout the data's complete lifecycle.

Mitigating Risk. Increased data capacity challenges corporate data protection strategies to maintain their RPO and RTO disaster recovery standards. In addition, data must be readily available for other purposes: for content reuse, for audits or to prepare for litigation.

Standardizing Policies and Meeting Regulatory Compliance. Organizations are challenged to enforce corporate standards for retention, security, and accessibility, across all data in their enterprise. Standards are often driven by regulations from the SEC, NYSE, NASD, Sarbanes-Oxley and HIPAA.

Operating with Reduced Budgets. In an effort to do more with less, organizations are leveraging existing applications, hardware and processes wherever possible. Their goal: simplify management with scalable solutions that offer centralized control, automation and clear and comprehensive reporting.

PROTECTION OF
DIGITAL DATA ACROSS
ALL PLATFORMS AND
APPLICATIONS

TIME NAVIGATOR

Built for complex, heterogeneous enterprise environments, Time Navigator offers complete data protection, whether you manage a single work group or multiple data centers. Time Navigator makes it easy to meet backup windows, to ensure digital security and to manage tiers of backup storage, regardless of the platform, application or media.

Time Navigation

A unique approach to data restoration locates and restores individual files from any point in time and from any tier of storage, enabling both IT staff and end users to quickly restore lost files.

Centralized Management

Configure and manage snapshots, replication, disk and tape backup media via an intuitive graphical interface. A web-based interface simplifies remote administration.

Block-Level Deduplication.

Our HyperStream Server provides block-level de-duplication for improved backup performance, storage savings and dedicated remote office protection.

Security and Compliance

Encryption, digital certificates, key management and activity trails can be applied to specific sets of protected data.

Broad OS, Platform, Application, Device and Technology Support

Protects data for all major UNIX, Linux, Windows and Mac OS platforms. Supports popular databases, messaging systems, virtual environments, ERP applications, and clusters. Advanced data protection features include:

- Integrated Disk to Disk to Tape (D2D2T)
- Third party snapshot management
- Hot backup of databases
- Asynchronous replication
- Granular recovery for databases, applications
- Advanced NDMP support for NAS appliances
- Dynamic Library Sharing for SANs
- Advanced VM back-up for VMware, XenServer and Hyper-V

SECURE, HIGHLY SCALABLE,
DATA PROTECTION FOR
COMPLEX, MISSION-
CRITICAL ENVIRONMENTS

LIVE NAVIGATOR

Live Navigator reduces the cost and failures associated with protecting and recovering data across all enterprise systems, from endpoint devices to remote and branch offices.

Designed for Endpoint Devices

Continuous Data Protection based on user activity, rather than scheduled backups designed to fit within the operational window of IT.

Advanced Data Deduplication

Disk storage and network bandwidth are optimized. Live Navigator backs up only new or changed files and stores only one copy eliminating duplicate backup data.

Broad end-point support

Works with all desktops and laptops, whether they run Windows, Linux or macOS.

Centralized Administration

Supports both centralizing control within IT, or decentralized pushing control to users.

WAN Optimized

Client-side de-duplication reduces the amount of data sent over the network to the backup server and media.

Integration with Time Navigator

Centralized administration with Block Repository.

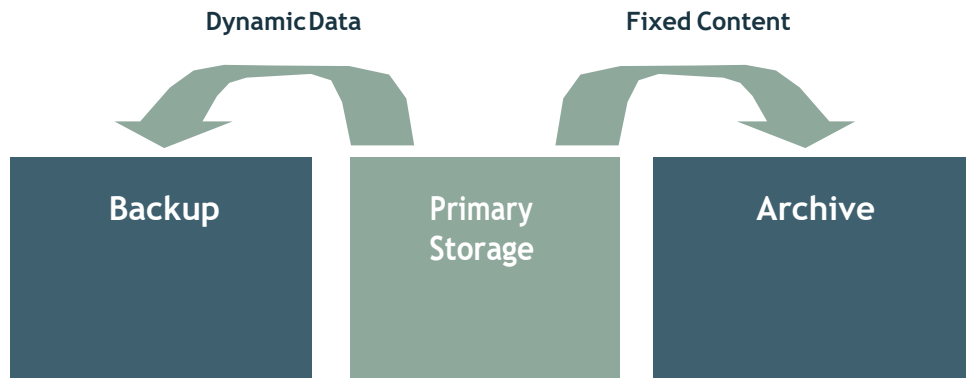
PROVIDES A STANDALONE,
CONTINUOUS DATA
PROTECTION SOLUTION
WITH ADVANCED DATA
DEDUPLICATION FOR
REMOTE OFFICES, DESKTOPS
AND LAPTOPS

DIGITAL ARCHIVE

Atempo's Digital Archive allows organizations to cost effectively manage the growth of their file-based data, particularly for data-intensive industries. Digital Archive is a high performance file management software for large file-based data sets that delivers:

- **Cross-platforms** backup and restore capability for large scale-out NAS, parallel file systems and file servers,
- **Express post-disaster restart** for protected NAS by offering direct use of the backup target for read/write use.
- File and folders on-going **synchronization** between heterogeneous storages with ACLs and remote sites support.
- Automated permanent **storage migration** between heterogeneous platforms with ACLs preservation.
- Delegation of **copy and move** operations on files and folders to operators between authorized storages.
- End-User Archiving via simple drag-and-drop interface allowing end-users operations without IT staff assistance.
- **Automatic Archiving tasks** for archiving according to IT policy
- Workflow Integration that fit in applications workflows.
- Advanced Metadata Search in archive based on file properties, custom keywords.
- **ACLs management** – Collecting files with their ACLs on source and converting them to suitable form on target.
- **Open formats** – Solutions uses TAR format as well as LTFS on tape and regular files on disk while maintaining the original folder structure.
- Scalable Performance with **Data Movers farms** that scale from tens to hundreds of terabytes with no performance bottlenecks.
- Centralized Administration
- Broad Storage & Media Support including disk, tape, object, and cloud storage.

HIGH PERFORMANCES
FILE MANAGEMENT
SOFTWARE FOR MASSIVE
UNSTRUCTURED DATA SETS



Backup and archive offer unique benefits throughout the data lifecycle.

	BACKUP	ARCHIVE
How They Are Used	Backups create point-in-time copies of active systems and files. Examples include anything a user or system regularly interacts with, including database files, office files, and media files.	Archives are for storing fixed content--assets that are unlikely to change, either because they haven't been modified recently or because they don't get modified once produced. Examples: daily log files, surveillance videos, or purchase orders.
Key Difference	When performing backups, files are copied to a backup storage system.	When archiving, files are generally moved from primary storage to archive storage media.
Key Value	Instantaneous recovery for rapid return to service. Guarding against lost files and lost staff hours due to hardware or software Failures, accidental file Deletion, and cyberattacks.	Storage management and long-term preservation. Managing storage infrastructure to reduce costs through data migration. Preserving content for reuse, regulatory compliance or e-discovery.

While "backup" and "archive" are sometimes used interchangeably, there are key differences



Created in 1992, Atempo is a leading independent European-based software vendor with an established global presence providing solutions to protect, store, move and recover all mission-critical datasets for thousands of companies worldwide. **Time Navigator (ATN)** provides a range of backup and data preservation solutions for applications and servers. **Live Navigator (ALN)** comprises a continuous data protection solution for workstations, file servers and laptops. **Digital Archive** is a powerful and scalable backup, archive, migration and synchronization solution for petabyte levels of non-structured data. Atempo commercializes a range of **all-in-one backup appliances** particularly for remote-site environments. With this feature set and an extensive range of supported storage technologies and applications, Atempo is suitable for all centralized or multi-site organizations including those with petascale data volumes. Atempo is headquartered in Paris and is present in Europe, the US and Asia with a partner network in excess of 100 partners, integrators and managed service providers. For more information: www.atempo.com

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