



***IMAGE SERVICES***

# **Release Content Description**

**Release 4.0 SP5**

**9844149-001**

**November 2006**

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# Contents

## About This Manual 5

Scope 5

Procedures, Guides, and Handbooks 6

Education 7

Comments and Suggestions 7

## Overview 8

Feature Summary 8

Image Services 4.0 SP5 Enhancement Record Summary 10

## Enhancement Descriptions 12

**CFS-IS Multi-Platform 12**

Annotation support 12

**Security 13**

Programmable Security Objects (PSO) 13

Extensible Password Support 14

**Hardware 15**

Support for Adapters and Controllers 15

Support for IBM DR 550 storage subsystem with the Tivoli Storage Manager 15

**Localization 16**

German Resource and Error Message Files 16

French Resource Files 17

**Operating Systems 18**

AIX 18

HP-UX 19

Solaris 19

Windows Server 20

**Miscellaneous Enhancements 21**

License Tracking 21

Support for a standardized ZIP utility on Windows for the FNZIP program 21

Release Notes Removed from Release Media 22

# About This Manual

## Scope

This document describes the new features in FileNet Image Services (IS) 4.0 SP5. Image Services 4.0 SP5 software is composed of the following products:

- Image Services for AIX/6000
- Image Services for HP-UX on HP 9000 Servers
- Image Services for the Solaris Operating Environment
- Image Services for Windows Server

Refer to the following documents for contents of previous Image Services 4.0 releases:

<i>Release Content Description for IS 4.0.0</i>	9844093-001
<i>Release Content Description for IS 4.0 SP1</i>	9844106-001
<i>Release Content Description for IS 4.0 DB2 Edition</i>	9844117-001
<i>Release Content Description for IS 4.0 SP2</i>	9844118-001
<i>Release Content Description for IS 4.0 SP3</i>	9844126-001
<i>Release Content Description for IS 4.0 SP4</i>	9844128-001

## Procedures, Guides, and Handbooks

The procedures, guides, and handbooks listed below contain additional material describing Release 4.0 SP5 features. These documents are included on the Image Services 4.0 SP5 software CD.

***IS Activity Logging***

***IS COLD Handbook***

***IS Content Federated Services for Image Services Guidelines***

***IS Enterprise Backup and Restore***

***IS Guidelines for Installing and Configuring IBM DB2 Software***

***IS Guidelines for Installing and Updating Site-Controlled Oracle Software on UNIX Servers***

***IS Index and WorkFlo Database Contents***

***IS MSAR Procedures and Guidelines***

***IS Multi-Committal and Cross-Committal Configuration Handbook***

***IS Single Document Storage and Retrieval Procedures and Guidelines***

***IS SNMP Reference Manual***

***IS System Administrator's Companion for UNIX***

***IS System Administrator's Handbook***

***IS System Messages Handbook***

***IS System Reference Guide***

***IS System Configuration Overview***

***IS System Tools Reference Manual***

***System Information Messenger***

Refer to the documentation CD released with Image Services 4.0.0 and the FileNet CSS Web site for the latest version of these Image Services manuals.

### **Image Services Toolkit**

The guide listed below describes the new Image Services Toolkit 4.0 (IS 4.0 SP5 edition). This document is included on the ISTK 4.0 (IS 4.0 SP5 edition) software CD.

*FileNet P8 Image Services Toolkit (ISTK) Developer Reference Manual.*

### **Remote Admin Console**

The guide listed below describes the new features in Remote Admin Console for IS 4.0 (IS 4.0 SP5 edition). This document is included on the RAC software CD.

*Remote Admin Console User's Guide*

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**Note** The latest versions of all the documents listed above are available on the FileNet Web site <http://www.css.filenet.com>.

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## **Education**

FileNet provides various forms of instruction. Please visit the Global Learning Services in FileNet's Service & Support area at:

[www.filenet.com](http://www.filenet.com).

## **Comments and Suggestions**

FileNet invites all customers to communicate with the Documentation group on any question or comment related to FileNet manuals and online help. Send email to:

[docs@filenet.com](mailto:docs@filenet.com)

We will make every effort to respond within one week. Your suggestions help us improve the products we deliver.

## Feature Summary

Image Services (IS) Release 4.0 SP5 includes the following features:

- Support for annotations in Content Federation Services for Image Services (CFS-IS).
- Support for extensible password authentication.
- Support for programmable security objects.
- Qualification of several controllers and adapters.
- Qualification of various operating system patch releases.

In addition, this document references features associated with the Image Services 4.0 SP5, Image Services Toolkit (ISTK) 4.0 (IS 4.0 SP5 Edition), and Remote Admin Console, Release 4.0 (IS 4.0 SP5 Edition).

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**Note** Image Services 4.0 HP Integrity Edition and Image Services 4.0 SP5 contain the same release contents. The differences are in how they are installed.

Image Services 4.0 HP Integrity Edition is designed for fresh installs on HP Integrity servers only.

Image Services 4.0 SP5 is designed for upgrades on AIX, Solaris, HP-UX (HP 9000), and Windows servers only.

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Image Services 4.0 SP5 must be used in conjunction with Image Services 4.0.0. (Image Services 4.0 SP5 can also be an upgrade from IS 4.0 DB2 Edition or any previous Image Services 4.0 Service Pack.)

If you wish to convert an existing IS system from HP 9000 servers to HP Integrity servers, please contact your FileNet representative.

The **[“Image Services 4.0 SP5 Enhancement Record Summary” on page 10](#)** includes a list of enhance requests included in Image Services 4.0 SP5. These enhancements are described in more detail in the main section of this document.

## Image Services 4.0 SP5 Enhancement Record Summary

The following list summarizes the enhancements made to the FileNet Image Services software in this release.

Certain Image Services 4.0 SP5 Enhancement Records (ERs) are NOT included in this list and/or documented in this Release Content Description. These ERs fall in one of the following categories:

- ERs for internal features, such as test scripts, that are not released to the field.
- ERs for internal interfaces to other FileNet products.
- ERs for preliminary work on features that will not be implemented until a future release.

Enhancement Records Implemented in Image Services 4.0 SP5

Enhancement Record	Description	See Page
161159, 179745, 161155 161401 161403	CFS-IS-mp Annotation Support	<a href="#">12</a>
159374	Support Programmable Security Objects in IS Software	<a href="#">13</a>
178932 177316	Extensible Password Support	<a href="#">14</a>
182291 170418 139002 163742 139003	Support for additional controllers and adapters	<a href="#">15</a>

## Enhancement Records Implemented in Image Services 4.0 SP5, Continued

Enhancement Record	Description	See Page
149112	Support for the IBM DR 550 storage subsystem with the Tivoli Storage Manager (ISAR)	<a href="#"><u>15</u></a>
161163	Release German translated resource files	<a href="#"><u>16</u></a>
161165	Release French translated resource files	<a href="#"><u>17</u></a>
161149, 186741, 186742, 175836, 161391 161389, 165647	AIX operating systems supported	<a href="#"><u>18</u></a>
130244, 130245, 130246, 130247	HP-UX operating systems supported	<a href="#"><u>19</u></a>
154370	Support of IBM DB2 version 8.2 on Sun Solaris 9	<a href="#"><u>19</u></a>
183846	Support for Windows 2003 R2	<a href="#"><u>20</u></a>
157697	License Tracking	<a href="#"><u>21</u></a>
178400	Support for a standardized ZIP utility on Windows	<a href="#"><u>21</u></a>
183992	Remove release notes from media and maintain on FileNet CSS Web site	<a href="#"><u>22</u></a>

# Enhancement Descriptions

## CFS-IS Multi-Platform

### Annotation support

Enhancement Records: 161159, 179745, 161155, 161401,161403

Implementation:All Platforms

FileNet P8 Content Federation Services combines the capabilities of Image Services (IS) systems and Content Engine (CE) systems, allowing content stored on the Image Services system to be cataloged and viewed on a Content Engine System.

You can configure the Catalog Export tool so that the index properties of newly captured IS documents, images, or content are automatically exported to the CE system.

For existing IS documents, images, or content, you can configure the Catalog Export tool to export both index properties and annotations to the CE system. If index properties have already been exported, you have the option of exporting only the annotations.

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**Note** When you export index data, the content always remains in the IS system. All associated annotations are automatically copied to the CE system in their entirety, so the annotations always reside on both systems.

The only things you can optionally delete from the Image Services system are the index values from the index database.

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## Security

### Programmable Security Objects (PSO)

Enhancement Record:159374

Implementation: All platforms

Programmable Security Objects (PSOs) provide the ability to change the standard FileNet software user name **fns**w.

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**Important!**

The task of changing any security object should be done with great caution. Before you actually change the fns

w user name, analyze your system, and if you can avoid changing this security object, do so.

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If you decide to change this security object, review the new tools available to work with programmable security objects: fn\_pso\_driver, fn\_pso\_podf\_admin and fn\_pso\_switch in the [\*\*\*Image Services System Tools Reference Manual\*\*\*](#).

Upgrade support for PSOs for all platforms is available in IS 4.0 SP5.

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**Note**

Due to database schema restrictions on DB2 and ORACLE, you must export all database tables through GDB\_exim prior to executing fn\_pso.

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Fresh Install support will be available on the next available release (4.1.0 or 5.0) for all platforms.

This feature does not change the standard behavior of the IS software. From a user's perspective, all PSO changes will be transparent.

## Extensible Password Support

Enhancement Records:178932, 177316

Implementation: All platforms

Extensible Password Authentication provides the ability to enforce more stringent password validation rules and to be able to customize the password validation rules.

- **Mandatory Password Change** - requires a user to change their password anytime the System Administrator resets the password.
- **User Expiration Exclusion** - excludes specific users from the password expiration rules.
- **Custom Password Validation** - provides the ability to enforce more stringent password validation rules and to customize the password validation rules.

The customer is responsible for providing a custom shared library, which must have a single entry point designed to enforce restrictions on user passwords.

## Hardware

### Support for Adapters and Controllers

Image Services 4.0 SP5 release supports the following controllers and adapters:

- IBM1912 PCI-X Dual Channel Ultra320 LVD SCSI Controller  
ER 182291
- Paralan Ultras320 PCI Host Adapter - ER 170418
- Sun StorEdge SG-XPCI2SCSI-LM320 PCI/PCI-X Ultra 320 LVD/  
SE SCSI Adapter - ER 139002
- HP A7173A PCI-X Dual Channel Ultra 320 LVD/SE SCSI Adapter  
ER 163742
- IBM 5712 PCI-X Dual Channel Ultra 320 LVD/SE SCSI Adapter  
ER 139003

### Support for IBM DR 550 storage subsystem with the Tivoli Storage Manager

Enhancement Record: 149112

Implementation: AIX/6000

FileNet Image Services 4.0 SP5 release includes support for the IBM DR 550 storage subsystem with the Tivoli Storage Manager. This integration to the DR 550 is referred to as the IBM Storage and Retrieval (ISAR) feature. The DR 550 provides an API interface and is addressable over the Ethernet. The DR 550 runs on either Oracle9i RDBMS software or IBM DB2 Client software on Hewlett-Packard Integrity server.

## Localization

### German Resource and Error Message Files

Enhancement Record:161163

Implementation: All platforms

German versions of the resource files and error message text have been updated for this release.

If the LANG environment variable is set appropriately, the German localized resource files are used by the server applications and the German error message file is accessed by the ERM shared library. If the LANG variable is set to one of the following values, German files are used:

DEU	Windows Server
de_DE	AIX
de_DE.iso88591	HP-UX
de	Solaris



## French Resource Files

Enhancement Record:161165

Implementation: All platforms

French versions of the resource files have been updated for this release.

If the LANG environment variable is set appropriately, the French localized resource files are used by server applications. If the LANG variable is set to one of the following values, French files are used:

FRA	Windows Server
fr_FR	AIX
fr_FR.iso88591	HP-UX
fr	Solaris

French error message text is not available.

## Operating Systems

### AIX

Enhancement Records:161149, 186741, 186742, 175836, 161391  
161389, 165647

Implementation: Image Services for AIX/6000

The following AIX releases are supported for the Image Services 4.0 SP5 release of Image Services for AIX/6000:

AIX 5.3 Technology Level 5

AIX 5.2 Technology Level 8 and 9

AIX 5.2 Maintenance Level 6 and 7

AIX 5.1 Maintenance Level 8

For the most up-to-date information on maintenance level testing, refer to the specification for your Image Services release and operating system on the FileNet Customer Service & Support Web site: Product Tech Info > Image Manager > Image Services > Compatibility & Dependency.

## HP-UX

Enhancement Records:130244, 130245, 130246, 130247

Implementation: Image Services for HP-UX

The following HP-UX release is supported for the Image Services 4.0 SP5 release of Image Services for HP-UX:

HP-UX 11i v1

For the most up-to-date information on maintenance level testing, refer to the specification for your Image Services release and operating system on the FileNet Customer Service & Support Web site: Product Tech Info > Image Manager > Image Services > Compatibility & Dependency.

## Solaris

Enhancement Record:154370

Implementation: SUN

The following Solaris release is supported for the Image Services 4.0 SP5 release of Image Services for Solaris:

Sun Solaris 9

In addition, IBM DB2 version 8.2 is supported on Sun Solaris 9.

For the most up-to-date information on maintenance level testing, refer to the specification for your Image Services release and operating system on the FileNet Customer Service & Support Web site: Product Tech Info > Image Manager > Image Services > Compatibility & Dependency.

## Windows Server

Enhancement Records:161388, 162821

Implementation: Image Services for Windows

The following Windows releases are supported for the Image Services 4.0 SP5 release of Image Services for Windows Server:

- Windows 2000 Server
- Windows 2000 Advanced Server
- Windows 2000 Datacenter Server
- Windows Server 2003
- Windows Advanced Server 2003
- Windows 2003 R2

In addition, this release supports MS-SQL Server 2000 SP4 on Windows 2000 & 2003.

## Miscellaneous Enhancements

### License Tracking

Enhancement Record: 157697

Implementation: All platforms

Improvements in license tracking will enable the FileNet compliance team to conduct customer license reviews of existing IS customers more efficiently. These improvements will result in significant time savings for the team.

License tracking improvements in IS 4.0.50 were achieved through modifications to the existing IS reports. The reports were modified as follows:

- New details were added to the report regarding user ids, logons and usage.
- A new dump report provides more thorough details on device usage.

### Support for a standardized ZIP utility on Windows for the FNZIP program

Enhancement Record: 178400

Implementation: Windows

The FNZIP utility was released in conjunction with the new 911 utility to compress all of the logs and data collected from running the 911 utility on a customer system. The 911 utility uses the standard tar and compress utilities on UNIX.

This Zip tool is based on a Windows standard ZIP utility, Info-ZIP. The Info-ZIP code was modified and repackaged. The modified Info-ZIP's zip utility will be available on all future releases of FNZIP on Windows. The Info-ZIP unzip utility is also packaged unchanged and called UNZIP.

With this new version of FNZIP, you can uncompress and extract the files using Windows Explorer (XP), the standard WinZip utility, or the new UNZIP.

## **Release Notes Removed from Release Media**

Enhancement Record: 183992

Implementation: All Platforms

Starting with 4.0 SP5, the Release Notes file has been removed from the Image Services media. Release notes are dynamic, and as such, are frequently modified during the life of the product. You can now access the latest version of the Release Notes from the FileNet CSS Web site by following this link:

Product Tech Info > Image Manager (IM) > Image Services (IS) > Release Information > All Release Notes.