Release Content Description

Release 4.0 SP4

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About This Manual

Scope

This document describes the new features in FileNet Image Services (IS) 4.0 SP4 edition. Image Services 4.0 SP4 software is comprised of the following products:

- Image Services for AIX/6000
- Image Services for HP-UX
- 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:

Image Services Release 4.0.0 Content Description	9844093-001
Image Services Release 4.0 SP1 Content Description	9844106-001
Image Services Release 4.0 SP2 Content Description	9844118-001
Image Services Release 4.0 SP3 Content Description	9844126-001

Procedures, Guides, and Handbooks

The procedures, guides, and handbooks listed below contain additional material describing Release 4.0 SP4 features. These documents are included on the Image Services 4.0 SP4 software CD.

IS Index and WorkFlo Database Contents
IS System Administrator's Handbook
IS System Tools Reference Manual

Refer to the documentation CD released with Image Services 4.0.0 and documentation on the Image Services 4.0 SP1, SP2, SP3 and DB2 Edition software CDs for the latest versions of all other Image Services manuals.

The guide listed below describes the new features in Remote Admin Console for IS 4.0 (IS 4.0 SP4 edition). This document is included on the RAC software CD.

Remote Admin Console User's Guide

The guide listed below describes the new Content Federation Services for Image Services (CFS-IS). This document is included on the CFS-IS release 3.5.1 software CD.

FileNet P8 Content Federation Services for Image Services Guidelines.

The guide listed below describes the new Image Services Toolkit 4.0 (IS 4.0 SP4 edition). This document is included on the ISTK 4.0 (IS 4.0 SP4 edition) software CD.

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

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:

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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 SP4 includes the following features:

- Support for Records Manager as part of FileNet's overall records management solution.
- Support for VERITAS Cluster Server (VCS) and VERITAS Volume Replicator (VVR) providing consistent high availability support across P8 server-based products and provide a more consistent architecture for customers building high availability configurations.
- Support for VMWare providing the capability to run multiple separate operating system instances on a single server.
- The LDIF to XML utility converts from LDIF file format to the FileNet export file format

The **"Image Services 4.0 SP4 Enhancement Summary" on page 9** includes a list of enhancements included in Image Services 4.0 SP4. These enhancements are described in more detail in the main section of this document. Enhancement Records replace the Release Content Items (RCIs) and Software Enhancement Proposals (SEPs) used in previous releases.

Some features listed in this document will be post-qualified. Check the CSS web site for notification of successful qualification.

Image Services 4.0 SP4 Enhancement Summary

The following list summarizes the enhancements made to the FileNet Image Services software in this release. Enhancement Records are listed in numerical order.

Certain Image Services 4.0 SP4 enhancements may not be included in this list and/or documented in this Release Content Description. These enhancements generally fall in one of the following categories:

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

Enhancements Implemented in Image Services 4.0 SP4

Enhancement Number	Description	See Page
147206	Support Records Manager functionality.	12
147195	Support Image Services in a VMware environment.	20
145608	Translate an LDIF file into a FileNet XML file for LDAP import.	20
131038 131039 131040 131041	Support DB2 Universal Database (UDB) version 8.2.	22
131042 131043 131044 131045 131046 131047 131048 131049 131050	Support AIX version 5.3 Maintenance Level 2.	13
130562	Allow response to Storage Library RSVPs without operator intervention.	19
147235	Qualify Image Services 4.0 SP4 and Image Services Toolkit 4.0 (IS 4.0 SP4 edition) combinations.	21

Enhancements Implemented in Image Services 4.0 SP4, continued

Enhancement Number	Description	See Page
153731	Improved performance analysis: Enhanced Event Logging Abstract (ELA) counters. ELA codes changed to accommodate Visual Workflow Java (VWJ).	18
130582 130583 130584 130585 130586 130587 130588 130589	Support VERITAS Cluster Server and VERITAS Volume Replicator (post-qualification).	16

Enhancement Descriptions

Records Manager Functionality for FileNet P8

Enhancement Request:147206

SCRs: 233328, 233339, 233329, 232650, 233334, 232649, 233332, 233335, 234478, 234052, 233338

Image Services supports Records Manager functionality by interfacing with FileNet P8 via Content Federation Services for Image Services (CFS-IS).

IS SP4 supports the following records management functionality:

- Declaring a record (Lockdown) - IS can declare an IS document to be a record.
- Deleting a record - IS can delete a document that has been previously declared as a record. All references to the record are removed from the catalog entry and the locator database (the record can no longer be queried). All IS annotations associated with the record will be deleted and the record will be deleted from the cache.

Operating Systems

AIX

Enhancement Requests (for AIX 5L Version 5.3 for PE only):
131042, 131043, 131044, 131045, 131046
131047, 131048, 131049, 131050

SCR: 223126

Implementation: Image Services for AIX/6000

The following AIX releases are supported for the Image Services 4.0 SP4 release of Image Services for AIX/6000:

AIX 5L Version 5.1
AIX 5L Version 5.2 Maintenance Level 2
AIX 5L Version 5.3 Maintenance Level 2 (PE only)

Image Services 4.0 SP4 supports AIX 5.3 operating system for both 64bit and 32bit versions. However, this support is only for IS used in eProcess and PE configurations. IS 4.0 SP4 will not support the AIX 5.3 operating system for complete IS configurations.

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

Implementation: Image Services for HP-UX

The following HP-UX release is supported for the Image Services 4.0 SP4 release of Image Services for HP-UX:

HP-UX 11i

For the most up-to-date information on patch bundle 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

Implementation: Image Services for the Solaris Operating Environment

The following Solaris releases are supported for the Image Services 4.0 SP4 release of Image Services for the Solaris Operating Environment:

Solaris 8
Solaris 9

For the most up-to-date information on patch 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

Implementation: Image Services for Windows Server

The following Windows releases are supported for the Image Services 4.0 SP4 release of Image Services for Windows Server:

Windows 2000
Windows 2003

For the most up-to-date information on operating system service pack 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.

Performance

VERITAS Cluster Server and VERITAS Volume Replicator

Enhancement Requests: 130582, 130583, 130584, 130585, 130586, 130587, 130588, 130589

Implementation: All platforms to be post-qualified

VERITAS Cluster Server (VCS) provides high availability capability, allowing a hot standby server to take the place of the original server when it fails. IS will support VCS in an active/passive mode only. This means that only one instance of IS can run within a cluster.

VERITAS Volume Replicator (VVR) provides disaster recovery capability by replicating data sets on one data storage device to another data storage device, usually in a distant location. IS will store MSAR surface files, cache and MKF databases on the replicated storage device. Synchronous replication will be supported.

VERITAS Cluster Server version 4.0 and VERITAS Volume Replicator version 4.0 are supported. VCS is not supported with Image Services systems configured with optical libraries.

Supported Platforms

The VERITAS Cluster Server and VERITAS Volume Replicator are supported on the following platforms:

- AIX 5.1
- AIX 5.2 (ML3 and higher)
- Solaris 9
- HP-UX 11i
- Windows 2000
- Windows 2003 (32 bit only)

Supported Relational Database Systems

The VCS and VVR support the following RDBMSs:

- Oracle 9i v 9.2.0.6
- DB2 v8.1.7
- SQL Server 2000

Improvements in Performance Analysis

Enhancement Request: 153731

SCR: 240523, 240530

Implementation: Image Services for AIX/6000

Elacodes changed to accommodate Visual WorkFlow Java (VWJ)

Elacodes contain events for VWJ codes in the range 1-77. The Process Engine produces VWJ codes in the range 1-91. The VWJ event list was updated to accommodate this higher range. In addition, the VWJ event name generated by the Process Engine (PE) will be similar to the name generated in the performance report (perf_report). This is convenient when you want to compare the result of a PE trace file for Java and the performance monitor's (perf_mon) result.

Enhanced Event Logging Abstract (ELA) Counters

ELA has been enhanced to add minimum and maximum duration, size, and parameters. These counters are used to record the RPC durations and other user-defined events. The results are displayed by the eladisp program and perf_mon/perf_report programs. Previous versions of IS perf_report only displayed averages. These new counters display the min and max values since software restart time and the interval min and max within the performance monitoring sample period.

RSVP Message Triggering

Enhancement Requests: 130562

SCRs: 170024,170025, 170028, 170383, 170712, 170032, 170035, 170061, 170062, 170382, 170385,170381, 170387, 171068, 171076, 171077, 171432, 171433, 172059, 171431, 172062, 172064, 172065, 172086, 173019,172068, 172072, 172087,187302

Implementation: All platforms

In previous releases, whenever the Image Services software detected a situation requiring some level of human intervention, the software generated an RSVP message that displayed in the Storage Library Control window. The System Administrator was then required to monitor the Storage Library Control window and respond to each message. In addition to RSVP messages, informative messages which did not require a user response were displayed in the INFO messages area of the Storage Library Control window.

Message triggering improves administrative responsiveness for RSVP and INFO messages. Whenever the system generates an RSVP or INFO message, it will continue to be displayed in the Storage Library Control window. However, with message triggering, you can invoke a script or user-written program that can take specific actions in response to the RSVP message. For example, you can write a script that will notify the administrator or operator through email that an RSVP/INFO event has occurred.

Miscellaneous Enhancements

VMWare Support

Enhancement Request:147195

Implementation: Image Services for Windows Server

VMware provides the capability to run multiple separate operating system instances on a single server. In addition to multiple Image Services instances, VMware allows IS users to run FileNet P8 applications, such as CE and PE, that are not otherwise supported in the same server instance as IS.

VMWare is not supported with Image Services systems configured with optical libraries.

LDIF to XML Conversion Utility

Enhancement Request:145608

SCR: 219548

Implementation: Image Services for AIX/6000

The Lightweight Directory Interchange Format (LDIF) is an Internet standard file format for importing and exporting data from Lightweight Directory Access Protocol (LDAP) directories.

The LDIF to XML utility meets the need for a better performing export capability and increases the flexibility of the IS software. The utility translates LDIF files into FileNet proprietary XML format.

Image Services and IS Toolkit Support

Enhancement Requests: 147235

Implementation: All platforms

The Image Services Toolkit 4.0 (IS 4.0 SP4 edition) is a full release rather than a service pack. Installation instructions for the IS Toolkit 4.0 (IS 4.0 SP4 edition) software are provided in a readme file on the IS Toolkit media.

The following Image Services and IS Toolkit releases are supported together.

- Image Services 4.0 SP4 supports IS Toolkit 3.6.x, 4.0.0, 4.0 DB2 Edition, 4.0 SP2, 4.0.30 and 4.0 (IS 4.0 SP4 edition).
- IS Toolkit 4.0 (IS 4.0 SP4 edition) supports Image Services 3.6.x, 4.0.0, 4.0 DB2 Edition, 4.0 SP2, 4.0 SP3 and 4.0 SP4.

For the most up-to-date information on patch 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.

Support for DB2 Universal Database (UDB)

Enhancement Requests: 147235

Implementation: Image Services for AIX/6000

DB2 Universal Database (UDB) introduces the following features:

- Increasing developer productivity by making it possible to develop, test, and deploy applications faster and with more flexibility.
- Reducing deployment and management costs.
- Providing a robust infrastructure.

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