

IBM FileNet Image Services  
Version 4.2

*Release Notes*





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**Note**

Before using this information and the product it supports, read the information in "Notices" on page 13.

This edition applies to version 4.1.2 of IBM FileNet Image Services (product number 5724-R95) and to all subsequent releases and modifications until otherwise indicated in new editions.

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## Revision log

Date	Revision
05/13/11	Initial release of the Image Services 4.2 release notes document.

## Introduction

This release notes document provides information about IBM® FileNet® Image Services 4.2 and has the following major topics:

- **What's new** – Describes the new features in this release of Image Services.
- **Known issues** – Describes the known issues that are associated with this release of Image Services.
- **Image Services Toolkit**
  - What's new
  - Known limitations
- **Image Services Remote Admin Console**
  - What's new
  - Known limitations

## Accessing IBM FileNet documentation

To access IBM FileNet documentation:

1. Go to the Product Documentation for FileNet P8 Platform support page:  
(<http://www.ibm.com/support/docview.wss?rs=3247&uid=swg27010422>).
2. Select a PDF or a Doc Link, whichever is appropriate.

## Contacting customer support

To contact IBM FileNet customer support:

1. Go to the FileNet Product Family support page:  
<http://www-01.ibm.com/software/data/content-management/filenet-product-family/support.html>.
2. Select the product of interest.

## 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).

## What's new in Image Services 4.2

This section describes the new features in IBM FileNet Image Services 4.2.

### Installation and upgrade procedures

Separate installation and upgrade documents are available for each supported operating system.

The installation and upgrade program uses the InstallAnywhere wizard, instead of the InstallShield wizard as was used in previous releases.

### WPAR support on AIX 6.1 servers

FileNet Image Services is compatible with Workload Partitioning (WPAR) on AIX 6.1 servers. However, WPAR does not support the use of raw partitions. A fresh installation of Image Services in a WPAR environment must use file systems for the Image Services MKF databases. For more information, see the following section on MKF file systems.

### MKF file systems

IBM FileNet Image Services now supports either file systems or raw partitions for its multi-keyed file (MKF) databases on UNIX servers. File systems are the default for fresh installations.

Existing FileNet Image Services users can choose to continue using raw partitions as before, or migrate to file systems. After the current UNIX-based Image Services server has been upgraded to Image Services version 4.2, you can optionally convert the MKF databases from raw partitions to file systems.

FileNet Image Services continues to support raw partitions for the MKF databases, if you do not choose to migrate. FileNet Image Services has always used regular files for MKF databases on Windows servers.

### Advantages of file systems

File systems provide advantages over raw partitions.

- File systems do not require vendor-provided software, such as Veritas, to configure and manage the physical and logical volumes.
- File system maintenance requires less overhead than for raw partitions.

### Limitations

All MKF databases must be either raw partitions or file systems. You cannot use both raw partitions and file systems. After the MKF databases have been migrated to file systems, they cannot be reset to raw partitions. This limitation applies to all servers within the same Image Services domain.

For more information about this migration, see the *IBM FileNet Image Services MKF Database Migration from Raw Partitions to File Systems on UNIX Servers* document.



## Integral SDS - Consistent delete

The Integral Single Document Storage (SDS) Consistent delete feature is responsible for managing the criteria that the deletion mechanism uses to determine if an SDS document can be deleted. Integral SDS document deletion operates consistently whether from the deldocs tool or from IDM Desktop.

Activate Content Delete on the SDS unit in order for documents that are candidates for deletion to be deleted from the SDS device. Integral SDS - Consistent Delete is controlled by the following trigger file:

`/fnsw/local/trigger/consistent_delete_mask`

The following table lists the parameters that you can use in the `consistent_delete_mask` trigger file.

Trigger file parameters	Description
<b>check_docs</b>	Checks the MKF docs table to determine if the retention parameter settings indicate if a document can be deleted. Event-based retention (EBR) and virtual EBR documents cannot be deleted.  If the <code>consistent_delete_mask</code> trigger file does not exist, the deletion mechanism uses the <code>check_docs</code> logic by default.
<b>check_doctaba</b>	Checks the documents index database (doctaba) settings. A document will not be deleted if <code>f_deletedate</code> or <code>f_archivedate</code> is set to future dates. EBR and virtual EBR documents (which probably do not have <code>f_deletedate</code> dates) are not deleted from the MKF docs table, from doctaba, nor from the SDS device.
<b>check_obj</b>	Checks the object on the SDS device to determine if can be deleted. EBR and Virtual EBR documents cannot be deleted using this setting.
<b>off</b>	Turns off the Integral Single Document Storage (SDS) Consistent Delete feature.  Operates as Image Services previously operated: <ul style="list-style-type: none"> <li>• IDMDT deletes documents regardless of retention settings.</li> <li>• Deldocs enforces retention settings of SDS documents. <ul style="list-style-type: none"> <li>○ The deldocs "-i" flag overrides the retention settings that deldocs normally enforces.</li> </ul> </li> </ul>

When the trigger file uses more than one of the parameters, the affected document must meet the deletion criteria for each of the parameters before the document can be deleted. The settings should be entered in the trigger file on separate lines.

A newly created document that does not have any retention settings cannot be deleted for at least a day regardless of trigger file settings.

The presence of the trigger file and its contents are written to the view log when Image Services starts. An error is posted in the view log if a document cannot be consistently deleted.

For more information, see the *IBM FileNet Image Services Integral Single Document Storage and Retrieval Guidelines*.

## MSAR - synchronous read to cache

The Magnetic Storage and Retrieval (MSAR) Synchronous Read into Cache feature improves MSAR read performance by reading content from MSAR surface files directly, without swapping the surface files in a virtual drive. When an MSAR document is retrieved, the requested pages that are not in cache are read directly from MSAR into cache synchronously. If the MSAR surface is not mounted, Image Services attempts to read the document from the MSAR surface file based on the lib\_surfaces table location.

ISDS retrieval has priority over this feature so that high priority reads still go to SDS. Because they do not have entries in the MKF docs table, NLS documents do not have priority. Because they have no priority, NLS document will always retrieve synchronously from MSAR.

The Magnetic Storage and Retrieval (MSAR) Synchronous Read into Cache feature is controlled by the following trigger file:

```
/fnsw/local/trigger/MSAR_sync_threshold
```

- If the trigger file does not exist, the Magnetic Storage and Retrieval (MSAR) Synchronous Read into Cache feature is not enabled.
- The trigger files contains a document size threshold number (in bytes) to specify the document size threshold. The word "MAX" can be used in the trigger to specify the maximum value of 4 GB.
- If the trigger file exists but does not specify a document size threshold value, the document size threshold is set to the document buffer pool size.

Documents that are smaller than the threshold size setting are read synchronously. Documents that are larger than the threshold size setting are read after the MSAR surface is loaded into a virtual drive.

For more information, see the *IBM FileNet Image Services MSAR Procedures and Guidelines*.

## US Federal Information Processing Standard 140-2

The US Federal Information Processing Standard 140-2 (FIPS 140-2) is a validation program that defines security standards for validating cryptographic modules that encrypt user credentials (user name and password) between servers. FileNet Image Services supports FIPS for those customers who are required to use it by government agencies. FIPS is optional for others.

### Tivoli GSKit 8

**Important** FileNet Image Services supports FIPS on AIX, Solaris, and Window servers. FileNet Image Services does not support FIPS on HP-UX because Tivoli GSKit 8 does not support PA-RISC nor 32-bit applications on IA64.

The Tivoli GSKit libraries are installed automatically when you install the FileNet Image Services or FileNet Image Services Toolkit software.

For more information, see the *IBM FileNet Image Services System Administrator's Handbook*.

## Long password support

Password length has been expanded from an 8 character maximum to a 63 character maximum.

## Common logging - Improved error messages

Many Image Services error messages have been improved and clarified to conform to IBM External Diagnostic requirements.

To review the updated error messages, see the *IBM FileNet Image Services System Messages Handbook*.

## Known issues

This section describes:

- Independent software vendor issues that are related to Image Services
- Other supported IBM of FileNet application issues related to Image Services
- Image Services-specific known issues

## Windows only

### Localization

The following issues occur when a Windows server is configured to use either a Japanese or Korean character set.

### Installation

Typically, users can choose their own root path for the Image Services software installation. The final installation paths are:

- *user\_defined\_root\_path*\fnsw for the FNSW directory
- *user\_defined\_root\_path*\fnsw\_loc for the FNSW\_LOC directory

However, if the Windows server uses a Japanese or Korean character set and the user-defined root path contains Japanese or Korean characters, then the Image Services installation program “Hardware Checks” panel does not display the FNSW and FNSW\_LOC paths correctly.

This is only a display issue; the installation works correctly.

### Hotkey display

Incorrect hotkeys display in the Security Administration panel when:

- Adding a user
- Adding a group
- Deleting a database logon
- Deleting a user

Incorrect hotkey underline position displays in the:

- Build Menu dialog box
- Define User Indexes dialog box
- Task Manager (when restoring a service)

### COLD

COLD log file names are truncated when they are viewed using Xcold\_log.

## **Fresh installation on a Windows 2008 cluster**

By default, Windows 2008 Microsoft Cluster software names a cluster shared drive with the cluster resource name that begins with "Cluster Disk." This naming convention causes the Image Services 4.2 installation program to not recognize the shared disk.

To avoid this situation, see the [Fresh Installation on a Windows 2008 Cluster](#) technote.

## **Installation**

### **Upgrades**

The perm\_db block size must have a minimum setting of 8 KB when upgrading to Image Services 4.2 from Image Services 4.0.50, 4.1.1 or 4.1.2.

### **InstallAnywhere wizard**

The Print to file option in the Software License Agreement panel does not create a file.

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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.









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