



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 products, organizations can protect, manage, archive, and recover digital information 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, 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.

Exponential Data Growth. With growth projected at 62% CAGR through 2012, 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.

Atempo Products at a Glance

Atempo Time Navigator™

- Secure, highly scalable, data protection for complex, mission-critical environments

Atempo Live Backup™

- Transparent, real-time backup of desktops and laptops with user-initiated recovery

Atempo Digital Archive™

- File archiving for storage management, long-term retention and e-discovery

Atempo Digital Archive for Messaging™

- Email archiving for mailbox management, compliance and e-discovery

Key Benefits

Manage data throughout its entire lifespan

- Data is secure and accessible from the moment it's created until decades after it's archived.

Contain storage growth

- Archive products and deduplication technologies optimize storage to control costs.

Mitigate legal risk and ensure compliance

- Ensures information is quickly and easily accessible from any location, for any business need.

Improve staff efficiency

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

Atempo Time Navigator

Built for complex, heterogeneous enterprise environments, Atempo Time Navigator offers complete data protection, whether you manage a single work group or multiple data centers. Atempo 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. Atempo HyperStream Server provides block-level deduplication for improved backup performance, storage savings and dedicated remote office protection.

Security & 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, VMs, applications
- Advanced NDMP support for NAS appliances
- Dynamic Library Sharing for SANs

Atempo Live Backup

Atempo Live Backup gives end users and IT staff peace of mind knowing that data on laptops and desktops is automatically and continuously backed up and available for instant recovery if a PC crashes or is lost or stolen.

Transparent Real-Time Protection. Continuous Data Protection (CDP) technology monitors files for changes, ensuring recovered data is as current as the last save. Backups occur automatically, without interrupting end-users' work or overloading the network.

Disconnected State Support. Continues to protect data even while laptops are roaming.

Self-Serve File Recovery. A user-friendly interface makes file recovery easy for users, minimizing the need for IT assistance, improving productivity and lowering TCO.

Data Deduplication. Eliminates duplicate user documents and system files, which saves storage space and reduces bandwidth usage, significantly reducing costs.

System Rollback with Automated Checkpoints. Versioning capability lets you easily restore malfunctioning systems without time-consuming troubleshooting. Automated checkpoints guarantee consistent and continuous protection.

True Bare-Metal Disaster Recovery. Completely restore lost, stolen or unbootable PCs and laptops without reinstalling the OS and applications-in hours versus days.

Centralized, Remote Management. Administrators can enforce consistent backup policies across the WAN and control features available to individual users.

Heterogeneous Support. Protects Windows and Mac users with a centrally managed multi-platform solution.

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

	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 archival 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 and accidental file deletion.	Storage management and long-term preservation. Managing storage infrastructure to reduce costs through data migration. Preserving content for reuse, regulatory compliance or e-discovery.

Atempo Digital Archive

Atempo Digital Archive (ADA) allows organizations to cost effectively manage the growth of their file-based data, particularly for data-intensive industries like Media & Entertainment, Scientific Research and Healthcare. ADA also reduces the burden of e-discovery and ensures long-term retention of critical business data in compliance with government regulations.

End-User Archiving. A simple drag-and-drop interface, plus integration into selected application workflows, allows end-users to archive and retrieve data without IT staff assistance.

Automatic Archiving (HSM). Supports automated tasks for archive according to IT policy, including creating stub files on primary storage.

Workflow Integration. Flexible and customizable to fit your workflow and your applications.

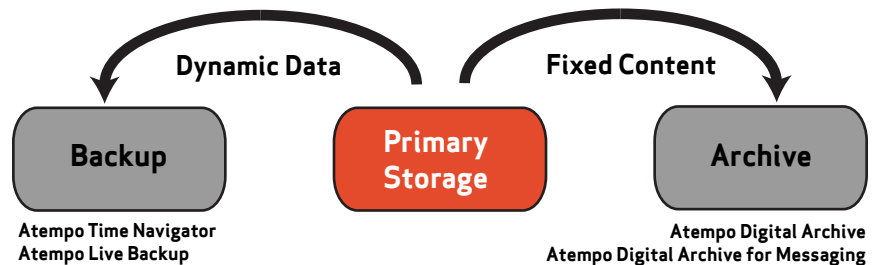
Advanced Metadata Search. Search archive based on basic file properties, custom keywords, or file's full text content.

Non-Proprietary & Open. A software solution, not an appliance. Uses TAR format on tape and regular files on disk.

Scalable Performance. Scalable from tens to hundreds of terabytes with no performance bottlenecks.

Centralized Administration. Gives IT the flexibility to manage archives based on site-specific policies including setting retention rules based on owner or data type, and role-based archive access.

Broad Storage & Media Support. Data can be archived using standard formats on a broad range of storage media, including disk, tape and cloud storage.



Backup and archive offer unique benefits throughout the data lifecycle.

Atempo Digital Archive for Messaging

Atempo Digital Archive for Messaging (ADAM) is a unified email archiving platform that allows companies to cost effectively address the growth in email, reduce the burden of e-discovery, and adhere to specific compliance mandates. The solution scales to handle thousands of mailboxes and integrates with a broad variety of mail servers.

For All Electronic Communication. Archives and indexes email, instant messages, text messages, and faxes.

Full Content Indexing & Search. The archive is fully indexed for rapid retrieval. Email components (subject, body, attachments, etc.) are indexed separately to support scoped, text-based search criteria.

Powerful Retention Policies. Search criteria can be used to apply any number of retention policies per email. The retention policies can be applied during archiving or retroactively to existing data.

High Scalability. Supports enterprise clients processing millions of emails and gigabytes of data per day.

Single Instance Storage. Optimizes storage by not only eliminating duplicate emails, but duplicate attachments as well.

Broad Platform & Application Support. Supports a wide range of operating systems, JDBC compliant relational databases, email servers, and storage devices.

For more detailed information about Atempo products, visit www.atempo.com/ resources.



About Atempo

Atempo enables organizations to protect, manage, archive, and recover digital information simply and effectively, across any infrastructure, on any platform, over any period of time. Atempo's portfolio of integrated software solutions simplifies the management of data throughout its entire lifecycle. Atempo serves thousands of customers around the world through a sales and support network of over 200 resellers and partners.

Learn more at www.atempo.com