HP Integrated Archive Platform

Support Matrix
Release 2.1

Support matrix release history

Date	Change description
2/9/2011	Updated Microsoft Office tables
3/1/2010	Updated for IAP 2.1
4/18/2008	Updated for IAP 2.0
9/17/2007	Updated for Release 1.5.0.4 (Document indexing support for Microsoft Office 2007)
7/31/2007	Updated for Release 1.6
7/26/2006	Updated to reflect Release 1.5

This support matrix provides the following information:

- IAP release history
- IAP hardware/software platform
- IAP/EAs applications
- IAP platform: Infrastructure services
  - Dynamic Account Synchronization (DAS)
  - Web browser support
  - IAP backup options
  - Miscellaneous notes
    - Network
    - Localization and supported character sets
    - IAP indexing support
    - Additional indexing detail/limitations for Microsoft Office
    - Saved query limitations

IAP release history

Release	Date	Major features
2.1	March 2010	• Scalability and performance improvements, including the introduction of G6 based-server line, as well as base and performance database server options • Upgraded all drives to Serial Attached SCSI (SAS) hard disks • Redundant power supplies now standard for all servers • Support for Exchange SMTP Journaling for Exchange 2007 and 2010 • An improved backup solution now utilizing HP Data Protector • Enhanced system management and monitoring through the use of System Insight Manager and related SNMP traps, integrated Lights Out (iLO) and Lights Out 100 (LO100) utilization, and enhanced logging • Universal Smartcell size increased to 5 TB • Bulk file export improvements • Upgraded to industry-wide standard and supported Linux 64-bit OS
2.0	July 2008	• New name (IAP) formally changed in product • Universal Smartcell size increased to 2.1 TB • Folder capture support for Email Archiving software for Exchange 2.0 • Retention Manager flexibility • All storage capacities in PCC shown in Base10 • Background Duplicate Manager • Support for new DL320G5 servers • TSM upgrade to version 5.5 (backup option) • Support for EAsE Outlook Integrated Archive Search
1.5.0.4	September 2007	Document indexing support for Microsoft Office 2007 introduced in IAP 1.5.0.4 software patch. (See IAP indexing support for details.) Users moving to IAP 1.6 need upcoming IAP 1.6.1 patch for similar support.
1.6	July 2007	• New Universal Smartcell –1.4 TB (useable). Can be used where 850 GB and 1.4 TB Smartcells are required. • RAID-6 (ADG) protection per Smartcell. • New DL320 and DL320s platform to ease supportability and spare availability. Management servers all have redundant disks. • Low-cost Base system provides a platform which can be scaled multi-dimensionally. • Increase in performance over previous generation hardware – new dual-core Intel processors. • Localization framework. Initially supports the following translations: Spanish, German, French, Portuguese, Chinese (Mainland), Chinese (Taiwan), Japanese, Korean • Internationalization framework: Supports multi-byte character sets. (See below for a full list.)

Release	Date	Major features
1.5	July 2006	• Smartcell capacity upgrade to 1.4 TB (useable) • RAID-5 protection per Smartcell • Enhanced PCC UI (meets HP GUIDO specifications) • Upgrade to 10/100/1000 ProCurve switch • Enhanced SNMP management • PAM replaced with AM (Account Manager) and integrated into the PCC (Platform Control Center)
1.4	March 2006	• Object-delete API • Refresh of IAP server components • OWA (tombstone/stubbing support)
1.2	June 2005	• Repository-based retention • Quarantine repository • Record reprocessing • Audit Log for IAP Web UI
1.1	February 2005	• Smartcell capacity upgrade to 850 GB (useable) • Indexing support for Asian language (double-byte) character sets
1.0	May 2004	Product launch

IAP hardware/software platform

Table 1 IAP hardware/software

Hardware version	IAP software version supported	Hardware SKU	General description Smartcell/ Base (#SC)
2.1	1.6.1, 2.0, 2.1	A7970F	5.0 TB/5.0 TB (1x) Base rack supports up to 15.0 TB (3x) Smartcells
2.0	1.4, 1.5.0.3+, 1.6.1, 2.0, 2.1	A7970E	2.1 TB/2.1 TB (1x) Base rack supports up to 6.3 TB (3x) Smartcells
1.6	1.4, 1.5.0.3+, 1.6.1, 2.0, 2.1	A7970D	1.4 TB/1.4 TB (1x) Base rack supports up to 4.2 TB (3x) Smartcells
1.5	1.4, 1.5.0.3+, 1.6.1, 2.0, 2.1	A7970C	1.4 TB/2.8 TB (2x)
1.4	1.4, 1.5.0.3+, 1.6.1, 2.0	A7970B	850 GB/1.7 TB (2x)
1.2	1.4, 1.5.0.3+, 1.6.1, 2.0	A7970A	850 GB/1.7 TB (2x)
1.1	1.4, 1.5.0.3+, 1.6.1, 2.0	A5659A/A7524A	400 GB/1.2 TB (3x)
1.0	1.4, 1.5.0.3+, 1.6.1, 2.0	A5659A/A7524A	400 GB/1.2 TB (3x)

> **NOTE:**
> End-of-support life has been announced for software versions 1.4, 1.5, and 1.6 and hardware versions 1.0, 1.1, 1.2, and 1.4 as of November 30, 2010.

> **NOTE:**
> The 2.1 hardware requires the G6 hotfix to run on earlier software versions. Also, the 2.1 standard Database server is not supported on earlier software versions, but the Database Performance model is supported on earlier versions (with the required G6 hotfix).

IAP/EAs applications

See appropriate Email Archiving software support matrices for additional EAs details such as client compatibility and Exchange and Domino server compatibility.

Table 2 IAP Software compatibility with HP IAP connector products

IAP software version	EAs Exchange	EAs Domino	FMA
2.1	2.2	See Note 1	See Note 2
2.0	2.0, 2.1	See Note 1	FMA 2.1 or higher 1.47 GB file size limitation See Note 2
1.6	1.5.0200 – 1.5.xxxx	See Note 1	FMA 2.0.3 or higher 1.47 GB file size limitation See Note 2
1.5	1.5.0200 – 1.5.xxxx	1.5	FMA 2.0.3 or higher 1.47 GB file size limitation See Note 2.
1.4	1.5.0200 – 1.5.xxxx	1.4	FMA 2.0.3 or higher 1.47 GB file size limitation See Note 2

Note 1 See the HP EAs Domino support matrix and release notes for details on EAs Domino support.
Note 2 See the FMA compatibility matrix for more details on supported FMA configurations.

IAP platform: Infrastructure services

Dynamic Account Synchronization (DAS)

IAP Dynamic Account Synchronization (DAS) creates user repositories in IAP dynamically by synchronizing with the Lightweight Directory Access Protocol (LDAP).

- Synchronization of user accounts (and their associated email aliases) is supported in Microsoft Exchange and Lotus Domino environments.
- Groups are not supported for either Microsoft Active Directory or the Domino environment.
- Simple (clear text) LDAP authentication is supported for Microsoft Active Directory running on Windows 2000, 2003, and 2008 servers.
- Simple (clear text) LDAP authentication is supported for Domino Directory running on the HP Domino Archive Gateway.
- Simple over SSL (secure) authentication is supported for Microsoft Active Directory running on Windows 2000, 2003, and 2008 servers.

Domino support

See the HP EAs Domino support matrix and release notes for more details on EAs Domino support.

Web browser support

The following table shows tested browser support for the IAP Web Interface and the Platform Control Center.

For OWA (Outlook Web Access) Extension support, see the HP EAs Exchange support matrix.

Table 3 Browser support

Browser/Version	Supported client OS	Browser requirements	Display requirement
Microsoft Internet Explorer (IE) 7.0	Microsoft Windows XP Professional - SP 2	Cipher strength 128–bit **Internet option:** JavaScript v 1.0 or v 1.1 enabled	Minimum requirement: 1024 x 768 @ 16 bit color
Microsoft Internet Explorer (IE) 7.0	Microsoft Windows XP Professional - SP 3	Cipher strength 128–bit **Internet option:** JavaScript v 1.0 or v 1.1 enabled	Minimum requirement: 1024 x 768 @ 16 bit color
Microsoft Internet Explorer (IE) 8.0	Microsoft Windows XP Professional - SP 2	Cipher strength 128–bit **Internet option:** JavaScript v 1.0 or v 1.1 enabled	Minimum requirement: 1024 x 768 @ 16 bit color
Mozilla Firefox 3.58	Microsoft Windows XP Professional - SP 2	Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.1.8) Gecko/20100202 Firefox/3.5.8 (.NET CLR 2.0.50727) **Internet option:** JavaScript v 1.0 or v 1.1 enabled	Minimum requirement: 1024 x 768 @ 16 bit color

IAP backup option

Overview

IAP 2.1 supports the backup option: A7979F HP IAP Backup Option Hardware

This option includes one Backup server with SCSI Card. This option does NOT include tape library, tape drives, SCSI cables, Host Bus Adapter, or media (supplied separately).

One of the following host bus adapters must be purchased in conjunction with A7979F:

Host bus adapter	Product number
HP StorageWorks Dual Channel 4GB PCI-e Fibre Channel Host Bus Adapter	AE312A
HP StorageWorks PCI-e Ultra320 SCSI Host Bus Adapter	AH627A
HP Single Channel Ultra320 PCI-E SC11Xe Host Bus Adapter	412911-B21

This backup option now supports HP Data Protector version 6.11 as the backup application. (Tivoli Storage Manager is no longer supported or included as in prior IAP releases.)

For details on the devices supported by Data Protector, please refer to the following support matrix: http://bizsupport1.austin.hp.com/bc/docs/support/SupportManual/c01631143/c01631143.pdf. This document can also be found at: http://www.hp.com/go/dataprotector by selecting the **Support Matrices** link, the **HP Data Protector 6.1x software** link, and the document **HP Data Protector A.06.1x Device Support Matrix**.

Examples: Sizing tape library

The library must be sized according to the amount of data that the archive is expected to ingest during the life of the library.

- Customer has library for 3 years. During those 3 years, it ingests 6 TB of data. Customer needs to purchase a library with 6 TB capacity.

  Ingested data volume = 6 TB; customer must have library capacity for 6 TB (in-library)

  If using LTO3 technology, customer needs 6 TB (6,000 GB/400 GB) = Library with 15 Slots (for data backup + 2 slots for application backup) = 17 slots minimum

- Ingested data volume = 12 TB; customer must have enough library capacity for 12 TB (in-library)

  If using LTO3 technology, customer needs 12 TB (12,000 GB/400 GB) = Library with 30 Slots (for data backup + 2 slots for application backup) = 32 slots minimum

Table 4 Tape technology sizes

Uncompressed	
LTO2	200 GB
LTO3	400 GB
LTO4	800 GB

Note on backup methodology: A full backup is taken when backups are first initialized (typically, at install time). After that, incremental backups are then run indefinitely. (All tapes must remain in the library at all times.)

Miscellaneous notes

Network

Internally, the IAP uses subnet 10.0.0.0/16 (10.0.0.0 through 10.0.255.255), which causes a conflict when connected to a customer network using the same subnet. An external NAT device is required for the IAP to function properly in these environments. This NAT device is not supplied with the IAP.

Localization and supported character sets

The table below lists the languages in which the IAP components and documentation are localized.

Table 5 Localization

Component/document	Languages
IAP Web Interface	English, French, German, Spanish, Portuguese (Portugal and Brazil), Japanese, Korean, Simplified Chinese, Traditional Chinese
IAP PCC administration user interface	English
IAP User Guide and IAP Web Interface online help	English, French, German, Spanish, Portuguese (Portugal and Brazil), Japanese
IAP Administrator Guide	English, Japanese
IAP Installation Guide	English

The table below lists the character sets that are supported for messages archived by the IAP.

Table 6 IAP character set support

Supported character set	Description
ISO-8859-1	Western European, extended ASCII
ISO-8859-15	Western European, variant of ISO-8859-1
WINDOWS-1252	Western European (Windows variant of ISO-8859-1)
US-ASCII	7-bit American Standard Code for Information Interchange
UTF-8	Unicode/Universal Character Set (all modern languages)
ISO-8859-2	Eastern European
KOI8-R	Cyrillic (Russian and Bulgarian)
ISO-8859-5	Cyrillic (Bulgarian, Belarusian, Russian)
WINDOWS-1251	Cyrillic
WINDOWS-1254	Turkish (Windows variant of ISO-8859-9)
ISO-8859–9	Turkish

Supported character set	Description
GB18030	Chinese (Mainland)
BIG5	Chinese (Taiwan)
GB2312	Chinese (Mainland)
GBK	Chinese, simplified extension of GB2312 (Mainland)
ISO-2022-KR	Korean
EUC-KR	Korean
KS_C-5601-1987	Korean
ISO-2022-JP	Japanese
EUC-JP	Japanese
SHIFT-JIS	Japanese

IAP indexing support

The IAP provides full-content indexing for a specific range of document types (MIME types), which are listed in the table below. It can index documents and email attachments. An email message can be simple and comprise a single part, or it can contain multiple parts. Each of these parts can be plain text or some richer file format. The sender's email client is expected to correctly provide the MIME content type for each such part as it is created/attached. File-based agents such as FMA also provide similar identification.

The IAP expects that the provided MIME content type is correct, and selects the appropriate file format extractor based on the content type. Note that while parts can also have names, and the names can have extensions, the extensions are ignored for the purposes of selecting an appropriate extractor for the file format.

An email message that is entirely plain text, not MIME, is also indexed.

Table 7 IAP indexed file types

File extension	File type	MIME type
.xml	XML document	text/xml
.txt	Plain text file; treated as ISO-8859-1 unless otherwise specified	text/plain
.htm, .html, .stm	HTML document	text/html, rtf/html
.rtf	Rich text format	rtf/text, application/rtf
.mht, .mhtml, .nws, .eml	Email message	message/RFC 822
.doc, .dot	Microsoft Word 97-2003 document	application/msword

File extension	File type	MIME type
.xla, .xlc, .xlm, .xls, .xlt, .xlw	Microsoft Excel 97-2003 document	application/vnd.ms-excel, application/ms-excel
.pot, .pps, .ppt	Microsoft PowerPoint 97-2003 document	application/vnd.ms-powerpoint, application/vnd.msppt
.pdf	Adobe Portable Document format	application/pdf
.zip	ZIP archive	application/zip
.docx	Microsoft Word 2007 document	application/vnd.openxmlformats-officedocument. wordprocessingml.document
.docm	Microsoft Word 2007 macro-enabled document	application/vnd.ms-word.document.macroEnabled.12
.dotx	Microsoft Word 2007 template	application/vnd.openxmlformats-officedocument. wordprocessingml.template
.dotm	Microsoft Word 2007 macro-enabled document template	application/vnd.ms-word.template.macroEnabled.12
.xlsx	Microsoft Excel 2007 workbook	application/vnd.openxmlformats-officedocument. spreadsheetml.sheet
.xlsm	Microsoft Excel 2007 macro-enabled workbook	application/vnd.ms-excel.sheet.macroEnabled.12
.xltx	Microsoft Excel 2007 template	application/vnd.openxmlformats-officedocument. spreadsheetml.template
.xltm	Microsoft Excel 2007 macro-enabled workbook template	application/vnd.ms-excel.template.macroEnabled.12
.xlam	Microsoft Excel 2007 add-in	application/vnd.ms-excel.addin.macroEnabled.12
.pptx	Microsoft PowerPoint 2007 presentation	application/vnd.openxmlformats-officedocument. presentationml.presentation
.pptm	Microsoft PowerPoint 2007 macro-enabled presentation	application/vnd.ms-powerpoint.presentation. macroEnabled.12
.ppsx	Microsoft PowerPoint 2007 slide show	application/vnd.openxmlformats-officedocument. presentationml.slideshow
.ppsm	Microsoft PowerPoint 2007 macro-enabled slide show	application/vnd.ms-powerpoint.slideshow. macroEnabled.12
.potx	Microsoft PowerPoint 2007 template	application/vnd.openxmlformats-officedocument. presentationml.template
.potm	Microsoft PowerPoint 2007 macro-enabled presentation template	application/vnd.ms-powerpoint.template. macroEnabled.12
.tnef	Microsoft Exchange Specific	ms/tnef

File extension	File type	MIME type
.wpd	WordPerfect	application/wordperfect
.qpw	Quattro Pro for Windows	application/x-quattro-pro
.shw	Novell/Corel Presentations	application/presentations

NOTE:

IAP does not currently support indexing of embedded TNEF attachments such as a TNEF embedded within another TNEF, an attached mime multipart email, or a zip archive.

Additional indexing detail/limitations for Microsoft Office

The tables below list the Microsoft Office features and document properties that are indexed (and not indexed) by IAP 2.1. Indexed features and properties can be used in Web Interface searches.

The tables cover Microsoft Office versions 97–2003 and 2007.

Table 8 Microsoft Office supported features

Feature	Microsoft Word	Microsoft PowerPoint	Microsoft Excel
Contents	Yes	Yes	Yes
Table	Yes	Yes	Yes
Textbox	Yes	Yes	Yes
Header/Footer	Yes	Yes	Yes
Comment	Yes	PowerPoint 97-2003: Yes PowerPoint 2007: No	Exel 97-2003: Yes Excel 2007: No
FootNote/EndNote	Yes	N/A	N/A
Signature	Yes	No	Exel 97-2003: Yes Excel 2007: No
Chart	Yes	Yes	Yes
Object (Microsoft Office, WordPad …)	Yes	Yes	Yes
Embedded Objects (OLE)	Yes	Yes	Yes
Notes	N/A	Yes	N/A
WordArt	Yes	PowerPoint 97-2003: No PowerPoint 2007: Yes	Yes

Feature	Microsoft Word	Microsoft PowerPoint	Microsoft Excel
SmartArt	Word 97-2003: No Word 2007: Yes	PowerPoint 97-2003: No PowerPoint 2007: Yes	Excel 97-2003: No Excel 2007: Yes
Sheet's name	N/A	N/A	Excel 97-2003: Yes Excel 2007: No

Table 9 Microsoft Office supported properties

Type	Property	Microsoft Word	Microsoft PowerPoint	Microsoft Excel
Document Properties	Author	Yes	Yes	Yes
	Title	Yes	Yes	Yes
	Subject	Yes	Yes	Yes
	Keywords	Yes	Yes	Yes
	Category	Yes	Yes	Yes
	Status	Yes	Yes	Yes
	Comments	Yes	Yes	Yes
	Location	No	No	No
Advanced Properties: General	Type	No	No	No
	Location	No	No	No
	Size	No	No	No
	MS-DOS name	No	No	No
	Created	No	No	No
	Modified	No	No	No
	Accessed	No	No	No
	Attributes	No	No	No
Advanced Properties: Statistics	Created	No	No	No
	Modified	No	No	No
	Accessed	No	No	No
	Printed	Yes	Yes	Yes
	Last saved by	Yes	Yes	Yes

Type	Property	Microsoft Word	Microsoft PowerPoint	Microsoft Excel
	Revision number	Word 97-2003: No Word 2007: Yes	PowerPoint 97-2003: No PowerPoint 2007: Yes	Excel 97-2003: No Excelt 2007: Yes
	Statistics	No	No	No
Advanced Properties: Custom	Checked by	Yes	Yes	Yes
	Client	Yes	Yes	Yes
	Date completed	Yes	Yes	Yes
	Department	Yes	Yes	Yes
	Destination	Yes	Yes	Yes
	Disposition	Yes	Yes	Yes
	Division	Yes	Yes	Yes
	Document number	Yes	Yes	Yes
	Editor	Yes	Yes	Yes
	Forward to	Yes	Yes	Yes
	Group	Yes	Yes	Yes
	Language	Yes	Yes	Yes
	Mailstop	Yes	Yes	Yes
	Office	Yes	Yes	Yes
	Owner	Yes	Yes	Yes
	Project	Yes	Yes	Yes
	Publisher	Yes	Yes	Yes
	Purpose	Yes	Yes	Yes
	Received from	Yes	Yes	Yes
	Recorded by	Yes	Yes	Yes
	Recorded date	Yes	Yes	Yes
	Reference	Yes	Yes	Yes

Type	Property	Microsoft Word	Microsoft PowerPoint	Microsoft Excel
	Source	Yes	Yes	Yes
	Status	Yes	Yes	Yes
	Telephone number	Yes	Yes	Yes
	Typist	Yes	Yes	Yes
Advanced Properties: Contents	Document Contents	No	No	No
Advanced Properties: Summary	Title	Yes	Yes	Yes
	Subject	Yes	Yes	Yes
	Author	Yes	Yes	Yes
	Manager	Yes	No	Yes
	Company	Yes	No	Yes
	Category	Yes	Yes	Yes
	Keywords	Yes	Yes	Yes
	Comments	Yes	Yes	Yes
	Hyperlink base	Word 2007: Yes Word 97–2003: No	PowerPoint 97-2003: No PowerPoint 2007: Yes	Excel 97–2003: No Excel 2007: Yes
	Template	Word 2007: Yes Word 97–2003: No	No	No

Saved query limitations

The IAP can save query results for subsequent reload, legal hold, and/or export. In IAP 2.0, the maximum number of result entries that can be saved at any one time, for all queries for all users, was approximately 5 million. If this limit is reached, some queries must be deleted before new query results can be saved.