

Atempo Digital Archive™

Uniquely Powerful

# **Atempo Digital Archive**

## **Compatibility Guide**

ADA Version 3.2 SP7

Last Update: November 7, 2011, 2011

# Atempo Digital Archive - Version 3.2 SP7

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## GENERAL INFORMATION

Presentation:

- New information in this document is shown in blue.
- End of Life components are shown in red

New sections added:

- Important notice: Licensing & End of Life
- New ADA components and supported platforms

## IMPORTANT NOTICE

### 1. LICENSING

Version 3.2 of Atempo Digital Archive adds one new option to be added on any existing ADA license:

- Option - ADA for Avid Interplay

Version 3.1 of Atempo Digital Archive did add new options and bundle packages:

- Options are available to be added on any existing ADA license
- Bundles are available for first-time buyer only

The following options and packages need a specific license to be activated:

- Option - ADA for Final Cut Server
- Option - ADA for Final Cut Pro
- Option - Automatic Metadata Import for media industry file formats (MXF, DPX,...)
- Option - Automatic Metadata Import for graphic file formats (AVI, JPG, MPEG,...)
- Option - Rich Media Option
- Bundle - ADA for Final Cut Server
- Bundle - ADA for Final Cut Pro

Please note:

- The demo license activates all options in Atempo Digital Archive for 30 days.
- Upgrade the Atempo Digital Archive Server license prior to upgrading to ADA v3.1 or v3.2 if using Final Cut Server
- The new option “deduplication on File Name & Size” and “deduplication on File Name & Size & Modification time” needs a specific License option available only as an add-on. To request this license, download and sign the disclaimer available at: [http://www.atempo.com/legal/ADA\\_File\\_Size\\_Dedup\\_Disclaimer.pdf](http://www.atempo.com/legal/ADA_File_Size_Dedup_Disclaimer.pdf)

## 2. END OF LIFE (EOL) EFFECTIVE WITH ADA V3.1 AND ADA V3.1 SP1

EOL components in version 3.1 of Atempo Digital Archive:

Operating System	ADA Component	Architecture
MAC OS 10.4 (Tiger)	ADA Server	32 bits / 64 bits
	ADA Agent	32 bits / 64 bits
	ADA HSM Filter Drivers	32 bits / 64 bits
	Native User Interface	X86-32 / X86-64 PPC
Windows 2000	ADA Server	32 bits
	ADA Agent <sup>(1)</sup>	32 bits
	ADA HSM Filter Drivers <sup>(1)</sup>	32 bits
	Native User Interface	32 bits
	ADA HSM Client	32 bits
	ADA Administration Console	32 bits
Solaris 8	ADA Agent	SPARC

This EOL is effective with the General Availability of this version.

If using an ADA Server for Windows 2000 or Mac OS 10.4, please consider upgrading your operating system.

[Note \(1\): ADA Server 3.2 is able to operate with Windows 2000 v3.0 ADA Agents.](#)

However, be aware that 3.0 Agents will not be maintained, and corrections following possible incidents will only be available in version 3.2.

## ATEMPO DIGITAL ARCHIVE - SERVER

ADA Server		
Operating System	Version	Architecture
Linux	Red Hat <sup>(2)</sup> 4	X86-64
	Red Hat <sup>(2)</sup> 5	X86-64
	Red Hat <sup>(2)</sup> 6	X86-64
	SUSE SLES v11	X86-64
Microsoft Windows	Server 2003	X86-32
		X86-64
	Server 2008	X86-64
	Server 2008 R2	X86-64
SUN Solaris	Solaris 9	SPARC
	Solaris 10	SPARC
Mac OS X <sup>(1)</sup>	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64

**Note (1):** Archiving & Retrieval of objects located on remote share through Apple File Protocol (AFP) are not supported.

**Note (2):** We recognize Red Hat as a certified supplier. Our certifications do not apply to non-Red Hat software, rebranded Red Hat software, or Red Hat software if it has been changed, altered, or maintained with non-Red Hat modification.

## ATEMPO DIGITAL ARCHIVE - AGENT

ADA Agent		
Operating System	Version	Architecture
HP-UX	11i v2	Itanium
	11i v3	Itanium
IBM AIX	5.2	64
	5.3	64
Linux	Red Hat <sup>(2)</sup> 4	X86-64
	Red Hat <sup>(2)</sup> 5	X86-64
	Red Hat <sup>(2)</sup> 6	X86-64
	SUSE SLES v11	X86-64
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64
Microsoft Windows	Server 2003 <sup>(1)</sup>	X86-32
		X86-64
	Server 2008 <sup>(1)</sup>	X86-64
	Server 2008 R2 <sup>(1)</sup>	X86-64
	XP	X86-32
	Vista	X86-64
Windows 7	X86-64	
SUN Solaris	Solaris 9	SPARC
	Solaris 10	SPARC

Note (1): Cluster Install ADA HSM Filter Driver can be installed on a Windows cluster (Active/Passive). This installation is performed by Atempo Professional Services.

**Note (2):** We recognize Red Hat as a certified supplier. Our certifications do not apply to non-Red Hat software, rebranded Red Hat software, or Red Hat software if it has been changed, altered, or maintained with non-Red Hat modification.

## ATEMPO DIGITAL ARCHIVE - HSM FILTER DRIVER

The ADA HSM Filter Driver delivers the stubbing capability on primary storage only.

ADA HSM Filter Driver			
Operating System	File System	Version	Architecture
Mac OS X <sup>(1)</sup>	HFS <sup>(2)</sup>	Mac OS X 10.5 (Leopard)	X86-32
		Mac OS 10.6 (Snow Leopard)	X86-32
			X86-64
Microsoft Windows	NTFS <sup>(2)</sup>	Server 2003 SP1	X86-32
		Server 2003 <sup>(3)</sup>	X86-64
		Server 2008 <sup>(3)</sup>	X86-64
		Server 2008 R2 <sup>(3)</sup>	X86-64
		Vista	X86-64
		XP SP2	X86-32
		Windows 7	X86-64

**Note (1):** When using the stubbing capability on Mac OS X and using the Mac OS X Finder to browse the file system, unwanted recalls might be triggered by the Finder's preview capability. Install the Atempo Digital Archive Prevent Recall option to ensure that such recalls are prevented.

Please refer to the Atempo Digital Archive - Prevent Recall section for more information on the Atempo Digital Archive on the environment supported by the Prevent Recall option.

**Note (2):** The following File Systems are not currently supported by ADA HSM Filter Driver: Lustre, StorNext, XSAN, VXFS,...

**Note(3):** Cluster Install ADA HSM Filter Driver can be installed on a Windows cluster (Active/Passive). This installation is performed by Atempo Professional Services.

**Note(4):** HSM FD is not compatible with usage of offline tapes

## ATEMPO DIGITAL ARCHIVE - HSM CLIENT

ADA HSM Client		
Operating System	Version	Architecture
Microsoft Windows	Server 2003	X86-32
		X86-64
	Vista	X86-32
		X86-64
	XP	X86-32
		X86-64
	Windows 7	X86-32
		X86-64
	Server 2008	X86-32
		X86-64
	Server 2008 R2	X86-32
		X86-64
NAS via CIFS	(See Gateway Proxy Capability)	

**Note (1):** The ADA HSM Client component is installed on each platform that has to access the data and not on the NAS

**Note (2):** Please check section Language Availability for languages supported by this ADA components.

**Note(4):** HSM Client is not compatible with usage of offline tapes

## ATEMPO DIGITAL ARCHIVE - ADMINISTRATION CONSOLE

ADA Administration Console		
Operating System	Version	Architecture
Microsoft Windows <sup>(1)</sup>	Server 2003	X86-32
		<a href="#">X86-64</a>
	Server 2008	X86-32
		<a href="#">X86-64</a>
	Server 2008 R2	<a href="#">X86-64</a>
	Windows 7	X86-32
<a href="#">X86-64</a>		
XP	X86-32	
	<a href="#">X86-64</a>	
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64

**Note** (1): Please check section Language Availability for languages supported by this ADA components.

## ATEMPO DIGITAL ARCHIVE - NATIVE USER INTERFACE

ADA User Interface (Client/Server Module)		
Operating System	Version	Architecture
Mac OS X <sup>(1)</sup>	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64
Microsoft Windows <sup>(2)</sup>	Server 2003	X86-32
		X86-64
	Vista	X86-32
		X86-64
	XP	X86-32
		X86-64
	Windows 7	X86-32
		X86-64
	Server 2008	X86-32
		X86-64
Server 2008 R2	X86-64	

**Note (1):** Archiving & Retrieval of objects located on remote share through Apple File Protocol (AFP) are not supported.

**Note (2):** Please check section Language Availability for languages supported by this ADA component.

**Note (3):** This Windows GUI only supports the resolution of CIFS/SMB mount points – NFS mounts are not recognized in Agent Archiving (They are supported in Client Archiving).

## ATEMPO DIGITAL ARCHIVE - JAVA USER INTERFACE

ADA User Interface (Client/Server Module) Java Interface (Java SE 6)		
Operating System	Version	Architecture
HP-UX <sup>(2)</sup>	11i v2 & v3	Itanium
IBM AIX	5.2 & 5.3	64 Bits
Linux		X86-32
		X86-64
SUN Solaris	Solaris 9 & 10	SPARC

**Note (1):**

- The Java UI only supports the resolution of NFS mount points – CIFS/SMB mounts are not recognized.
- The Java UI implements only the Agent archiving mode – ie, archive and retrieval must be done from/to a file system managed by an ADA Agent.- Client mode is not supported.

**Note (2):** The HP-UX ADA JAVA User Interface does not support remote access to a share made through NFS.

**Note (3):** Please check section **Language Availability** for languages supported by this ADA component.

## ATEMPO DIGITAL ARCHIVE - PREVENT RECALL OPTION

When using the stubbing capability on Mac OS X and using the Mac OS X Finder to browse the file system, unwanted recalls might be triggered by the Finder's preview capability.

Prevent Recall Option		
Operating System	Version	Architecture
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64

**Note (1):** The ADA Prevent Recall option does not support NFS protocol when the stub is hosted by a NAS.

## ATEMPO DIGITAL ARCHIVE - STORAGE DEVICES & STORAGE MANAGER CONNECTORS

Dedicated Storage System Integration					
Vendor	Product	Primary Storage	Archive Target	Native Stubbing (need HSM FD)	Storage Manager Connector
Atempo	Time Navigator				X
Avid	Unity MediaNetwork <sup>(11)</sup>	X	X		
	Unity ISIS <sup>(12)</sup>	X	X		
BlueArc	Titan & Mercury	X	X	X <sup>(9)</sup>	
Cecurity.com	CFEC		X <sup>(6)</sup>		X
Data Domain	Deduplication Storage Systems		X <sup>(5)</sup>		
DELL	Object Storage Platform <sup>(10)</sup>		X		X
EMC	Celerra / VNX	X	X	X <sup>(1)</sup>	
	Centera <sup>(2)</sup>		X		X
	Atmos Cloud Storage		X		X
Exanet	ExaStore Clustered NAS	X	X		
FAST LTA	Silent Cube Storage	X	X		
HDS	HCP Object Storage & Cloud Storage		X		X
Isilon	IQ Storage Solution	X	X		
Pillar Data Systems <sup>(7)</sup>	Axiom	X	X		
Netapp <sup>(3)</sup>	FAS Series	X	X	X <sup>(4) (7)</sup>	
Nirvanix	Nirvanix Cloud Storage		X		X
Permabit	Permabit Enterprise Archive	X	X		
	Permabit Cloud Storage	X	X		

### Note (1):

- To be able to apply HSM Filter Driver on Celerra, the server needs to be accessible by the Celerra
- The gateway can be a Windows, Mac, Linux or Unix machine
- Support for VNX platforms using the Celerra file stubbing API (VNX File Mover must be enabled). Validation done on VNX 5300 platform. No support for pNFS, MPFS.

**Note (2):**

- EMC Centera is only supported when the compliance mode is not enabled.
- No MAC support for the EMC Centera (no API)

**Note (3):**

- When using the native stubbing capability on NetApp filers, please contact Atempo at [adarequest@atempo.com](mailto:adarequest@atempo.com) if the intended archive storage target is a disk-based storage device from a vendor other than NetApp.
- Validation made on ONTAP version 6.4.
- Please note a NetApp filer can only have one Fpolicy registered application – If antivirus is already using Fpolicy using Stubbing will not be possible.

**Note (4):**

- Gateway needs to be Windows (Fpolicy API limitation) - If using Windows 2003 as a Gateway, SP1 is required
- CIFS only volumes supported - CIFS/NFS volumes supported
- NFS only volumes not supported
- Client workstations using CIFS or NFS to retrieve ADA stubs on the NetApp filer are supported as long as the NetApp version supports these connection protocols.
- In order to backup the filer, NDMP backup should be launched from gateway machine (Windows only) or full files will be backed up

**Note (5):**

- Data Domain Deduplication Storage Systems are only supported as storage targets with NFS/CIFS

**Note (6):**

- Requires a P12 certificate from an authority

**Note (7):**

- If using the ADA Prevent Recall option, please refer to the Atempo Digital Archive - Prevent Recall Option section for more information on the environments supported.

**Note (8):**

- Certification made on an Axiom 500 using microcode 4.01

**Note (9):**

- To be able to apply HSM Filter Driver on BlueArc NAS, the ADA server needs to be accessible by the filer. ADA Server need to have direct access to tape drives.
- The gateway can be a Windows or a Linux using CIFS/NFS protocol. Note that if using NFS, massive recall can occur as NFS offers no solution to prevent it.

**Note (10):**

- A Windows or Linux ADA gateway (Dell API limitation) is needed to connect to the Dell DX Object Storage Platform.

**Note (11):**

- If using ADA with ATN as a secondary storage, use MAC OS only with the ATN tunable “additional\_fs\_type=AVIDFS”
- The gateway can be a Windows or a Mac OS – No Linux or Unix machine. The gateway need full access to the Unity storage (using a Unity license)

**Note (12):**

- Unity ISIS only supported using a MAC OS and Windows ADA gateway - No Linux or Unix machine. The gateway need full access to the Unity storage (using a Unity license). Please note, The gateway must be equipped with the Avid Connection manager only available on Windows and MAC OS (CIFS).

## ATEMPO DIGITAL ARCHIVE - GATEWAY PROXY CAPABILITY

Gateway Proxy Capability
<ul style="list-style-type: none"> <li>• Any File Server sharing data through CIFS is supported using a Windows Gateway.</li> <li>• NFS on UNIX is supported using a Gateway.</li> <li>• Samba on UNIX and MAC OS is now supported without using a Gateway.</li> <li>• Only client archiving is supported to archive data stored on UNIX or MAC using CIFS.</li> <li>• NAS devices require the HSM Client to be deployed on all Client systems.</li> </ul>

## ATEMPO DIGITAL ARCHIVE – FILE SYSTEMS SUPPORTED

File Systems Supported	
Operating System	File System Type
Windows <sup>(1)</sup>	NTFS
Mac OS X <sup>(2)</sup>	HFS+
Linux	Ext2
	Ext3
	Xfs
Other Unix	HP UX: Native file system
	AIX: Native file system

**Note (1):** DFS is not supported.

**Note (2):** AFP is not supported.

## ATEMPO DIGITAL ARCHIVE – SHARED OR DISTRIBUTED FILE SYSTEMS SUPPORTED

Dedicated File System Integration					
Solution	Version <sup>(3)</sup>	Primary Storage	Secondary Storage OneOne	Secondary Storage AFC <sup>(5)</sup>	Proxy I/O <sup>(1)</sup>
Apple XSAN	1.4	X	X	X	X
<b>Ardis Tech DDP</b> <sup>(8)</sup>	2	X	X	X	
Lustre <sup>(2)</sup>	1.8.1.1	X	X	X	X
Metasan / Metalan <sup>(6)</sup>	Any	X	X	X	X
<b>Omneon Mediagrid</b> <sup>(7)</sup>		X	X	X	
Quantum StorNext <sup>(4)</sup>	2.0	X	X	X	X

**Note (1):** The Proxy I/O feature is the capacity to delegate the archiving and retrieval IO made on a given platform to another ADA Agent on the network.

**Note (2):** The platform running the ADA Agent must be a Linux. Please contact Atempo at [adarequest@atempo.com](mailto:adarequest@atempo.com) if planning to use another type or version of Lustre.

**Note (3):** Validation done with the versions listed in the column.

**Note (4):** MAC OS, Windows and Linux only – Please refer to the ADA Agents table for detailed versions supported.

**Note (5):** AFC = ADA File Storage Container.

**Note (6):** Supporting Metadata controller on Windows and MAC OS and Metasan/Ian Agents on Linux, MAC OS and Windows.

**Note (7):** Supporting Mediagrid from an ADA platform running Windows, MAC OS or Linux..

**Note (8):** Supporting DDP from an ADA platform running MAC OS 10.5 and above, all ADA Agents Windows 64bits platforms and Linux RedHat version (starting from the 2.6.18\_128 kernel).

## ATEMPO DIGITAL ARCHIVE – INTEGRATION WITH ATEMPO MEDIA MANAGER

The Atempo Media Manager needs to be installed in environments where the target archiving device is tape. It is the platform that enables ADA to access tape libraries and tape devices.

Atempo Media Manager		
Operating System	Version	Architecture
Windows	Server 2003	X86-32
		X86-64
	Server 2008	X86-32
		X86-64
	Server 2008 R2	X86-64
Linux		X86-64
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
	Mac OS 10.6 (Snow Leopard)	X86-32 / X86-64 using the 32 bits compatibility of MAC OS

**Note:** Atempo Media Manager can be installed on the same machine as the ADA agent or on a different machine. It is an option of the ADA agent.

**IMPORTANT limitation:** Please note that in ADA version 3.2.2.14, the ADA Agent in charge of archiving data from the primary storage to tape using AMM cannot be an AIX platform.

### Drives supported:

Technology	Model	WORM and Encrypted drive
HP	HP LTO-3, 4 & 5	No
IBM	IBM LTO-3, 4 & 5 IBM TS1140	No
Sun StorageTek	T10K / 9840 / 9940	No

## Libraries & Drives limitations:

### Drives:

The types of drives supported are the one listed as supported by Atempo Digital Archive in the above section.

### Libraries:

Atempo Media Manager only supports libraries that offer the barcode management capability. Please refer to the following section for more details: Appendix – Libraries Supported By The Atempo Media Manager.

When barcode management is available, Atempo Media Manager supports the following library types:

- SCSI
- iSCSI
- Fiber Channel
- SAS (Linux and Windows only)

### Devices:

- Only tape libraries and tape drives in a library are supported (no standalone drive)
- Only libraries with the serialization mechanism (drive serial numbers are reported by the library) are supported.
- Only devices with serial numbers are supported
- Device names must not contain space characters
- Barcodes on cartridges are mandatory and must be reported by the library
- Cleaning of tape drives is not supported (cleaning must be managed by the library)
- Only one type of tape drive per library is supported

### Other limitations:

- One Library Manager per tape library – [\(one library only per AMM\)](#)
- Tape drives and tape libraries connected through NDMP are not supported
- All library tape drives must be configured
- Drive sharing is not supported
- Library sharing with other application is not supported

### Database

- The Atempo Media Manager Server uses a database. This must be installed and created before using Atempo Media Manager.
- The current version of Atempo Media Manager does not have an integrated function for backup and restore of the PostgreSQL database. This must be ensured using external tools or using the PostgreSQL database has pg\_dump and psql commands - Check the Atempo Digital Archive Administration Guide for more information.

### Other Media Manager supported

- Sun StorageTek ACSLS 7.3
- Sun StorageTek ACSLS 8.0
- Sun StorageTek LibAttach 1.4.2

## ATEMPO DIGITAL ARCHIVE – MXF PARTIAL RETRIEVAL

The Partial Retrieval<sup>1</sup> feature offered by Atempo Digital Archive is available for the following platforms:

ADA Component in charge of Archiving or Retrieving		
Operating System	Version	Architecture
Linux	Red Hat <sup>(1)</sup> 4 (libc 6.3)	X86-64
	Red Hat <sup>(1)</sup> 5 (libc 6.3)	X86-64
	<b>Red Hat<sup>(1)</sup> 6</b>	<b>X86-64</b>
	SUSE SLES v11	X86-64
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64
Windows	Server 2003	X86-64
	Server 2008	X86-64
	Server 2008 R2	X86-64

**Note (1):** We recognize Red Hat as a certified supplier. Our certifications do not apply to non-Red Hat software, rebranded Red Hat software, or Red Hat software if it has been changed, altered, or maintained with non-Red Hat modification.

This Partial Retrieval feature is designed to support the following wrappers and essence. However, in order to confirm that we are fully compatible with your flavor of MXF files, please send links to samples file to be tested at [adarequest@atempo.com](mailto:adarequest@atempo.com) :

- MXF wrappers: Op1a to Op3c3 (including XDCam, P2, Ikegami, K2, Omeon) - If interested in using Op3 please contact please contact Atempo at [adarequest@atempo.com](mailto:adarequest@atempo.com) for more information
- And the following essences: IMX 30, 50, 50, Mpeg2, Mpeg2HD, Mpeg4, DV, DVCPRO 25/50, DVCPROHD, AVC-I, H.264, Jpeg2K, DNxHD, uncompressed, Tiff, Dpx, Bwf, Wave, Aiff, Aes2, Aes8, VBI, D-Cinema(DCI) support, DCP creation.

Please note concerning AVID’s MXF formats:

- Partial retrieval is fully supported in an Interplay configuration equipped with an Interplay Archive Server.

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<sup>1</sup> Feature available in the Rich Media Option – An additional license is required.

The Rich Media Option delivers Partial Retrieve for MXF media files and automatic Metadata Import for media industry file formats such as MXF, DPX,...

## ATEMPO DIGITAL ARCHIVE - FULL CONTENT INDEXING SERVER

ADA Full Content Indexing		
Operating System	Version	Architecture
Linux		X86-64
Windows	Server 2003	X86-64
	Server 2008	X86-64
	Server 2008 R2	X86-64

## ATEMPO DIGITAL ARCHIVE – METADATA IMPORT

The Metadata Import<sup>2</sup> feature offered by Atempo Digital Archive is available for the following platforms:

ADA Metadata Import		
Operating System	Version	Architecture
Linux	Red Hat <sup>(1)</sup> 4 (libc 6.3)	X86-64
	Red Hat <sup>(1)</sup> 5 (libc 6.3)	X86-64
	<b>Red Hat<sup>(1)</sup> 6</b>	<b>X86-64</b>
	SUSE SLES v11	X86-64
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64
Windows	Server 2003	X86-64
	Server 2008	X86-64
	Server 2008 R2	X86-64

<sup>2</sup> Feature **available** in the Rich Media Option and the Automatic Metadata Import Option - An additional license is required for each option.

The Rich Media Option delivers Partial Retrieve for MXF media files and automatic Metadata Import for media industry file formats such as MXF, DPX,...

The Automatic Metadata Import Options delivers Automatic Metadata Import for media industry file formats (MXF, DPX,...) or graphic file formats (AVI, JPG, MPEG, JPG2000,...) depending on the option reference.

**Note (1):** We recognize Red Hat as a certified supplier. Our certifications do not apply to non-Red Hat software, rebranded Red Hat software, or Red Hat software if it has been changed, altered, or maintained with non-Red Hat modification.

And from the following graphical file formats ([file must be named with the exact file extension listed below](#)):

ARW AVI AVS BMP CALS CIN CMYK CMYKA CRW CUR CUT DCM DCR DCX DIB DJVU  
 DNG DPX EMF EPDF EPT EXR FAX FITS FPX GIF GRAY HALD HRZ SHTML ICO INFO INLINE  
 JBIG JNG JP2 JPC JPEG MAT MIFF MONO MOV MNG M2V MPEG MPC MPR MRW  
 MSL MTV MVG MXF NEF ORF OTB P7 PALM PAM PBM PCD PCDS PCL PCX PDB PEF PFA  
 PFB PFM PGM PICON PICT PIX PNG PNG8 PNG24 PNG32 PNM PPM PS PSD PTIF PWP  
 RAD RAF RGB RGBA RLA RLE SCT SFW SGI SHTML SUN SVG TGA TIFF TIM TTF TXT UIL  
 UYVY VICAR VIFF WBMP WMF WPG X XBM XCF XPM XWD X3F YCbCr YCbCrA YUV

Many type of metadata can be collected in images generated by graphics software or in digital photos, including EXIF, IPTC and XMP metadata standard.

If you want to know if a specific type of metadata can be collected, please send an email to [adarequest@atempo.com](mailto:adarequest@atempo.com) with a sample picture containing metadata and in the email body the list of metadata to look for.

## ATEMPO DIGITAL ARCHIVE - APPLICATION INTEGRATION & APIS

ADA – Application Integration	
Application	Version
Apple Final Cut Server <sup>(1)(2)</sup>	1.0, 1.1, 1.5
Building4Media Fork Production Suite	N/A
Apple Final Cut Pro	6, 7
Avid Interplay	Using Avid Archive Server (DET v2.x API)

**Note (1):** ADA for Final Cut Server supports only the archiving of Final Cut Server FileSystems Devices. Other type of devices are not supported for now.

**Note (2):** Automatic Metadata import is supported starting with Final Cut Server 1.5.

ADA API Platforms	
API Type	Platform
C API	Please refer to the list of ADA Server platforms
Web Services	Web services are operated by the ADA Server. Please refer to the list of ADA Server platforms

## ATEMPO DIGITAL ARCHIVE - LANGUAGE AVAILABILITY

ADA User Interface Language Availability	
Interface	Language
Administration Console	English, French
Native End-User Interface	English, French
End-User Interface (Java)	English, French

Character Coding Supported <sup>(1)</sup> by ADA	
ADA Component	Charset Supported
Windows User Interfaces	Native charset are supported (Language packs are not supported (2))
JAVA UI	UTF8 (All UTF8 encoding charset are supported: Asian, Cyrillic,...)
MAC OS UI	UTF8 (All charset supported by MAC OS are supported)

**Note (1):**

- Character coding applies to character displayed in the ADA interfaces, to the names of the files archived, to the content of the files to archive and the metadata associated and the search on these metadata.
- Unicode/Double bytes coding is supported on Windows when using native charset only – meaning language packs are not supported.
- Arabic languages and other languages writing from right to left are not supported.

**Note (2):** In other words, adding an Asian language pack extension to a non-Asian Windows is not supported by the ADA HSM Client.

## ATEMPO DIGITAL ARCHIVE – NETWORK

Network Integration
<ul style="list-style-type: none"> <li>- IP v6 host names are not supported</li> <li>- AFP is not supported</li> </ul>

## ATEMPO DIGITAL ARCHIVE - CO-RESIDENCE WITH OTHER ATEMPO PRODUCTS

It is generally safe to install components from other Atempo products on the same host as Atempo Digital Archive, provided the host has sufficient processor, memory, storage, and network resources to support the combined load and the product versions are at least as current as the following:

Product	Version
Atempo Time Navigator	4.2 SP7 (and 4.2 evolutions)
Atempo Live Backup	3.31
Atempo Digital Archive for Messaging	2.3 SP1 (and above)

**Note:** Running multiple product components on the same host is not recommended in production environments. Like any business-critical application, Atempo products will perform best when run on dedicated hosts. Furthermore, troubleshooting issues with co-resident applications can be extremely complex, which may result in reduced service level. This section refers only to co-residence and not to interoperability with other Atempo products.

## ATEMPO DIGITAL ARCHIVE - CO-RESIDENCE WITH THIRD-PARTY PRODUCTS

Please carefully check the compatibility if running the Atempo Digital Archive modules listed below in the following environments:

Environment or solution	Atempo Digital Archive Module
Quota system on a file server	ADA HSM Filter Driver <sup>(1)</sup>
Replication solution	ADA HSM Filter Driver <sup>(2)</sup>
Antivirus	ADA HSM Filter Driver <sup>(3)</sup>

**Note (1):** The ADA HSM Filter Driver creates stubs presenting the size of the archived file although their real size is a few KB in conformity with Microsoft's specifications. Some quota systems can miscalculate free space and deny access during retrieval.

**Note (2):** Some replication solutions may cause the recall of the documents archived while opening the stubs created by the ADA HSM Filter Driver when replicating a file system. However, most solutions are able to detect that stubs are offline files, and they do not retrieve them.

**Note (3):** The stubs created by the ADA HSM Filter Driver may be retrieved by the antivirus software while browsing the stubs, thus causing massive retrieval. However, most Antivirus are able to detect that stubs are offline files, and they do not retrieve them.

The following solutions are fully compatible with Atempo Digital Archive or one of its modules:

Product	Is compatible with
DoubleTake replication solution	ADA HSM Filter Driver <sup>(1)</sup>
IBM Tivoli Storage Manager	ADA HSM Filer Driver <sup>(2)</sup>
NTP Software QFS version	ADA HSM Filer Driver <sup>(3)</sup>
Microsoft Windows 2008 R2 with the Quota option (FSRM)	ADA HSM Filer Driver <sup>(4)</sup>

**Note (1):** Validated with DOUBLE-TAKE version 5.1.1.867.0 generated on Jan, 7 2009 - A specific Registry setting is required – please contact Atempo support. Please note that the validation was done for standard Stubs, Dual State stubs are not supported.

**Note (2):** Validated with TSM 5.5.1 - A specific TSM Flag is required – please contact Atempo support.

**Note (3):** Validated with NTP Software Quota & File Sentinel version 5.2.2.24.

**Note (4):** Working fine from an HSM archiving point of view with the W2K8 quota manager: the system register the free space created at file archiving and stub creation, and register the space is reduced at stub recall. We noticed a strange behavior of the quota manager that do permit to overflow the quota limit sometime when retrieving a file from a stub. In other word, we were able to overrun our quota during our tests by a few MB.

The following equipments are fully compatible with Atempo Digital Archive or one of its modules:

Product	Compatible with
Active Storage	Activeraid serie
Copan Systems	Copan Native MAID serie
Promise Technology	Vtrack product serie

The following solutions are not compatible with Atempo Digital Archive or any of its modules:

Product	Not compatible with
Microsoft Windows 2003 R2 with the Quota option (FSRM)	ADA HSM Filer Driver
ArchiveConnect, ExtremZip and DFSCConnect	ADA HSM Filer Driver
Windows DFS (Distributed File System)	ADA HSM Filer Driver
OpenLDAP	ADA

## APPENDIX – LIBRARIES SUPPORTED BY THE ATEMPO MEDIA MANAGER

The following lists the libraries supported by the Atempo Media Manager. Check section Atempo Digital Archive – Integration with Atempo Media Manager for the drives and connection supported by Atempo Digital Archive.

### QUANTUM:

- Adic Scalar i500
- Adic Scalar i2000
- Adic Scalar 24
- Adic Scalar 10k
- Adic Scalar 100
- Adic Scalar 1000
- Quantum Scalar 50
- Quantum PX500 Series
- Quantum Scalar i40 / i80
- Quantum Scalar i500
- Quantum Scalar i2000, **i6000**
- Quantum SuperLoader3
- Quantum PX720
- Quantum DX 30/100/3000/5000
- Quantum DXi 3500/5500
- ATL M1500 , M4 DATA MagFile , M4 DATA MagStack 2-4 , M4 DATA MagStack 5-10

### DELL:

- Dell ML6000
- Dell 160T
- Dell TL2000/TL4000

### ORACLE/SUN/STORAGETEK

- STK SL500
- STK L700 , Sun StorEdge L700
- STK L180 , Sun L180
- STK L20
- STK L40
- STK L80
- SUN STK SL3000
- SUN STK SL3000
- Sun StorageTek C4
- Sun StorageTek SL24/SL48
- Sun StorEdge L400

### OVERLAND:

- NEO Series 2000/4000/8000 Arcvault Series

### HP:

- HP StorageWorks 1x8 G2
- HP MSL 2024/4048/**6000**/8096
- HP 1/8 Thinstor

### IBM:

- IBM TS3100/TS3200
- IBM TS2900
- **IBM TS3500**

### SPECTRA LOGIC:

- Spectra Logic T24
- Spectra Logic T Series (T950,T120),
- Spectra Logic T50,
- Spectra Logic T-Series Mid-Range T200/T380/T680

### NEC:

- NEC LL009F
- NEC T40A
- NEC T16A

### FUJITSU-SIEMENS:

- Fujitsu-Siemens FiberCAT TX24
- **Fujitsu-Siemens FiberCAT TX48**

### QUALSTAR:

- Qualstar XLS
- Qualstar TLS Series
- Qualstar RLS Series

### TANDBERG/EXABYTE:

- Tandberg T-40+ <sup>(1)</sup>
- Exabyte Magnum 448 , Tandberg StorageLibrary T48

- Exabyte Magnum 224 , Tandberg StorageLibrary T24
- Exabyte Magnum 1x7 2U
- Exabyte VXA 1x10 1U , Tandberg StorageLibrary VXA
- Exabyte VXA 1x10 1U , Tandberg StorageLibrary VXA
- Exabyte AutoPak
- Exabyte Magnum20
- Exabyte 480/X80/X200
- Exabyte 480/X80/X200
- EXB-210
- EXB-440
- Exabyte 480/X80/X200
- EXB-220
- EXB-430
- Exabyte 215
- Exabyte 110
- Exabyte 110
- Exabyte 221
- Exabyte 221

**SONY:**

- PetaSite series using FC SCSI connection (PSC API not yet supported)

**Note (1):** No automatic detection of the library. A manual procedure is required. Please contact Atempo Professional Services for more information.