



Preserving and Protecting Digital Content in File-based Workflows

From protecting newly ingested footage to archiving completed projects, Atempo Digital Archive protects and preserves content throughout digital media workflows, and optimizes storage capacity as storage demands increase. Whether you're a boutique post-production house or a broadcast media giant, Atempo Digital Archive scales to fit your performance and capacity needs. With Atempo, your content will be protected and remain accessible—not only during edit, but also perpetually in a long-term archive.

Archive: A Critical, Central Element for Digital Workflows

From Digital to HD and Beyond

The past decade has been a period of massive change for media workflows. First, it was “going digital”—replacing complete tape or film-based systems with completely new digital equipment and processes. For those who have transitioned to digital, the next challenge is “going HD”—managing high definition content and the tremendous storage capacities it requires. At the same time, the archive has taken a new role as a central element accessed throughout the workflow. Archives are no longer dusty storage rooms filled with videotapes or film. Today's archive must be an active storage component accessible from all steps in the workflow and storing more than just completed works.

Protecting and Preserving Content throughout its Lifespan

Atempo Digital Archive protects and preserves digital content from the moment it enters the workflow until decades after the finished work is archived for long-term preservation. Atempo Digital Archive can detect

newly ingested raw footage and immediately archive it, while leaving the files in place for editors to use. For preservation projects, Atempo Digital Archive scales to archive terabytes of content daily, so you can preserve historical works while they're still readable. Flexible archive and retrieval mechanisms allow access from all points in the workflow—to and from virtually any storage system, any workstation, and any archive media.

Maximizing Storage for HD Workflows

By migrating files between tiers of storage, Atempo Digital Archive excels at storage management, matching the content's access needs to the appropriate storage tier. More than a simple HSM solution, it allows you to search and retrieve content from the archive regardless of where it originated. With HD becoming standard and 2K, 4K and 3D projects appearing, any wasted storage is magnified many times over. Atempo Digital Archive also allows you to safely clear out the storage areas knowing that you can quickly and easily retrieve content from the archive.

Key Features and Benefits

Atempo Digital Archive (ADA) is an open archive software solution with automatic, end-user, and workflow-triggered archiving. Atempo Digital Archive migrates content from primary storage to near-line and deep archives, whether digital tape, disk or cloud storage. Unlike HSM-only solutions, Atempo Digital Archive provides rich search and retrieval capabilities—from a drag-and-drop UI to stub files to metadata search.

User Initiated Archive

ADA provides a simple drag-and-drop interface so your users can archive and retrieve projects without assistance from an archivist. Based on permissions, users can archive files into personal or project-based directories, and retrieve projects archived by others to their local work area—not just to the original project location.

Automatic Archive

Atempo Digital Archive offers a built-in HSM functionality that automatically migrates files based on policies you set up specifically for your workflow. The migration criteria can be configured to consider file location, file type, creation date, last access date and more.

Final Cut Server & Final Cut Pro Integration

ADA is integrated directly into Final Cut Server and Final Cut Pro, allowing archive directly from their interfaces. With the Atempo plug-ins, archiving an asset or project will immediately archive the content to a tape or disk archive device. Unlike other solutions, ADA does not delete content from the archive on restore.

Open, Flexible Solution

Atempo Digital Archive has the ability to archive from a broad range of file systems and storage devices. It also uses the non-

proprietary TAR format to write to tape, making the archive open and readable without proprietary software. Multiple archive and retrieve options, coupled with a flexible archive structure and access controls, make it the solution of choice for a wide range of workflows.

High Performance Workflows

To prevent performance bottlenecks, ADA can be configured with dedicated data movers. These data movers keep editor's workstations and central file servers out of the data path so users are not slowed down, even as capacities climb to hundreds of terabytes. The access to archived media can also be virtualized for load-balancing and fail-over. Full fiber channel configurations are supported and single instance storage eliminates archiving redundant files.

XML Ingest

Atempo Digital Archive provides an advanced archiving method that enables users to archive files from nearly any application or digital asset management tool able to generate an XML file. This functionality can take the generated XML file, extract the necessary information and metadata and run the archive which offers unlimited archiving possibilities.

Support of Industry Formats

ADA offers dedicated support for MXF and DPX file formats. These formats are used for exchanging metadata linked to audio and visual content and are becoming industry standards. In addition, ADA enables the restoration of the full or only a selected portion of an archived MXF file. This key functionality saves time when only part of an asset is needed.

Compatibility

End-user Interface Operating Systems:
Microsoft® Windows®, Mac OS®, Java® for UNIX and Linux® Platforms

ADA Server Operating Systems:
Microsoft Windows, Mac OS, Linux, UNIX

Shared File Systems:
Apple Xsan, Quantum StorNext, Sun Lustre

Platforms Supported as Primary Storage:
Microsoft Windows, Mac OS, Linux, UNIX, NAS, EMC® Celerra® unified storage systems, NetApp® FAS series filers

Archive Devices & Media Supported:

- ◉ Disk, Tape, WORM
- ◉ HDS HCAP content addressed storage
- ◉ EMC® Centera® content addressed storage
- ◉ Nirvanix™ SDN cloud storage
- ◉ EMC® Atmos™ cloud storage
- ◉ Permabit® Cloud Storage
- ◉ Permabit Enterprise Archive™

Refer to the Atempo Compatibility Guide for the current list of supported systems.



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