

IBM FileNet Image Services  
IBM FileNet Image Services Resource Adapter  
IBM FileNet Print

*Hardware and Software Requirements  
Guide*



**Note**

Before using this information and the product it supports, read the information in "Notices" on page 51.

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## Introduction

This document details the hardware and software requirements for all supported versions of the following products:

- IBM® FileNet® Image Services
- IBM FileNet Image Services Resource Adapter
- IBM FileNet Image Services Toolkit
- IBM FileNet Near Line Storage and Single Document Storage Tool
- IBM FileNet Image Manager Utilities (HP11 & MR11)
- Image Services Connector for IBM Content Navigator
- IBM FileNet Print

Use this guide to determine which independent software vendor and other FileNet IBM products are compatible with your versions of these products.

**IMPORTANT** While IBM provides support for independent software vendor releases, versions, service packs and patches, IBM has no control over the content and cannot guarantee compatibility with IBM FileNet products. In addition, IBM can only support these independent software vendor products in accordance with the vendor's own product dependencies and support statements.

## Associated documentation

Refer to the following requirements and compatibility documents for related information about other IBM FileNet products:

- *IBM FileNet P8 Hardware and Software Requirements*
- *IBM FileNet Capture Hardware and Software Requirements*
- *IBM FileNet IDM Desktop, Web Services and Open Client, IBM FileNet Content Services, IBM FileNet eForms and IBM FileNet eProcess Hardware and Software Requirements*
- IBM Content Navigator

## Access IBM FileNet documentation

To access IBM FileNet documentation:

1. Go to the Product Documentation for FileNet Image Services support page.  
<http://www-01.ibm.com/software/data/content-management/filenet-image-services/support.html>
2. Select a PDF or a Doc Link, whichever is appropriate.

## Contact customer support

For information about contacting customer support:

1. Navigate to the FileNet Product Family support page (<http://www.ibm.com/software/data/content-management/filenet-product-family/support.html>).
2. Select the product of interest.
3. Search for a particular support topic under “Enter search terms” or use the other navigational aids on the page.

## Feedback

Your feedback helps us to provide quality information. Send your comments about this publication or any other IBM FileNet documentation by e-mail to [comments@us.ibm.com](mailto:comments@us.ibm.com). Be sure to include the name of the product, the version number of the product, and the name and part number of the book (if applicable). If you are commenting on specific text, include the location of the text (for example, a chapter and section title, a table number, a page number, or a help topic title).

## Legend

Due to space limitations, the tables in this document use the following abbreviations, even if they are not official abbreviations.

Product name	Abbreviation
Content Federation Services – Image Services	CFS-IS
Content Management Interoperability Services	CMIS
Content and Process Engine	CPE
Document Archive Retrieval Transport	DART
End of Support	EOS
High Performance Image Import	HPII
IBM Content Navigator	ICN
Image Manager	IM
Images Services	IS
Image Services Remote Admin Console	RAC
Image Services Resource Adapter	ISRA
Image Services Toolkit	ISTK
Magnetic Storage and Retrieval	MSAR
Medium Range Image Import	MRII
Near Line Storage	NLS
Optical Storage and Retrieval	OSAR
Process Engine	PE
Single Document Storage	SDS

# Image Services

## Operating system requirements

### UNIX

	IS 4.1 (4.1.0)		IS 4.1.SP1 (4.1.1)		IS 4.1.2		IS 4.2.0	
	IS	ISTK	IS	ISTK	IS	ISTK	IS	ISTK
<b>IBM AIX®</b>								
<b>IBM AIX 5.1</b> Minimum version: ML9 RISC/6000, 32/64-bit		✓		✓				
<b>IBM AIX 5.2</b> Minimum version: TL8 IBM POWER®-based processors, 64-bit RISC/6000, 32/64-bit	✓	✓	✓	✓				
<b>IBM AIX 5.3</b> Minimum version: TL4 IBM POWER-based processors, 64-bit RISC/6000, 32/64-bit	✓	✓	✓	✓	✓ Minimum 5.3 TL7	✓ Minimum 5.3 TL7	✓ Minimum 5.3 TL11	✓ Minimum 5.3 TL11
<b>IBM AIX 6.1</b> Minimum version: Base IBM POWER – based processors, 64-bit			✓	✓	✓	✓	✓ Minimum 6.1 TL5	✓ Minimum 6.1 TL5
<b>IBM AIX 7.1</b> Minimum version: Base IBM POWER – based processors, 64-bit					✓	✓	✓	✓
<b>IBM AIX 7.2</b> Minimum version: Base IBM POWER – based processors, 64-bit					✓	✓	✓	✓
<b>HP-UX</b>								
<b>HP-UX 11i v1 (11.11) Support Plus</b> Minimum version: Dec 2006 Bundle PA-RISC, 32/64-bit	✓	✓	✓	✓				
<b>HP-UX 11i v2 (11.23) Standard Patch</b> Minimum version: Sep 2006 Bundle PA-RISC, 32/64-bit	✓	✓	✓	✓	✓ Minimum	✓ Minimum		

IBM FileNet IS, ISRA, and Print Hardware and Software Requirements  
**Image Services — Operating system requirements**

	IS 4.1 (4.1.0)		IS 4.1.SP1 (4.1.1)		IS 4.1.2		IS 4.2.0	
	IS	ISTK	IS	ISTK	IS	ISTK	IS	ISTK
					Dec 2007	Dec 2007		
<b>HP-UX 11i v2 (11.23) Standard Patch</b> Minimum version: Sep 2006 <b>Itanium®, 32/64-bit</b>	✓	✓	✓	✓	✓ Minimum Dec 2007	✓ Minimum Dec 2007	✓ Minimum Jun 2010	✓ Minimum Jun 2010
<b>HP-UX 11i v3 (11.31) Standard Patch</b> Minimum version: Base PA-RISC 32/64-bit	✓	✓	✓	✓	✓ Minimum Sep 2007	✓ Minimum Sep 2007		
<b>HP-UX 11i v3 (11.31) Standard Patch</b> Minimum version: Base Itanium, 32/64-bit	✓	✓	✓	✓	✓ Minimum Sep 2007	✓ Minimum Sep 2007	✓ Minimum Mar 2010	✓ Minimum Mar 2010
<b>Sun Solaris</b>								
<b>Sun Solaris 9</b> Minimum version: 9/05 Patch Bundle SPARC, 32/64 bit	✓	✓	✓	✓	✓	✓	✓	✓
<b>Sun Solaris 10</b> Minimum version: 11/06 Patch Bundle SPARC, 32/64 bit	✓	✓	✓	✓	✓ Minimum 08/07	✓ Minimum 08/ 07	✓ Minimum 05/09	✓ Minimum 05/09
<b>Sun Solaris 11</b> Minimum version: 11.1 SPARC, 64 bit  * For optical library support and Integral SDS support the minimum Image Services release level is: IS 4.2.0 FP8							✓ Minimum 4.2.0 FP8	✓ Minimum 4.2.0 FP8

## Windows

	IS 4.1 (4.1.0)			IS 4.1.SP1 (4.1.1)			IS 4.1.2			IS 4.2.0		
	IS	ISTK	RAC	IS	ISTK	RAC	IS	ISTK	RAC	IS	ISTK	RAC
<b>Microsoft® Windows® XP</b> Minimum version: SP2 Editions: Professional		✓	✓		✓	✓		✓	✓		✓	✓
<b>Microsoft Windows Vista</b> Minimum version: Base/RTM X86-32 bit, x86-64 bit Edition: Business, Professional		✓	✓		✓	✓		✓	✓		✓	✓
<b>Microsoft Windows 7</b> Minimum version: Base/RTM X86-32 bit, X86-64 bit <b>Edition: Professional, Ultimate</b>								✓ Minimum IS 4.1.2-006	✓ Minimum IS 4.1.2-006		✓	✓
<b>Microsoft Windows 8</b> Minimum version: Base/RTM X86-32 bit, X86-64 bit <b>Edition: Pro, Enterprise</b>											✓	✓
<b>Microsoft Windows 10</b> Minimum version: Base/RTM X86-32 bit, X86-64 bit <b>Edition: Pro, Enterprise</b>											✓	✓
<b>Microsoft Windows Server 2000</b> Minimum version: SP4 Includes SP4 Rollup package v2 Editions: Standard, Enterprise, Datacenter		✓ Minimum SP4 rollup v2	✓ Minimum SP4 rollup v2		✓ Minimum SP4 rollup v2	✓ Minimum SP4 rollup v2		✓ Minimum SP4 rollup v2	✓ Minimum SP4 rollup v2			
<b>Microsoft Windows Server 2003</b> Minimum version: SP1 x86-32-bit, x86-64-bit Editions: Standard, Enterprise, Datacenter	✓	✓	✓	✓	✓	✓	✓ Minimum SP2	✓ Minimum SP2	✓ Minimum SP2			



	IS 4.1 (4.1.0)			IS 4.1.SP1 (4.1.1)			IS 4.1.2			IS 4.2.0		
	IS	ISTK	RAC	IS	ISTK	RAC	IS	ISTK	RAC	IS	ISTK	RAC
<b>Microsoft Windows Server 2003 R2</b> Minimum version: Base x86-32-bit, x86-64-bit Editions: Standard, Enterprise, Datacenter	✓	✓	✓	✓	✓	✓	✓ Minimum R2 SP2	✓ Minimum R2 SP2	✓ Minimum R2 SP2	✓ Minimum R2 SP2	✓ Minimum R2 SP2	✓ Minimum R2 SP2
<b>Microsoft Windows Server 2008</b> Minimum version: Base /RTM x86-32-bit, x86-64-bit Editions: Standard, Enterprise, Datacenter							✓	✓	✓	✓	✓	✓
<b>Microsoft Windows Server 2008 R2</b> Minimum version: Base /RTM x86-64-bit Editions: Standard, Enterprise, Datacenter							✓ Minimum IS 4.1.2-006	✓ Minimum IS 4.1.2-006	✓ Minimum IS 4.1.2-006	✓	✓	✓
<b>Microsoft Windows Server 2012</b> Minimum version: Base /RTM X86 32-bit x86-64-bit <b>Editions: Foundation, Essentials, Standard, Datacenter</b>							✓	✓	✓	✓	✓	✓
<b>Microsoft Windows Server 2012 R2</b> Minimum version: Base /RTM X86 32-bit x86-64-bit <b>Editions: Foundation, Essentials, Standard, Datacenter</b>							✓	✓	✓	✓	✓	✓

	IS 4.1 (4.1.0)			IS 4.1.SP1 (4.1.1)			IS 4.1.2			IS 4.2.0		
	IS	ISTK	RAC	IS	ISTK	RAC	IS	ISTK	RAC	IS	ISTK	RAC
<b>Microsoft Windows Server 2016</b> Minimum version: Base /RTM x86-64-bit <b>Editions: Standard, Datacenter, Essentials</b>							✓ Minimum IS 4.1.2 FP025	✓ Minimum ISTK 4.1.2 FP025	✓ 4.1.2	✓ Minimum IS 4.2.0 FP013 + IF Technote <a href="https://www.ibm.com/support/ort/docview.wss?uid=swg22002513">https://www.ibm.com/support/ort/docview.wss?uid=swg22002513</a>	✓ Minimum ISTK 4.2.0 FP013	✓ 4.2.0

**Operating system notes**

- Only the minimum support levels are listed above; later levels are supported unless explicitly indicated that they are not supported.
- IS & ISTK 4.1.0 are not supported for Interim Fixes or instrumented modules for troubleshooting purposes.
- As of July 2010, Windows 2000 entered EOS. Going forward, Image Services fix packs (starting with 4.1.1 FP11, 4.1.2 FP8 and 4.2 ) will no longer be tested with Windows 2000. Image Services support will continue to accept PMRs for Windows 2000 based configurations, however if a problem is suspected to be Windows dependent, you may be required to recreate the problem on a supported version of Windows.
- As of April 2014, Windows XP entered EOS. Going forward, Image Services fix packs (starting with 4.1.1 FP16, 4.1.2 FP19 and 4.2 FP10) will no longer be tested with Windows XP. Image Services support will continue to accept PMRs for Windows XP based configurations, however if a problem is suspected to be Windows dependent, you may be required to recreate the problem on a supported version of Windows.
- As of July 2015, Windows 2003 entered EOS. Going forward, Image Services fix packs (starting with 4.1.1 FP17, 4.1.2 FP22 and 4.2 FP11) will no longer be tested with Windows 2003. Image Services support will continue to accept PMRs for Windows 2003 based configurations, however if a problem is suspected to be Windows dependent, you may be required to recreate the problem on a supported version of Windows.
- As of April 2005, AIX 5.1 entered EOS. Going forward, Image Services fix packs (starting with 4.1.1 FP15, 4.1.2 FP15 and 4.2 FP4) will no longer be tested with AIX 5.1, 5.2. Image Services support will continue to accept PMRs for AIX 5.3 based configurations, however, if a problem is suspected to be AIX dependent, you may be required to recreate the problem on a supported version of AIX
- As of August 2007 AIX 5.2 entered EOS. Going forward, Image Services fix packs (starting with 4.1.1 FP15, 4.1.2 FP15

and 4.2 FP4) will no longer be tested with AIX 5.1, 5.2. Image Services support will continue to accept PMRs for AIX 5.3 based configurations, however, if a problem is suspected to be AIX dependent, you may be required to recreate the problem on a supported version of AIX

- As of April 2012, AIX 5.3 entered EOS. Going forward, Image Services fix packs (starting with 4.1.1 FP15, 4.1.2 FP15 and 4.2 FP4) will no longer be tested with AIX 5.3. Image Services support will continue to accept PMRs for AIX 5.3 based configurations, however if a problem is suspected to be AIX dependent, you may be required to recreate the problem on a supported version of AIX.
- Configurations with UNIX platforms and Windows application servers are supported. Multiple servers in a configuration must be the same platform and have the same release of Image Services on the servers. The exception is that Windows servers can be configured as application servers.
- Image Services is a 32-bit application that is 64-bit tolerant.
- Sun Solaris Zone support: Only Sparse zones are supported on Sun Solaris 10 starting with the IS/ISTK 4.1.2 release. Optical libraries are not supported with Sun sparse zones.
- As of Solaris 11, Oracle changed the Solaris 11 UCB package to be optional. If the UCB package is not installed, the installation of Image Services 4.2.0 and Image Services Toolkit fails.
- On UNIX®-based operating systems the native volume managers are supported. However, the Solaris platform supports the native volume manager and Veritas volume manager.
- Image Services 4.2.0 does NOT support the HP-UX PA-RISC platform.
- Optical libraries are not supported on a 64-bit Windows server.

## Databases

	IS 4.1 (4.1.0)	IS 4.1. SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
<b>IBM DB2®</b>				
<b>IBM DB2 Database v8.2</b> Minimum version: FP5 Editions: Workgroup and Enterprise DB2 client: Version 8 Editions: Admin and Runtime client	✓  Minimum server 8.2 FP5  AIX and Solaris platforms only	✓  Minimum server 8.2 FP5	✓  Minimum server 8.2.9  V9.1/9.5 client is supported	
<b>IBM DB2 Database v9.1</b> Minimum version: FP1 Editions: Workgroup and Enterprise DB2 client: Version 8, 9.1, 9.5 Editions: Client and Runtime client	✓	✓	✓  Minimum server v9.1.4a	✓  Minimum server v9.1.4a  Minimum client 9.1
<b>IBM DB2 Database v9.5</b> Minimum version: FP1 Editions: Workgroup and Enterprise DB2 client: Version 8, 9.1, and 9.5 Editions: Data Server client and Runtime client		✓	✓	✓  Minimum client 9.1
<b>IBM DB2 Database v9.7</b> Minimum version: Base Editions: Workgroup and Enterprise DB2 client: Version 8.2 ,9.1, 9.5 and 9.7 Editions: Data Server client and Runtime client		✓	✓	✓  Minimum client 9.1
<b>IBM DB2 Database v10.1</b> Minimum version: Base Editions: Workgroup and Enterprise DB2 client: Version 9.5, 9.7,10.1 Editions: Data Server client and Runtime client			✓	✓
<b>IBM DB2 pureScale v9.8 Feature for Enterprise Server Edition</b> Minimum version: Base Editions: Enterprise DB2 client: Version 9.1, 9.5 and 9.7 Editions: Data Server client and Runtime client			✓  Minimum IS 4.1.2-009	✓

	IS 4.1 (4.1.0)	IS 4.1. SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
<b>IBM DB2 Database v11.1</b> Minimum version: Base Editions: Workgroup and Enterprise DB2 client: Version 9.7,10.1,11.1 Editions: Data Server client and Runtime client			✓ See note 1 Minimum IS 4.1.2 FP025 + IF Technote <a href="https://www.ibm.com/support/docview.wss?uid=swg22006521">https://www.ibm.com/support/docview.wss?uid=swg22006521</a>	✓ See note 1 Minimum IS 4.2.0 FP013 + IF Technote <a href="https://www.ibm.com/support/docview.wss?uid=swg22006521">https://www.ibm.com/support/docview.wss?uid=swg22006521</a>
<b>Oracle</b>				
<b>Oracle 9i, 9.2.0.x</b> Minimum version: 9.2.0.8 Terminal release : Oracle 9.2.0.8 Editions: Enterprise, Standard	✓	✓		
<b>Oracle 10g, 10.2.0.x</b> Minimum version : 10.2.0.2 Editions: Enterprise, Standard, RAC (IS 4.1.SP1)	✓	✓ Minimum support for Oracle RAC: IS 4.1.SP1 FP2	✓ Minimum is Oracle 10.2.0.3	✓ Minimum is Oracle 10.2.0.3
<b>Oracle 11g R1 (11.1.0.6)</b> Minimum version : Base Editions: Standard, Standard Edition One, Enterprise edition, RAC			✓	✓
<b>Oracle 11g R2 (11.2.0.1)</b> Minimum version : Base Editions: Standard, Standard Edition One, Enterprise edition, RAC			✓ Minimum IS 4.1.2 FP-008 Not supported on HP PA-RISC	✓ Not supported on HP PA-RISC
<b>Oracle 12c (12.1.0.2)</b> Minimum version : Base Editions: Standard, Standard Edition One, Enterprise edition, RAC			✓ Minimum IS 4.1.2 FP-023 Not supported on HP PA-RISC	✓ Minimum IS 4.2.0 FP-009 Not supported on HP PA-RISC

	IS 4.1 (4.1.0)	IS 4.1. SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
<b>Oracle 12c (12.2.0)</b> Minimum version : Base Editions: Standard, Standard Edition One, Enterprise edition, RAC			✓  Minimum IS 4.1.2 FP-025 Not supported on HP PA-RISC Technote <a href="https://www.ibm.com/support/docview.wss?uid=swg22016482">https://www.ibm.com/support/docview.wss?uid=swg22016482</a>	✓  Minimum IS 4.2.0 FP-014 Not supported on HP PA-RISC Technote <a href="https://www.ibm.com/support/docview.wss?uid=swg22016482">https://www.ibm.com/support/docview.wss?uid=swg22016482</a>
<b>Microsoft SQL Server</b>				
<b>Microsoft SQL Server 2005</b> Minimum version: SP2 Editions: Enterprise and Standard		✓	✓	✓
<b>Microsoft SQL Server 2008</b> Minimum version: Base Editions: Enterprise and Standard			✓  Minimum IS 4.1.2 FP-002	✓
<b>Microsoft SQL Server 2008 R2</b> Minimum version: Base Editions: Enterprise and Standard			✓  Minimum IS 4.1.2 FP-008	✓
<b>Microsoft SQL Server 2012</b> Minimum version: Base Editions: Enterprise and Standard			✓  Minimum IS 4.1.2 FP-015	✓  Minimum IS 4.2.0 FP-004
<b>Microsoft SQL Server 2012 R2</b> Minimum version: Base Editions: Enterprise and Standard			✓  Minimum IS 4.1.2 FP-015	✓  Minimum IS 4.2.0 FP-004
<b>Microsoft SQL Server 2014</b> Minimum version: Base Editions: Enterprise and Standard			✓  Minimum IS 4.1.2 FP-015	✓  Minimum IS 4.2.0 FP-004
<b>Microsoft SQL Server 2016</b> Minimum version: Microsoft SQL Server 2016 SP1 Editions: Enterprise and Standard			✓  Minimum IS 4.1.2 FP025 + IF	✓  Minimum IS 4.2.0 FP013 + IF

	IS 4.1 (4.1.0)	IS 4.1. SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
			Technote <a href="https://www.ibm.com/support/docview.wss?uid=swg22002595">https://www.ibm.com/support/docview.wss?uid=swg22002595</a>	Technote <a href="https://www.ibm.com/support/docview.wss?uid=swg22002595">https://www.ibm.com/support/docview.wss?uid=swg22002595</a>

### Database Notes

- A remote database server may be installed on any platform supported by Image Services regardless of your server configuration
  - Oracle may also be installed on a remote RedHat Linux® 4.x, 5.x, and 6.0 servers
- Image Services will support an Oracle database that is configured with Oracle Advanced Security including TDE, SSL, as well as Oracle Data Masking. Please be aware that:
  - A performance penalty is inevitable for such configuration due to encryption and decryption processes
  - Image Services does not support SSL for connections other than between Oracle client and server. Only implement SSL between Oracle database server and database client.
  - Oracle Advanced Security will require that Image Services application issues reported be reproduced in an environment that is configured without Oracle Advanced Security. Customers will need to work directly with Oracle for any database configuration issues.
- Image Services supports DB2 on remote servers only.
- DB2 9.5, 9.7 and 10.1 clients are not supported on HP-UX PA-RISC.
- Oracle Instant client 32-bit is supported with Image Services starting with release 4.1.2 for HP Integrity on Oracle 11g. However the Instant client and Oracle Database server must reside on the same server. Image Services does not support Oracle Instant Client alone, and it does not replace the Oracle Client on a remote Oracle database configuration. The Oracle 11g 32-bit client can be downloaded from Oracle: <http://www.oracle.com/technology/tech/oci/instantclient/index.html>
- The use of Oracle partitioning technology to achieve improvement in manageability, performance and/or availability of RDBMS elements that relate to Image Services cannot be guaranteed. Further, the use of Oracle partitioning requires knowledge of Oracle partitioning technology and the Image Services database schema. Database tools that are not supported are: GDB\_exim, INXdbgen and spacerpt.
 

IBM performs only cursory testing of Image Services with Oracle partitioning and therefore IBM support does not have the expertise required to provide assistance with installation, configuration or maintenance of Oracle partitioning. Any customer choosing to implement Oracle partitioning must have the proper skills to perform all Oracle partitioning related tasks without assistance from IBM support. If in the course of troubleshooting a reported Image Services issue IBM determines that it is related to the use of Oracle partitioning technology, IBM may require that the issue be reproduced in a configuration with a non-partitioned table.
- Oracle Runtime (FileNet owned) database previously sold with IBM FileNet Image Services is no longer supported as of 12/31/11. The official announcement can be viewed here:

[http://www.ibm.com/common/ssi/rep\\_ca/2/897/ENUS911-002/ENUS911-002.PDF](http://www.ibm.com/common/ssi/rep_ca/2/897/ENUS911-002/ENUS911-002.PDF)

DB2 8.2 entered EOS as of April 2009, and DB2 9.1 entered EOS as of April 2012. Going forward, Image Services fix packs (starting with 4.1.1 FP16, 4.1.2 FP18 and 4.2 FP7) will no longer be tested with DB2 8.2 or DB2 9.1. Image Services support will continue to accept PMRs for DB2 8.2/9.1 based configurations. However, if the issue is narrowed down to an unsupported DB2 platform for which there is no available fix, you may be required to upgrade to a supported DB2 platform.

- <sup>1</sup> DB2 11.1 clients are not supported on Solaris, HP-UX Itanium, and HP-UX PA-RISC. Refer to DB2 website to determine the server-client compatibility matrix on supported platforms.

## Image Services Storage

### Optical Drive and Libraries (OSAR)

Optical drive and libraries are deprecated in Image Services. New hardware and software (such as, OS versions and drivers) related to optical drives and libraries are no longer qualified with Image Services. However, IBM continues to offer limited support (commonly known as usage and known defect support) for these devices. The OSAR Cable Tool contains the hardware, optical drives, and libraries supported by Image Services.

[https://www.ibm.com/support/knowledgecenter/SLLVC\\_5.0.0/com.ibm.esupport.tool.osar.doc/docs/readme.html](https://www.ibm.com/support/knowledgecenter/SLLVC_5.0.0/com.ibm.esupport.tool.osar.doc/docs/readme.html)

It is recommended existing customers with OSAR libraries migrate to MSAR or SDS.

For instructions on migration, refer to the MSAR Procedures and Guidelines and the Integral SDS Procedures and Guidelines for FileNet Image Services documents.

- <http://publibfi.dhe.ibm.com/epubs/pdf/c1933120.pdf>
- <http://publibfi.dhe.ibm.com/epubs/pdf/c1933100.pdf>

For known issues with Optical drives and OSAR libraries, refer to the following Image Services Release Notes:

- IBM FileNet Image Services 4.1.2 Release Notes: <http://www-01.ibm.com/support/docview.wss?uid=swg27010558&aid=2>
- IBM FileNet Image Services 4.2.0 Release Notes: <http://www-01.ibm.com/support/docview.wss?uid=swg27010558&aid=4>

### Magnetic Storage Libraries (MSAR)

#### Support Statement

Magnetic Storage and Retrieval (MSAR) requires a file system to store its surface files and meets the criteria below.

- MSAR supports all file systems that are currently supported by Image Services



- Synchronous writes
- Disabling write caching
- Supporting large files (currently up to 32GB)
- Supporting setting permissions as required by the processes of Image Services.
- UNIX remote file systems must be **NFS Release 3 or higher**
- Windows remote file systems must be **CIFS compliant**
- FileNet Image Services supports EMC Isilon as a storage device for MSAR surfaces according to the guidelines in the following Tech Note.

<http://www.ibm.com/support/docview.wss?uid=swg21700329>

IBM FileNet provides the **sync\_write\_test** utility to determine if the above criteria are met. Usage of the tool is described in the MSAR documentation.

Single Document Storage (SDS) Devices

Image Services Client Interface	IS 4.1 (4.1.0)	IS 4.1.SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
EMC Centera SDK v3.1.1 <sup>1,2</sup>	✓ Not supported on HP Integrity	✓ Not supported on HP Integrity	✓ Not supported on HP Integrity	
EMC Centera SDK v3.2.0			✓ Not supported on HP Integrity or Windows 2008	
EMC Centera SDK v3.2.3			✓ Not supported on Windows 2008	
EMC Centera SDK v3.2.4			✓ Minimum IS 4.1.2-006	
EMC Centera SDK v3.2.5			✓ Minimum IS 4.1.2-008	✓

Image Services Client Interface	IS 4.1 (4.1.0)	IS 4.1.SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
Dell EMC Centera SDK v3.2.705 <sup>3</sup>			✓ Minimum IS 4.1.2-024 with Interim Fix IF544789	✓ Minimum IS 4.2.0-013 with interim Fix IF544789
EMC Centera SDK v3.3.0 (Windows 2008 R2 only) * Please see the conditional support statement for Centera SDK 3.3 in the Notes below.			✓ Minimum IS 4.1.2-016	✓ Minimum IS 4.2.0-005
TSM v5.5 with IBM Tivoli System Storage <sup>TM</sup>			✓ Not supported on HP Integrity	✓ Not supported on HP Integrity
TSM v6.1 with IBM Tivoli System Storage <sup>TM</sup> & IBM Information Archive Appliance			✓ Not supported on HP PA-RISC or HP Integrity 32bit applications	✓ Not supported on HP PA-RISC or HP Integrity 32bit applications
TSM v6.2 with IBM Tivoli System Storage <sup>TM</sup> & IBM Information Archive Appliance			✓ Not supported on HP PA-RISC or HP Integrity 32bit applications	✓ Not supported on HP PA-RISC or HP Integrity 32bit applications
TSM v6.3 with IBM Tivoli System Storage <sup>TM</sup> IBM Information Archive Appliance			✓ Not supported on HP PA-RISC or HP Integrity 32bit applications	✓ Not supported on HP PA-RISC or HP Integrity 32bit applications
TSM v6.4 with IBM Tivoli System Storage <sup>TM</sup> IBM Information Archive Appliance			✓ Not supported on HP PA-RISC or HP Integrity 32bit applications	✓ Not supported on HP PA-RISC or HP Integrity 32bit applications
Data ONTAP version 7.2.3 for Snaplock NetApps		✓	✓	✓
Data ONTAP version 8.x for Snaplock NetApps		✓	✓	✓

Image Services Client Interface	IS 4.1 (4.1.0)	IS 4.1.SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
Data ONTAP version 9.x for Snaplock NetApps			✓ Minimum IS 4.1.2-FP25	✓ Minimum IS 4.2.0-FP14
Hitachi HCAP/HCP enabled Storage (2.6 and later) – CIFS/NFS V2 and V3		✓	✓	✓
Hitachi HCP enabled Storage (7.3.x and later, VM and Physical system) – CIFS/NFS V2 and V3			✓ Minimum IS 4.1.2-FP25 Technote <a href="http://www-01.ibm.com/support/docview.wss?uid=swg22014118">http://www-01.ibm.com/support/docview.wss?uid=swg22014118</a>	✓ Minimum IS 4.2.0-FP14 Technote <a href="http://www-01.ibm.com/support/docview.wss?uid=swg22014118">http://www-01.ibm.com/support/docview.wss?uid=swg22014118</a>
Sun Storage Tek w/NAS Compliance Archiving Software – CIFS/NFS V2 and V3		✓	✓	✓

**Notes**

Centera has a client/server architecture. The client interface is called the Centera SDK and it ships and installs with Image Services. The Centera server component is called CentraStar, which resides on the Centera device itself and is the responsibility of the customer.

- <sup>1</sup> According to EMC, all current versions of CentraStar are backward compatible with all versions of the Centera SDK, provided that the Centera device is configured to be compatible with the environment that the Centera SDK supports.

Also, specific versions of the SDK are backward compatible with CentraStar from a specific release up. Refer to the Centera documentation for SDK/Centra Star compatibility.

<http://www.emc.com/collateral/hardware/white-papers/h5735-centera-centrastar-isv-wp.pdf>

Support is limited to the functional scope of Image Services integration with Centera, as described in the Image Services documentation. New features appearing in a release of CentraStar are not automatically supported.

- <sup>2</sup> Event Based Retention (EBR) is supported starting with Image Services 4.1.1. The CentraStar version must be 3.1.1 or higher and an EMC Advanced Retention Management (ARM) license must be purchased from EMC for EBR support.

- The Centera 3.2.x SDKs prior to 3.2.4 are not supported on Windows 2008.
- The Centera 3.2.4 SDK is supported on Windows 2008 with Image Services 4.1.2- 006.

The Centera 3.3 SDK for Window 2008 R2 has some support restrictions. For details, see technote 1633676, Image Services: Windows 2008 R2: SDS workers abort after applying the latest Fix Pack on the IBM support site.

- <sup>3</sup> Dell EMC is phasing out Centera storage devices and replacing them with the new generation Elastic Cloud Storage (ECS) devices. ECS supports the Centera API which is used by Image Services Integral Single Document Storage (ISDS). This announcement allows Image Services customers to use the new Dell EMC technology ECS. The ECS 2.2.1, ECS 3.0, and ECS 3.1 EMC devices have been fully qualified with Image Services 4.1.2 and 4.2.0 on all supported platforms. It is possible to migrate from Dell EMC Centera devices to Dell EMC ECS. From an Image Services Integral SDS customer perspective, the ECS device will operate exactly as the Centera hardware device.
  - ECS 2.2.1, ECS 3.0, and ECS 3.1 support chronological retention which includes the ability to set and extend retention.
  - ECS 2.2.1 does not support Event Based Retention (EBR) and ligation hold, whereas ECS 3.0 and ECS 3.1 support these two Advanced Retention Management (ARM) features.
  - According to Dell EMC, all current versions of ECS are backward compatible with all versions of the Centera SDK. ECS 3.2 or higher is compatible with Image Services.

### **Storage Area Network & Network Attached Storage support policy for Image Services:**

In the **Windows environment** Image Services binaries, Cache, MSAR, MKF and Index databases are all supported on SAN and NAS devices. In the **UNIX environment** support depends on the Image Services component. MSAR and binaries are supported on both NAS and SAN devices. The Cache and MKF database are supported only on a **raw device**, which is only possible with a SAN device. The index database is supported on SAN and NAS devices only for a Site-controlled implementation.

In **both the Windows and UNIX environments** it is an absolute requirement to turn off caching for the devices mounted for the Image Services Cache, MKF and index databases, and MSAR, and make sure that the sync\_write\_test program runs successfully as described in the documentation. This is to ensure that data integrity will not be compromised should cached data fail to write to disk. Note that FileNet does not certify individual vendor offerings.

### **TSM and SSAM support policy for Image Services:**

Image Services 4.1.2 and 4.2.0 have been qualified with System Storage Archive Manager (SSAM) using the versions of the TSM Archive API indicated in the "Single Document Storage (SDS) Devices" support table. It is the customer's responsibility to make sure that the SSAM server version is supported with any of the TSM API versions that have been qualified with Image Services. Also, note that although the "Integral Single Document Storage and Retrieval Guidelines" only provide instructions for an SSAM server embedded in the DR550 appliance, similar steps apply to an SSAM server deployed in other environments.

## Image Manager Near Line Storage and Utilities

	IS 4.1 (4.1.0)		IS 4.1SP1 (4.1.1)		IS 4.1.2		IS 4.2.0	
	IS	ISTK	IS	ISTK	IS	ISTK	IS	ISTK
<b>HPII 3.3.8</b>	✓	✓	✓	✓	✓	✓	✓	✓
<b>MRII 3.3.8</b>	✓	✓	✓	✓	✓	✓	✓	✓
<b>NLS 2.0</b>	✓	✓	✓	✓	✓	✓		
<b>SDS Tool 1.0</b>	✓	✓	✓	✓	✓	✓	✓ See notes 4,6,7	✓ See notes 4,6,7

### NOTES

1. Where it is backward compatible, a new Centera SDK may be installed over the IBM-installed version on the NLS or Image Services server
2. Tivoli® TSM 5.3 SDK is the only version supported with the IM Utility products.
3. For the list of supported storage devices with the Image Manager Near Line Storage Utilities products, refer to the Single Document (SDS) device matrix in this document.
4. NLS 2.0 and SDS Tool 1.0 are not supported on the HP Integrity platform.
5. NLS 2.0 is not supported with Image Services 4.2.0, however NLS documents written previously can be retrieved. This product has been superseded by Integral SDS.
6. SDS Tool 1.0 is supported with Image Services 4.2.0 for modifying retention on documents previously written by NLS.
7. The IM utility software packages that are supported with IS 4.2.0 were released with ISTK 4.1.x and not ISTK 4.2.0. Customers should install IM utility software packages for ISTK 4.1.x.

## Directory servers

	IS 4.1 (4.1.0)		IS 4.SP1 (4.1.1)		IS 4.1.2		IS 4.2.0	
	IS	ISTK	IS	ISTK	IS	ISTK	IS	ISTK
<b>Novell eDirectory 8.7.3</b> Minimum version: Base	✓	✓	✓	✓	✓	✓	✓	✓

<b>Novell eDirectory 8.8</b> Minimum version:					✓	✓	✓	✓
<b>Sun Java™ Directory Server 5.1</b> Minimum version: Base	✓	✓	✓	✓	✓	✓	✓	✓
<b>Sun Java Directory Server 6.2</b> Minimum version:					✓	✓	✓	✓
<b>Microsoft Windows Server 2003 Active Directory</b> Minimum version: Base	✓	✓	✓	✓	✓	✓	✓	✓
<b>Microsoft Windows Server 2008 Active Directory</b> Minimum version: Base					✓	✓	✓	✓
<b>Microsoft Windows Server 2008 R2 Active Directory</b> Minimum version: Base					✓ Minimum IS 4.1.2-006	✓ Minimum IS 4.1.2-006	✓	✓

### Content Federation Services and Image Services (CFS-IS) product compatibility

	IS 4.1 (4.1.0)	IS 4.1.SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
<b>Content Engine 3.5.2</b>	✓	✓	✓	
<b>Content Engine 4.0.1</b>	✓	✓	✓	
<b>Content Engine 4.5.0</b>		✓	✓ Minimum IS 4.1.2 FP-001	
<b>Content Engine 4.5.1</b>		✓ Minimum release IS 4.1.1 FP-006	✓ Minimum release IS 4.1.2 FP-002	
<b>Content Engine 5.0.0</b>			✓	✓
<b>Content Engine 5.1.0</b>			✓	✓ Minimum release

	IS 4.1 (4.1.0)	IS 4.1.SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
				IS 4.2.0 FP-001 for bidirectional support
<b>Content &amp; Process Engine (CPE) 5.2.0</b>			✓	✓ Minimum release IS 4.2.0 FP-001 for bidirectional support
<b>Content &amp; Process Engine (CPE) 5.2.1</b>			✓	✓ Minimum release IS 4.2.0 FP-001 for bidirectional support

**NOTE:**

- For CFS-IS unidirectional support, CE 5.x supports the use of Image Services 4.1.2 and 4.2.0
- For CFS-IS bi-directional support, CE 5.1 and XT 1.1.5 support the use of Image Services 4.2 FP1
- For CFS-IS bi-directional support, CE 5.2 and XT 1.1.5 support the use of Image Services 4.2 FP1

**Product compatibility**

	IS 4.1 (4.1.0)	IS 4.1.SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
<b>IDM 4.0.2</b>		✓ <sub>1</sub>	✓ <sub>1</sub>	✓ <sub>1</sub>
<b>IDM 4.0.3</b>			✓ <sub>1</sub>	✓ <sub>1</sub>
<b>Capture 5.2.0</b>		✓ <sub>2</sub>	✓ <sub>2</sub>	✓ <sub>2</sub>
<b>Capture 5.2.1</b>		✓ <sub>2</sub>	✓ <sub>2</sub>	✓ <sub>2</sub>
<b>ISRA 3.4</b>	✓	✓	✓	✓ <sub>3</sub>
<b>ISTK 4.1.0</b>	✓	✓	✓	

ISTK 4.1.1	✓	✓	✓	
ISTK 4.1.2		✓	✓	✓ <sub>6</sub>
ISTK 4.2.0				✓ <sub>4,6</sub>
Print 4.4	✓	✓ Minimum release Print-4.4.0-017	✓ Minimum release Print-4.4.0-018	✓
RAC 4.1.0	✓	✓		
RAC 4.1.1	✓	✓	✓	
RAC 4.1.2		✓	✓	✓
RAC 4.2.0				✓

**NOTE:**

1. The IDM Hardware Software Guide provides specific IDM desktop release support details and should be referred to for further compatibility requirements using the following link:

<https://www.ibm.com/support/docview.wss?uid=swg27009996>

2. The Capture Hardware Software Guide provides specific Capture release support details and should be referred to for further compatibility requirements using the following link:

<https://www.ibm.com/support/docview.wss?uid=swg27010327>

3. ISRA 3.4 does not support the FIPS and Long Password security enhancements in IS 4.2.0.

4. Image Services Toolkit (ISTK) 4.2.0 **is not supported** with Image Services (IS) 4.1.x. Prior ISTK releases supported the matching IS release plus one back however, ISTK 4.2.0 requires the matching version of IS 4.2.0.

**Reason:** A Courier enhancement in IS and ISTK 4.2.0 to support IPV6 causes warning messages to be logged on IS 4.1.x servers because IS 4.1.x does not contain this IPV6 courier enhancement. The frequency of this warning message could cause excessive entries in the IS elog. For example, the warning message on IS 4.1.x could occur on the display of every document. This means that if you displayed 60,000 documents a day, you could have 120,000 information messages in your elog.

5. ISTK has to be installed prior to installing RAC and the versions must be at the same release level.



6. To be FIPS-compliant, all servers and clients in a FileNet Image Services environment must be running Version 4.2 FP8 (or higher) of the FileNet Image Services or FileNet Image Services Toolkit software. Because it is often impractical to install or upgrade all servers and clients at once, you can set the FIPS mode of a server or client to FIPS\_PREFERRED. In this way, the server or client can communicate with another server or client that is not FIPS-compliant, but will communicate in FIPS mode with another server or client that is set to FIPS\_PREFERRED or FIPS\_ONLY mode.

## Image Services Resource Adapter

### Application servers and release support

	ISRA 3.4
<b>WebLogic Application Server 10</b> Minimum version: 10.0.x	✓
<b>WebLogic Application Server 10.3</b> Minimum version: 10.3	✓
<b>WebLogic Application Server 11G</b> Minimum version: 11g	✓ Supported from Fix pack 6 onwards
<b>WebLogic Application Server 12c</b> Minimum version: 12c	✓ Supported from Fix pack 7 onwards
<b>WebSphere Application Server 8.0</b> <b>Minimum version 8.0.x</b>	✓ Supported from Fix pack 6 onwards *
<b>WebSphere Application Server 8.5</b> Minimum version 8.5.x	✓ Supported from Fix pack 6 onwards *
<b>WebSphere Application Server 8.5.5</b> Minimum version 8.5.5.x	✓ Supported from Fix pack 7 Interim Fix 3 *
<b>WebSphere Application Server 9.0</b> Minimum version 9.0	✓ Supported from Fix pack 8 Interim Fix 4 onwards *
<b>JBoss Application Server 5.0 (AS)</b> Open Source Edition	✓
<b>JBoss Application Server 5.0 EAP (5.1 AS)</b>	✓
<b>JBoss Application Server 6.1 (AS)</b>	✓ Supported from Fix pack 6 onwards
<b>JBoss Application Server 6.x EAP</b>	✓ Supported from Fix pack 7 onwards

	ISRA 3.4
<b>JBoss Application Server 7.x EAP</b>	✓ Supported from Fix pack 8 onwards

**NOTE** Please read the technote <http://www-01.ibm.com/support/docview.wss?uid=swg21590429> to change cookie to enable applets running WebSphere Application Server v8.

## Operating systems and WebLogic application servers

The latest minimum base versions of operating systems for WebLogic, refer the WebLogic support site.

	WebLogic 10.0	WebLogic 10.3	WebLogic 11g	WebLogic 12c
<b>ISRA Version</b>	3.4.0	3.4.0	3.4.0 fix pack 6 onwards	3.4.0 fix pack 7 onwards
<b>IBM AIX 7</b> Minimum version: Base IBM POWER- based processors, 64-bit RISC/6000, 64-bit	✓	✓	✓	✓
<b>Microsoft Windows Server 2008</b> Minimum Version: Base/RTM Editions: Enterprise	✓	✓	✓	
<b>Microsoft Windows Server 2008 R2</b> Minimum Version: Base/RTM 64-bit Editions: Enterprise	✓	✓	✓	✓
<b>Microsoft Windows Server 2012</b> Minimum Version: Base/RTM Editions: Enterprise	✓	✓	✓	✓ ISRA 3.4.0 FP8 onwards
<b>Red Hat Enterprise Linux 5</b> Minimum version: Base X86, 32/64 bit Edition: AS	✓	✓	✓	
<b>Red Hat Enterprise Linux 6</b> Minimum version: Base X86, 32/64 bit Edition: AS	✓	✓	✓	✓
<b>Red Hat Enterprise Linux 7</b> Minimum version: Base X86, 32/64 bit Edition: AS				✓ ISRA 3.4.0 FP8 onwards
<b>Novell SUSE Linux Enterprise Server 9</b> Minimum version: Base x86 32/64 bit Edition: SLES	✓	✓	✓	

	WebLogic 10.0	WebLogic 10.3	WebLogic 11g	WebLogic 12c
<b>ISRA Version</b>	3.4.0	3.4.0	3.4.0 fix pack 6 onwards	3.4.0 fix pack 7 onwards
<b>Novell SUSE Linux Enterprise Server 10</b> Minimum version: Base x86 32/64 bit Edition: SLES	✓	✓	✓	
<b>Novell SUSE Linux Enterprise Server 11</b> Minimum version: Base x86 32/64 bit Edition: SLES	✓	✓	✓	
<b>HP-UX 11i v3 (11.31)</b> Minimum version: Base PA-RISC and Itanium	✓	✓	✓	
<b>Sun Solaris 10</b> Minimum version: Base SPARC, 32/64 bit	✓	✓	✓	

## Operating systems and WebSphere application servers

The latest minimum base versions of operating systems for WebSphere, refer the WebSphere support site.

	WebSphere 8.0	WebSphere 8.5	WebSphere 8.5.5	WebSphere 9.0
<b>ISRA Version</b>	<b>3.4.0 fix pack 6 onwards</b>	<b>3.4.0 fix pack 6 onwards</b>	<b>3.4.0 fix pack 7 Interim fix 3</b>	<b>3.4.0 fix pack 8 Interim fix 4</b>
<b>IBM AIX 7</b> Minimum version: Base IBM POWER – based processors, 64-bit	✓	✓	✓	
<b>IBM AIX 7.2</b> Minimum version: Base IBM POWER – based processors, 64-bit				✓
<b>Microsoft Windows Server 2008</b> Minimum Version: Base/RTM Editions: Enterprise	✓	✓	✓	
<b>Microsoft Windows Server 2008 R2</b> Minimum Version: Base/RTM 64-bit Editions: Enterprise	✓	✓	✓	
<b>Microsoft Windows Server 2012</b> Minimum Version: Base 64-bit Editions: Standard			✓ 3.4.0 fix pack 8	✓
<b>Red Hat Enterprise Linux 5</b> Minimum version: Base X86, 32/64 bit Edition: AS	✓	✓	✓	
<b>Red Hat Enterprise Linux 6</b> Minimum version: Base X86, 32/64 bit Edition: AS	✓	✓	✓	
<b>Red Hat Enterprise Linux 7</b> Minimum version: Base X86, 32/64 bit Edition: AS				✓ ISRA 3.4.0 FP8 onwards

	WebSphere 8.0	WebSphere 8.5	WebSphere 8.5.5	WebSphere 9.0
ISRA Version	3.4.0 fix pack 6 onwards	3.4.0 fix pack 6 onwards	3.4.0 fix pack 7 Interim fix 3	3.4.0 fix pack 8 Interim fix 4
<b>Novell SUSE Linux Enterprise Server 10</b> Minimum version: Base x86 32/64 bit Edition: SLES	✓	✓	✓	
<b>Novell SUSE Linux Enterprise Server 11</b> Minimum version: Base x86 32/64 bit Edition: SLES	✓	✓	✓	
<b>HP-UX 11i v3 (11.31)</b> Minimum version: Base PA-RISC and Itanium	✓	✓	✓	
<b>Sun Solaris 10</b> Minimum version: Base SPARC, 32/64 bit	✓	✓	✓	

## Operating systems and JBoss application servers

The latest minimum base versions of operating systems for JBoss, refer the JBoss support site.

	JBoss 5.0 AS	JBoss 5.0 EAP (5.1 AS)	JBoss 6.1 (AS)	JBoss 6.x EAP	JBoss 7.x EAP
<b>ISRA Version</b>	3.4.0	3.4.0	3.4.0	3.4.0	3.4.0
<b>IBM AIX 7</b> Minimum version: Base IBM POWER-based processors, 64-bit RISC/6000, 64-bit	✓	✓	✓	✓	
<b>Microsoft Windows Server 2008</b> Minimum Version: Base/RTM Editions: Enterprise	✓	✓	✓	✓	
<b>Microsoft Windows Server 2008 R2</b> Minimum Version: Base/RTM 64-bit Editions: Enterprise	✓	✓	✓	✓	✓
<b>Red Hat Enterprise Linux 5</b> Minimum version: Base X86, 32/64 bit Edition: AS	✓	✓	✓	✓	
<b>Red Hat Enterprise Linux 6</b> Minimum version: Base X86, 32/64 bit Edition: AS	✓	✓	✓	✓	✓
<b>Red Hat Enterprise Linux 7</b> Minimum version: Base X86, 32/64 bit Edition: AS					✓ ISRA 3.4.0 FP8 onwards
<b>Novell SUSE Linux Enterprise Server 9</b> Minimum version: Base x86 32/64 bit Edition: SLES	✓	✓	✓		
<b>Novell SUSE Linux Enterprise Server 10</b> Minimum version: Base x86 32/64 bit Edition: SLES	✓	✓	✓		



	<b>JBoss 5.0 AS</b>	<b>JBoss 5.0 EAP (5.1 AS)</b>	<b>JBoss 6.1 (AS)</b>	<b>JBoss 6.x EAP</b>	<b>JBoss 7.x EAP</b>
<b>ISRA Version</b>	<b>3.4.0</b>	<b>3.4.0</b>	<b>3.4.0</b>	<b>3.4.0</b>	<b>3.4.0</b>
<b>Novell SUSE Linux Enterprise Server 11</b> Minimum version: Base x86 32/64 bit Edition: SLES	✓	✓	✓		
<b>HP-UX 11i v2 (11.23)</b> Minimum version: Base PA-RISC and Itanium	✓	✓			
<b>HP-UX 11i v3 (11.31)</b> Minimum version: Base PA-RISC and Itanium	✓	✓			
<b>Sun Solaris 9</b> Minimum version: Base SPARC, 32/64 bit	✓	✓			
<b>Sun Solaris 10</b> Minimum version: Base SPARC, 32/64 bit	✓	✓		✓	✓

## Directory servers

	ISRA 3.4
<b>Novell eDirectory 8.7.3</b> Minimum version: Base	✓
<b>Novell eDirectory 8.8</b> Minimum version: Base	✓
<b>Sun iPlanet Directory Server 5.2</b> Minimum version: Base	✓
<b>Sun Java Directory Server 6.3</b> Minimum version: Base	✓
<b>Microsoft Windows Server 2003 Active Directory</b> Minimum version: Base	✓
<b>Microsoft Active Directory Servers 2008</b> Minimum version: Base	✓

## Product compatibility

	ISRA 3.4
<b>Image Services 4.1.x</b>	✓
<b>Image Services 4.2.0</b>	✓ <sub>1</sub>
<b>Application Engine 3.5.1</b>	✓ <sub>2</sub>
<b>Application Engine 3.5.2</b>	✓ <sub>2</sub>
<b>Application Engine 4.0.1</b>	✓ <sub>2</sub>
<b>Application Engine 4.0.2</b>	✓ <sub>2</sub>
<b>Globalization</b>	✓ <sub>2</sub>
<b>IBM Daeja ViewOne 4.1.0</b>	✓ ISRA 3.4 Fix pack 7 Interim fix 3 onwards
<b>IBM Daeja ViewOne 4.1.3</b>	✓ ISRA 3.4 Fix pack 7 Interim fix 7 onwards

	ISRA 3.4
IBM Daeja ViewOne 4.1.4	✓ ISRA 3.4 Fix pack 8 onwards

**NOTES:** ISRA 3.4 does not support the FIPS and Long Password security enhancements in IS 4.2.0.

1. The above compatibility matrix between P8 AE and ISRA represents the combinations that are supported for the integration between these two products. However, collocation without the integration is supported for all combinations of these 2 products

## Farming and clustering

ISRA 3.4.0 support farming and clustering on the following platforms:

- IBM WebSphere on all supported operating systems
- WebLogic on all supported operating systems
- JBoss on all supported operating systems

## Globalization

ISRA 3.4.0 supports Globalization for specific languages like Arabic, German, English, and Japanese. Users can choose a client code page by setting the “ClientCodePage” parameter in ra.xml file.

## JAAS support

ISRA supports JAAS on the application servers and previously listed platform combinations.

## Image Services Connector for IBM Content Navigator

### Application servers and release support

	IS Connector for ICN 1.2.0	IS Connector for ICN 1.3.0	IS Connector for ICN 1.4.x
<b>WebSphere Application Server 8.5</b> Minimum version 8.5.5	✓	✓	✓

	IS Connector for ICN 1.4.x
<b>Oracle WebLogic 12cR1 (12.1.1)</b> <a href="http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html">http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html</a> Refer to the preceding link to determine the OS support.	✓

### Operating systems and WebSphere Application Servers

	WebSphere 8.5.x 1.2.0	WebSphere 8.5.x 1.3.0	WebSphere 8.5.x 1.4.x
<b>Image Services Connector for ICN version</b>	1.2.0	1.3.0	1.4.x
<b>IBM AIX 6.1</b> Minimum version: Base IBM POWER – based processors, 64-bit	✓	✓	✓
<b>IBM AIX 7</b> Minimum version: Base IBM POWER – based processors, 64-bit	✓	✓	✓
<b>Microsoft Windows Server 2008 R2</b> Minimum Version: Base/RTM 64-bit <b>Editions: Enterprise</b>	✓	✓	✓
<b>Microsoft Windows Server 2012</b> Minimum Version: Base/RTM 64-bit <b>Editions: Enterprise</b>	✓	✓	✓

	WebSphere 8.5.x	WebSphere 8.5.x	WebSphere 8.5.x
<b>Red Hat Enterprise Linux 6</b> Minimum version: Base X86, 32/64 bit Edition: AS	✓	✓	✓
<b>Microsoft Windows Server 2012 R2</b> Minimum Version: Base/RTM 64-bit Editions: Enterprise			✓

## IBM Content Navigator support

	IS Connector for ICN 1.3.0	IS Connector for ICN 1.4.0	IS Connector for ICN 1.4.0.2
<b>IBM Content Navigator</b> Minimum version 2.0.3.4	✓		
<b>IBM Content Navigator</b> Minimum version 2.0.3.5		✓	
<b>IBM Content Navigator</b> Minimum version 3.0			✓ Technote <a href="http://www-01.ibm.com/support/docview.wss?uid=swg22002778">http://www-01.ibm.com/support/docview.wss?uid=swg22002778</a>

- The Image Services connector for IBM Content Navigator consists of two components:
  - A CMIS-based server (Not fully compliant)
  - An IBM Content Navigator plug-in

**NOTE :** The Image Services connector for IBM Content Navigator does not support customized CMIS client applications.

# Print

## RightFax and IDM Desktop

	Print 4.4
<b>RightFax</b> Version 8.7 Outbound Fax	✓  Minimum Print-4.4.0-001
<b>RightFax</b> Version 9.0 SP2 Outbound Fax	✓  Minimum Print-4.4.0-008
<b>RightFax</b> Version 9.3 Outbound Fax	✓  Minimum Print-4.4.0-011
<b>IBM FileNet IDM Desktop</b> Version 4.0.2	✓  Minimum Print-4.4.0-016
<b>IBM FileNet IDM Desktop</b> Version 4.0.3	✓  Print-4.4.0-019

- Effective May 13, 2010, FileNet Fax can no longer be obtained directly from IBM. End of support for version 5.1.0 will be effective September 30, 2011. Please refer to the IBM Tech Note.

<http://www.ibm.com/support/docview.wss?uid=swg21440216>

## Operating systems and release support

	Print 4.4
<b>Microsoft Windows 2000</b> Minimum version: SP4 Edition: Server, Advanced Server	✓ Minimum: Print-4.4.0-005
<b>Microsoft Windows 2003</b> Minimum version: SP2 Edition: Standard, Enterprise	✓ Minimum: Print-4.4.0-012
<b>Microsoft Windows 2003 R2</b> Editions: Standard, Enterprise	✓ Minimum: Print-4.4.0-012
<b>Microsoft Windows Server 2008</b> Versions supported: Base/RTM x86-32-bit, x86-64-bit Editions: Standard, Enterprise, Datacenter	✓ Minimum: Print-4.4.0-021
<b>Microsoft Windows Server 2008 R2</b> Versions supported: Base/RTM x86-64-bit Editions: Standard, Enterprise, Datacenter	✓ Minimum: Print-4.4.0-021
<b>Microsoft Windows Server 2012</b> Versions supported: Base/RTM x86-64-bit Editions: Standard, Enterprise, Datacenter	✓ Minimum: Print-4.4.0-021
<b>Microsoft Windows Server 2012 R2</b> Versions supported: Base/RTM x86-64-bit Editions: Standard, Enterprise, Datacenter	✓ Minimum: Print-4.4.0-021
<b>Microsoft Windows Server 2016</b> Versions supported: Base/RTM x86-64-bit Editions: Standard, Enterprise, Datacenter	✓ Minimum: Print-4.4.0-024
<b>Microsoft Windows Server 2019</b> Versions supported: Base/RTM x86-64-bit Editions: Standard, Enterprise, Datacenter	✓ Minimum: Print-4.4.0-024

**NOTE** To use Print 4.4 with Windows 2008, the Windows User Access Control (UAC) feature must be disabled.

- As of July 2015, Windows 2003 entered EOS. Going forward, Print 4.4 fix packs will no longer be tested with Windows 2003. Print support will continue to accept PMRs for Windows 2003 based configurations, however if a problem is suspected to be Windows dependent, you may be required to recreate the problem on a supported version of Windows.
- As of July 2010, Windows 2000 entered EOS. Going forward, Print 4.4 fix packs will no longer be tested with Windows 2000. Print support will continue to accept PMRs for Windows 2000 based configurations, however if a problem is suspected to be Windows dependent, you may be required to recreate the problem on a supported version of Windows.

## Product compatibility

	Print4.4
Image Services 4.1.x	✓ Minimum; PRINT-4.4.0-018
Image Services 4.2.0	✓ Minimum; PRINT-4.4.0-02



## Additional support statements

### Remote Desktop

Microsoft Terminal Services		
	Remote Desktop Connection version 5.2	Remote Desktop Connection version 6.0
<b>Microsoft Windows Server 2008</b> Minimum version: Base/RTM x86, 32/64-bit Editions: Standard, Enterprise, and Datacenter		✓
<b>Microsoft Windows Server 2008</b> Minimum version: Base/RTM x86, 64-bit <b>Editions: Standard, Enterprise, Datacenter</b>		✓
<b>Microsoft Windows XP</b> Minimum version: SP1 x86, 32-bit Editions: Professional	✓	✓
<b>Microsoft Windows Vista</b> Minimum version: Base/RTM x86, 32/64-bit Editions: Business		✓
<b>Microsoft Windows 7</b> Minimum version: Base/RTM X86-32 bit, X86-64 bit <b>Editions: Professional, Ultimate</b>		✓

**NOTE:** Starting with Image Services 4.1.1 FP3, IBM FileNet supports Remote Desktop (Terminal Services)  
 The support of Remote Desktop with Terminal Services does not apply to Print or ISRA products.

## Citrix

Citrix is a Terminal Services application. Image Services, IM Utilities, ISRA, and Print are not supported with Citrix.

## Server virtualization technologies

For support of Tivoli Storage Manager SDK and EMC Centera storage SDKs in virtualized environments please refer to the following:

IBM Tivoli Storage Manager: [http://www.ibm.com/support/docview.wss?rs=663&context=SSGSG7&uid=swg21239546&loc=en\\_US&cs=utf-8&lang=en](http://www.ibm.com/support/docview.wss?rs=663&context=SSGSG7&uid=swg21239546&loc=en_US&cs=utf-8&lang=en)

EMC Centera: Please contact EMC to inquire about support of their Centera SDK in virtualized environments.

## Support for operating system-based virtualization technologies

	IS 4.1 (4.1.0)	IS 4.SP1 (4.1.1)	IS 4.1.2	IS 4.2.0
AIX LPAR <sup>1</sup>	✓	✓	✓ <a href="http://www-01.ibm.com/support/docview.wss?uid=swg22014913">http://www-01.ibm.com/support/docview.wss?uid=swg22014913</a>	✓ AIX 6.1 TL5, 7.1, and 7.2 <a href="http://www-01.ibm.com/support/docview.wss?uid=swg22014913">http://www-01.ibm.com/support/docview.wss?uid=swg22014913</a>
AIX 6.1 & 7.1 WPAR <sup>2</sup>				✓
AIX Micropartitioning <sup>1</sup>	✓	✓	✓	✓
Windows VMWare 3.1 & 4.1 ESX , 5.x ESXi server <sup>2</sup>	✓	✓	✓	✓
Windows 2008 & 2008 R2 Hyper V <sup>2</sup>			✓	✓
Solaris 10 Zones (Sparse Zones) <sup>2, 3</sup>	✓	✓	✓	✓
HP Integrity 11i v3 (11.31) NPAR, VPAR, HPVM <sup>2</sup>			✓	✓
SUSE/RHEL KVM <sup>2, 4</sup>			✓	✓
Oracle VM Server) <sup>2</sup> (Oracle Sun LDOMs)			✓	✓

### NOTE

<sup>1</sup>Optical devices in an LPAR environment must have exclusive access to the device. They are only supported with the physical assignment of the SCSI adapter to a LPAR and not through a VIO server.

<sup>2</sup> Optical devices are not supported

<sup>3</sup> Only Sparse Zones are supported on Sun Solaris 10 starting with the IS/ISTK 4.1.2 release.

<sup>4</sup> KVM support is limited to the 4.1.2 and 4.2.0 versions IS/ISTK, with KVM on Red Hat Enterprise Linux (RHEL) and SUSE Linux Enterprise Server (SLES). Supported guest operating systems are Windows 2008 R2, 2008, 2003 R2, 2003, Windows 7, Vista, XP

### **Software support for IBM SWG products in a VMware® environment**

<http://www.ibm.com/support/docview.wss?&uid=wss1e333ce0912f7b152852571f60074d175>

### **File System encryption technologies**

Some encryption technologies are designed and advertised to be transparent to applications and communication channels to and from storage, however IBM FileNet has not tested those claims. Although no specific integration effort may be required for the use of these technologies with our software, performance might still be affected.

IBM supports its software deployed in environments using these products unless otherwise noted. However, if in the course of troubleshooting its software IBM determines an issue related to the encryption product, IBM might require that the customer reproduce the problem in a non-encrypted configuration, and due to the nature of these technologies, cannot guarantee resolution of the encryption-related issue.

### **High Availability technologies**

In general, IBM FileNet Image Services provides an infrastructure that can be leveraged by any high availability technology. However, it is prudent to do a proof of concept test, or even a pilot project, to confirm that the configuration functions as expected. For more information, see the *IBM FileNet Image Services High Availability Procedures and Guidelines* (Combined VERITAS Cluster Server and Microsoft Cluster Server information). To download this document, see Access IBM FileNet documentation on page 6.

## Revision table

Date	Description
29 Oct 2018	<b>IS:</b> Updated information about Optical Drive and Libraries (OSAR).
10 Sep 2018	<b>ISRA:</b> Removed release support for Sun GlassFish Enterprise Server 2.1 and Oracle 10g application servers. Removed IBM AIX 6.1 and Red Hat Enterprise Linux 4 operating systems support for WebLogic application server. Removed IBM AIX 6.1 and SUSE Enterprise Server 10 operating systems support for WebSphere application server. Removed IBM AIX 6.1, Microsoft Windows Server 2003, Microsoft Windows Server 2003 R2, and Red Hat Enterprise Linux 4 operating systems support for JBoss application server. Removed the Oracle 10g and Sun GlassFish Enterprise Server 2.1 support for the following operating systems: <ul style="list-style-type: none"> <li>• IBM AIX 6.1</li> <li>• IBM AIX 7</li> <li>• Microsoft Windows Server 2003</li> <li>• Microsoft Windows Server 2003 R2</li> <li>• Microsoft Windows Server 2008</li> <li>• Microsoft Windows Server 2008 R2</li> <li>• Red Hat Enterprise Linux 4</li> <li>• Red Hat Enterprise Linux 5</li> <li>• Red Hat Enterprise Linux 6</li> <li>• Novell SUSE Linux Enterprise Server 9</li> <li>• Novell SUSE Linux Enterprise Server 10</li> <li>• Novell SUSE Linux Enterprise Server 11</li> <li>• HP-UX 11i v2 (11.23)</li> <li>• HP-UX 11i v3 (11.31)</li> <li>• Sun Solaris 9</li> <li>• Sun Solaris 10</li> </ul>
29 Aug 2018	<b>ISRA:</b> Added RHEL 7 OS support for ISRA FP8 for WebLogic 12c, WebSphere 9.0, and JBoss 7.x application servers.
13 Aug 2018	<b>IS:</b> Added support for Data ONTAP version 9.x for Snaplock NetApps.
28 Jun 2018	<b>Print:</b> Added Windows 2016 support for Print.
13 Jun 2018	<b>IS:</b> Added support for Oracle 12c (12.2.0).
14 May 2018	<b>IS:</b> Removed IS Connector for ICN 1.2.0 and IBM Content Navigator 2.0.3.2 support information.
23 Mar 2018	<b>IS:</b> Added support for AIX 7.2 LPAR.
28 Feb 2018	<b>IS:</b> Hitachi HCP enabled Storage v7.3.x support in IS 4.1.2 and IS 4.2.0 included.
15 Feb 2018	<b>ISRA:</b> WAS 9.0 support in ISRA 3.4 FP8 included. WAS 6.1 and WAS 7.0 support removed.
14 Nov 2017	<b>IS:</b> Added information about ECS 3.1 in Note 3.
27 Jul 2017	<b>IS:</b> Added support for DB2 11.1.
27 Apr 2017	<b>IS:</b> Added support for Windows Server 2016.

IBM FileNet IS, ISRA, and Print Hardware and Software Requirements  
**Revision table**

Date	Description
	Added support for Microsoft SQL Server 2016. Added support information for Image Services Connector for ICN (3.0). Added ISTK and RAC support for Microsoft Windows 10.
<b>2 Mar 2017</b>	<b>ISRA:</b> JBoss 7.x EAP support in ISRA 3.4 FP8 included.
<b>19 Jan 2017</b>	<b>IS:</b> Added information about ECS 3.0 in Note 3. Corrected Oracle 11g R2 and 12c versions in Databases table.
<b>12 Jan 2017</b>	<b>IS:</b> Fixed the broken URL for Optical Drive and Libraries (OSAR).
<b>22 Dec 2016</b>	<b>IS:</b> Dell EMC Centera SDK v3.2.705 support in IS 4.1.2 and IS 4.2.0 included. Added corresponding Note 3.
<b>24 Aug 2016</b>	<b>ISRA:</b> JBoss 6.x EAP support in ISRA 3.4 FP7 included. Removed all other instances, such as JBoss 6.1 EAP, JBoss 6.2 EAP, and JBoss 6.3 EAP support in ISRA 3.4 FP7.
<b>16 Oct 2015</b>	<b>ISRA:</b> Windows 2012 server and IBM Daeja ViewOne 4.1.4 support info for ISRA 3.4 Fix pack 8 added. Windows 2003 support is removed.
<b>10 Jul 2015</b>	<b>ISRA:</b> JBoss 6.3 EAP support in ISRA 3.4 FP7 included.
<b>24 Mar 2015</b>	<b>IS:</b> Verified & corrected links Added IBM Content Navigator to Legend Added IS & ISTK 4.1.0 out of support message Added support for AIX 7.2 Added Microsoft Windows 2012 R2 support Added a statement addressing Windows 2003 Added a statement addressing Windows 2000 Added a statement addressing Windows XP Added Oracle 12c support Added Microsoft SQL Server 2012 R2 support Added Microsoft SQL Server 2014 support Modified Data ONTAP support to include 8.x Added TSM 6.4 support to the SDS storage table Removed reference to DART 1.8.2 support Added CPE 5.2.1 support Added note for CPE 5.2.1 bi-directional support. Removed reference to ISTK 4.0.50 support Removed reference to RAC 4.0.50 support Added support information for Image Services connector for ICN (1.3.0) Removed reference to IDM Desktop 4.0.0 and 4.0.1 Added End of Support message for FileNet Fax.
<b>05 Mar 2015</b>	<b>ISRA:</b> JBoss 6.2 EAP support in ISRA 3.4 FP7 included. JBoss 4.3 EAP support removed.
<b>30 Sept 2014</b>	<b>ISRA:</b> WAS 8.5.5 and IBM Daeja ViewOne 4.1.0 support info in ISRA 3.4 Fix pack 7 Interim fix included.
<b>07 July 2014</b>	<b>ISRA:</b> JBoss 6.1 EAP support in ISRA 3.4 FP7 included.
<b>02 Apr 2014</b>	<b>ISRA:</b> Added support information on WebLogic 12c on ISRA 3.4 Fix pack 7. WebLogic 9 version is deprecated. Row IBM AIX 5.3, HP-UX 11i v2 (11.23), and Sun Solaris 9 are removed, related to WebLogic 9. <b>Print</b>

Date	Description
	Microsoft Windows 2000, SP4, Prof. Windows XP SP2, Prof., Windows Vista, Business - rows removed as they are not supported for Print 4.4
18 Mar 2014	<b>IS:</b> Added a note to the Product Compatibility section about FIPS compliance requirements
4 Feb 2014	<b>ISRA:</b> Open source editions of servers have been removed from the table "Application servers and release support".
13 Dec 2013	<b>IS:</b> Added support for Solaris 11, Windows 2012, Windows 8 Removed support for SQL2000 Cleaned up notes in each section Removed support for Windows 2000 Active Directory Removed console mode restriction for Remote Desktop (Terminal Services) Replaced broken technote link on page 25
04 Jun 2013	<b>IS:</b> Added ONTAP v8 support for Added Oracle VM servers (Sun LDOM) support Added TSM 6.3 support to the SDS storage table Added a statement addressing conditional support for the Centera SDK 3.3 libraries Added a statement addressing DB2 8.2 and 9.1 EOS Removed restriction to use Remote Desktop support in console mode only <b>ISRA:</b> ISRA3.4 FP6 and WebSphere Application Server 8.5 support added. Removed WebSphere Application Server 6.0 support info.
22 Feb 2013	<b>ISRA:</b> JBoss6.1 support in ISRA 3.4 FP6 included. JBoss 4.2.3 support is deprecated.
24 Jan 2013	<b>IS:</b> Removed non-support statement for Oracle Exadata Added support for DB2 v10.1 for 4.1.2
18 Dec 2012	<b>IS:</b> Added support note for AIX 5.3 entering EOS. Added support for DB2 v10.1 for 4.2.0 Added support for Centera 3.3 SDK for Windows 2008 R2
8 Nov 2012	<b>ISRA:</b> Weblogic11g support in ISRA3.4 FP6 included.
18 Sep 2012	<b>IS:</b> Added support for SQLServer 2012 Added RHEL 6.0 support for Oracle databases Oracle Partitioning statement revised Added O/S version support for the IBM N-series/NetApp SnapLock - CIFS/NFS V2 and V3 Print: Modified minimum release level supported with IS 4.2.0
21 Aug 2012	<b>ISRA:</b> ISRA3.4 FP6 and WebSphere Application Server 8 support added.
05 Apr 2012	<b>IS:</b> Added KVM virtualization support Added note that Oracle runtime database sold with Image Services is no longer supported as of 12/31/11 Added support for IDM 4.0.2 with IS 4.1.SP1 in the product compatibility matrix Added support statement for TSM and SSAM in the storage section
06 Mar 2012	<b>ISRA:</b> Application Engine 4.5.0 edited to 4.0.2 under Product Compatibility section.
14 Oct 2011	<b>IS:</b> Added reference to the IBM FileNet IDM Desktop, Web Services and Open Client, IBM FileNet Content Services, IBM FileNet eForms and IBM FileNet eProcess Hardware and Software Requirements guide. Updated compatibility matrix for IDM 4.0.2 & 4.0.3 support

Date	Description
	<p>Updated compatibility matrix for Capture 5.2.0 &amp; 5.2.1 &amp; ISRA 3.4; modified notes to provide link to product software guides</p> <p>Added note to IM Utilities section - The IM utility software packages that are supported with IS 4.2.0 were not released with ISTK 4.2.0. Customers should install the versions for ISTK 4.1.x.</p> <p><b>ISRA:</b> Updated the compatibility matrix and NOTES section</p> <p><b>Print:</b> Updated compatibility matrix for IS 4.2.0 support with Print 4.4 Updated compatibility matrix for IDM 4.0.3 support with Print 4.4</p>
20 Aug 2011	<p><b>IS:</b> CFS-IS note added for unidirectional and bidirectional synchronization support Reworded Oracle Instant 32 bit client statement in the notes of the database section Added restriction to use Remote Desktop support in console mode only Removed support of ISTK 4.2.0 with 4.1.x releases and added a note with an explanation Fixed numbered notes in virtualization section</p> <p><b>ISRA:</b> Support for RHEL6 OS for all app servers under ISRA section.</p>
15 May 2011	<p><b>IS:</b> Added IS 4.2.0 release to the appropriate tables Added non support statement for Oracle Exadata in the Notes section of the database support table Added WPAR support for IS 4.2.0 Added HP Integrity NPAR, VPAR, HPVM to virtualization table Added non support statement for HP-UX PA-RISC platform for IS 4.2.0 Split the HP PA-RISC and Integrity operating system row to properly reflect current release support Corrected name of the sync write test utility Added statement that NLS 2.0 is not supported on IS 4.2.0 except for previously written documents</p> <p><b>ISRA:</b> Added JBoss 4.3 EAP for all Operating Systems in the list Added AIX 7 for all Application servers in the appropriate tables Removed AIX 5.2 for all application servers</p>
30 Oct 2010	<p><b>IS:</b> Added Oracle 11g R2 support Added SQLserver 2008 R2 support Added DB2 pureScale support Added ISTK reference to Solaris zones statement Added Hyper V to virtualization table Added EMC Centera 3.2.5 support Added Tivoli 6.2 support Added RAC 4.1 2 support with IS 4.1.SP1 Changed reference from 4.1.3 release to 4.2.0</p> <p><b>Print:</b> Added Windows 2008 R2 support for print</p> <p><b>ISRA:</b> Removed Jboss 4.0 Added Win 2008 R2 support for all app servers Updated SUSE Linux Enterprise 11 support for all app servers</p>
31 May 2010	<p>Added IS support for Windows 2008 R2 Clarified statement on Solaris Sparse Zone support Added MSAR support policy Fixed the link to the EMC support policy Added MS Windows 2008 R2 to Directory Server table Dropped TSM v5.3 with IBM System Storage DR 550 from table Modified the HCAP/HCP SDS device description Dropped MS Windows Server 2003 from remote desktop table ISRA: Added JBoss 5.0 EAP (5.1 AS) support to the Operating systems and JBoss Application Servers table ISRA: Added Sun GlassFish Enterprise Server 2.1 support ISRA: Added Novell SUSE Enterprise Server 11 support</p>
31 Jan 2010	<p>Replaced customer support statement in introduction Added Oracle TDE support statement</p>

Date	Description
	<p>Added Oracle 11g RAC support                      Added Windows 7 support                      Added Windows 2008 R2 support                      Added ECM Centera SDK 3.2.4 support                      Modified Centera support statement                      Removed two database notes (SQL2005 64 bit only &amp; SQL2000 support on Windows 2000)                      Added Windows 7/2008 R2 support to the remote desktop table                      Modified the optical support statement in the notes below the operating system based virtualization technologies table                      Added SANS and NAS support policy link                      Remove Solaris 8 support</p>
<b>22 Sep 2009</b>	<p><b>Removed the following from tables pertaining to ISRA:</b>                      ISRA 3.3                      Windows Server 2000                      Red Hat Enterprise Linux 3                      HP-UX 11i v1 (11.11)                      WebSpehere 5 and 5.1                      WebLogic Application Server 8.x</p> <p><b>Added the following to tables related to ISRA:</b>                      WebLogic Application server 10.3                      JBoss 5.1 GA                      LDAP servers Novell eDirectory 8.8 and Sun Java Directory Server 6.3                      Added Content Engine 4.5.1 support to CFS-IS product compatibility matrix                      Added DB2 9.7 support                      Added Tivoli Storage Manager 6.1 support                      Removed eProcess and BPM from compatibility matrix                      Added database note: IS has not tested and does not support Oracle databases partitioning technology                      Removed Print 4.3 support in all tables                      Removed restriction to use Remote Desktop support in console mode only</p>
<b>08 June 2009</b>	<p>Removed IS 4.0.50 from all tables                      Changed OS level tables to reflect minimum version supported                      Removed Solaris 2.6 support                      Removed DB2 8.1 support                      Replaced Copyright &amp; Intellectual Property Licenses                      Added Storage virtualization statement                      Added operating system virtualization table                      Minor update to print release support                      Removed Centera SDK 3.0, 3.1.0 support                      Added Centera SDK 3.2.3 support                      Removed eprocess 5.1 support from compatibility matrix                      Added Oracle instant client support statement                      Added High Availability technology support statement                      Clarified some verbiage under the Database notes                      Removed IS 4.0.50 from ISRA product compatibility table</p>
<b>24 Apr 2009</b>	<p>ISRA table correction "Operating systems and WebSphere application servers" page 22                      IS OS patch support updates for AIX, HP, Solaris                      IS Centera SDK table support clarification expanded                      IS Support for SQL Server 2008                      Support for Remote Services in console mode added                      File system encryption technologies statement added                      Removed redundant verbiage under server virtualization technologies link                      Removed duplicate entries after the introduction to access documentation and customer support</p>
<b>06 Feb 2009</b>	February update
<b>31 Dec 2008</b>	December update
<b>29 July 2008</b>	Initial release of document



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This product incorporates technology covered by one or more of the following patents: U.S. Patent Numbers: 6,094,505; 5,768,416; 5,625,465; 5,369,508; 5,258,855.