IMAGE SERVICES

Release Content Description

Release 4.0 HP Integrity Edition

9844140-001

November 2006

Contents

About This Manual

Scope

This document describes the new features in FileNet Image Services (IS) Release 4.0 HP Integrity Edition, as well as features added since the release of Image Services 4.0 SP4 and not documented previously. Image Services 4.0 HP Integrity Edition software is composed of the following products:

- Image Services for HP-UX on HP Integrity Servers

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

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

Refer to the *Image Services Toolkit Release 4.0 DB2 Edition Content Description* (9844120-001) for the Image Services Toolkit content. This document is released on the Image Services DB2 Edition Toolkit CD.

Procedures, Guides, and Handbooks

The following new document is designed specifically for HP Integrity users:

Installation and Configuration Procedures for HP-UX on HP Integrity Servers

The procedures, guides, and handbooks listed below contain additional material regarding Release 4.0 HP Integrity Edition features. These documents, as well as the *Installation and Configuration Procedures for HP-UX on HP Integrity Servers*, are included on the documentation CD released with Image Services 4.0 HP Integrity Edition.

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

The latest versions of these documents are available on the FileNet Web site **http://www.css.filenet.com**.

Education

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

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

Overview

Feature Summary

Image Services (IS) Release 4.0 HP Integrity Edition includes the following features:

- Support for Hewlett-Packard Integrity servers powered by Intel® Itanium® 2 processors.

- 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).

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 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.)

Image Services 4.0 SP5 is designed for upgrades using an Oracle or Microsoft SQL Server RDBMS only.

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 HP Integrity Edition Enhancement Record (ER) Summary" on page 10** includes a list of enhancements featured in this release. These enhancements are described in more detail in the main section of this document.

Image Services 4.0 HP Integrity Edition Enhancement Record (ER) Summary

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

Certain Image Services 4.0 HP Integrity Edition 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.

ERs Implemented in Image Services 4.0 HP Integrity Edition

Enhancement Record	Description	See Page
161159, 179745, 161155 161401 161403	CFS-IS-mp Annotation Support	**12**
159374	Support Programmable Security Objects in IS Software	**13**
178932 177316	Extensible Password Support	**14**
172587	HP Itanium Support	**15**

ERs Implemented in Image Services 4.0 HP Integrity Edition, Continued

Enhancement Record	Description	See Page
182291 170418 139002 163742 139003	Support for addititonal controllers and adapters	**16**
149112	Support for the IBM DR 550 storage subsystem with the Tivoli Storage Manager (ISAR)	**16**
161163	Release German translated resource files	**17**
161165	Release French translated resource files	**18**
130244 130245 130246 130247	Support for the HP-UX 11i v2 operating system.	**19**
157697	License Tracking	**20**
178400	Support for a standardized ZIP utility on Windows	**20**
183992	Remove release notes from media and maintain on FileNet CSS Web site	**21**

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.

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.

Security

Programmable Security Objects (PSO)

Enhancement Record:159374

Implementation: All platforms

Programmable Security Objects provide the ability to change the standard FileNet software user name **fnsw**.

Important!   The task of changing any security object should be done with great caution. Before you actually change the fnsw user name, analyze your system, and if you can avoid changing this security object, do so.

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 HP Itanium edition.

Note   Due to database schema restrictions on DB2 and ORACLE, you must export all database tables through GDB_exim prior to executing fn_pso.

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 HP Integrity Servers

Enhancement Record: 172587

Implementation:Image Services for HP-UX on HP Integrity Servers

FileNet Image Services 4.0 HP Integrity Edition software runs on either Oracle9i RDBMS software or IBM DB2 Client software on Hewlett-Packard Integrity servers powered by Intel® Itanium® 2 processors.

At this time IS 4.0 HP Integrity Edition is supported only for new Image Services installations. If you wish to convert an existing IS system from HP 9000 servers to HP Integrity servers, please contact your FileNet representative.

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

HP-UX 11i v2

Support for Adapters and Controllers

Image Services 4.0 HP Itanium Edition release supports the following controllers and adapters:

- IBM1912 PCI-X Dual Channel Ultra320 LVD SCSI Controller ER 182291

- Paralan Ultrs320 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 HP Integrity Edition software 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

HP-UX 11i v2

Enhancement Records:13244, 130245, 130246, 130247

Implementation: Image Services for HP-UX for HP Integrity Servers

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

HP-UX 11i v2

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.

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 ia also packaged unchanged and called FNUNZIP.

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

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.