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IBM FileNet P8

Determining Version and Fix Pack Levels

Technical Notice

Version 2.0

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Revision Log

Version	Date	History
1.0	6/6/2008	This is the original version of the document.
1.1	6/30/2008	Added the following: <ul style="list-style-type: none">• The revision log• A link to the P8 Compatibility Matrices• A sample table for tracking build levels and fix pack levels
2.0	12/31/2008	Added information for the P8 4.5 releases and IBM FileNet Services for Lotus Quickr 1.0. Minor editorial changes.

Contents

BEFORE YOU BEGIN	5
OVERVIEW OF IBM FILENET P8 UPDATE SUPPORT PACKAGES	7
OVERVIEW OF THE SUPPORT PACKAGES	8
INTRODUCTION	8
PURPOSE OR ROLE OF THE SUPPORT PACKAGES	8
NAMING CONVENTION	9
INSTALLATION RULES	10
UNINSTALLING	11
DETERMINING P8 PRODUCT VERSION AND FIX PACK LEVELS	13
IBM FILENET P8 PLATFORM	14
APPLICATION ENGINE AND WORKPLACE	14
WORKPLACE XT	15
WORKPLACE APPLICATION INTEGRATION, WORKPLACE XT APPLICATION INTEGRATION, AND WORKPLACE XT APPLICATION INTEGRATION BCS	17
IMAGE (DAEJA) VIEWER	21
CONTENT ENGINE	22
IBM FILENET CONFIGURATION MANAGER	24
CONTENT SEARCH ENGINE	26
CONTENT ENGINE ENTERPRISE MANAGER	28
PROCESS ENGINE	30
IBM FILENET DEPLOYMENT MANAGER	32
IBM FILENET P8 ADD-ONS	34
RECORDS MANAGER	34
BUSINESS ACTIVITY MONITOR	36
BUSINESS PROCESS FRAMEWORK	38
PROCESS ANALYZER	40
PROCESS SIMULATOR	42
IBM ENTERPRISE CONTENT MANAGEMENT WIDGETS	43
EMAIL MANAGER	44
RECORDS CRAWLER	46
IBM FILENET eFORMS	47
eFORMS	47
eFORMS DESIGNER	48
IBM FILENET CAPTURE, PRINT AND FAX	49
CAPTURE	49
IBM FILENET P8 CONTENT FEDERATION SERVICES	52
CONTENT FEDERATION SERVICES	52
IBM FILENET P8 IMAGE SERVICES	53
IMAGE SERVICES	53

IMAGES SERVICES AND P8	55
CONNECTORS	56
IBM FILENET CONNECTOR FOR SHAREPOINT	56
IBM FILENET SERVICES FOR LOTUS QUICKR	58
P8 COMPATIBILITY MATRIX	61
INTERPRETING THE P8 COMPATIBILITY MATRIX	62
THE PURPOSE OF THE MATRIX	62
USING THE P8 COMPATIBILITY MATRIX	65
STEP-BY-STEP PROCEDURE	65
UPDATE PACKAGE INSTALLATION SEQUENCE	69
OVERVIEW	70
PLANNING AND TRACKING THE INSTALLATION	73

Before You Begin

Overview

This Technical Notice provides information on

- The different types of software packages available for IBM FileNet P8 components.
- Determining the software level of the P8 components installed in an environment.
- Reading the P8 patch compatibility matrix to determine any dependencies between P8 components.
- Developing a plan for updating an environment with the latest updates to the P8 components.

Abstract






The IBM FileNet P8 suite of products provides customers with a series of plug-and-play capabilities. Each product utilizes a subset of the components within the suite. Some of the components are used in all the products; others are unique to a specific product. Updates to the components are released on independent schedules. It is important to understand the relationships between the components and how to ensure that as environments are updated, updates are applied to all appropriate components so that the products can continue to function correctly. This Technical Notice provides the tools you require to understand the types of software packages that are released, the relationship between components, and how to identify the level of P8 software that is currently installed in an environment.

Introduction

This Technical Notice is directed at support personnel responsible for the maintenance of P8 environments. Using the information provided in this document, support personnel can determine the levels of P8 software installed at a site, identify if more current software is available and if it is appropriate to install this software. Then, using the gathered information, develop an appropriate plan for downloading all the appropriate software and updating the site.

Conventions

The following documentation conventions are used to assist in performing various tasks:

Convention	Explanation
Bold	<p>Words that appear in boldface represent menu options, buttons, icons, or any object you click to cause the software to perform a task.</p> <p>This typeface also represents anything that you must type or enter.</p>
<i>italics</i>	<p>In addition to book titles, italics are used to emphasize certain words, especially new terms when they are first introduced.</p>
	<p>This icon tells you information that may not be necessary to complete a step, but is helpful or good to know.</p>
	<p>This symbol calls attention to a particular step or command. For example, advising you to type a command carefully due to command case sensitivity.</p>
	<p>This icon tells you when a particular workaround has been found and you as the user can fix the problem by completing the associated troubleshooting information.</p>
 <p>Reference</p>	<p>The reference provides conceptual information and background knowledge.</p>
 <p>Step-By-Step</p>	<p>These are the detailed steps for performing the desired work.</p>

Chapter 1

Overview of IBM FileNet P8 Update Support Packages

This chapter provides an overview of the different maintenance packages that are released for components that comprise the P8 suite of products and an overview of how each type of package is installed. Maintenance packages are posted to the IBM web support site.

Chapter Contents

This chapter contains the following topics:

Topics	Page
Introduction	8
Purpose or role of the support packages	8
Naming convention	9
Installation rules	10
Uninstalling	11

Overview of the Support Packages

Introduction

In response to issues raised by customers and to make new features available, IBM releases a variety of support packages via the IBM web support site:

- Mod Releases
- Fix Packs
- Interim Fixes
- Test Fixes

The type and quantity of changes incorporated in each package vary, as do the installation requirements.

Each package is released with a readme that provides

- Information on the content of the package.
- Installation instructions.
- Other information that might be relevant to the use of the package.

Purpose or role of the support packages

Mod Release

A mod release provides a small set of new features as well as resolutions to customer issues. The mod release provides a roll-up of fixes that have been made available in previous update packages as well as fixes that are being released for the first time.

Previously mod releases were referred to as *Service Packs*.

Depending on which component a mod release is for, the mod release might be posted on the IBM software download page or on the IBM support site.

Fix Pack

A fix pack provides a roll-up of APAR resolutions that were previously provided as interim fixes, test fixes or in a previous fix pack, as well as fixes not previously released.

Interim Release

An interim release provides the resolution to a small number of APARs, usually one, that are likely to be needed by multiple customers.

Test Fix

A test fix provides the resolution to a small number of APARs, usually one, that are required by a specific customer. Test fix packages are posted to a special web site and are password protected.

Interim fix and test fix packages are similar, the primary difference being the size of the target audience for the package.

Naming convention

Mod Release

Mod releases are identified by the third digit in the release level.

Examples:

- 4.0.1 indicates that this package is the first mod release for the 4.0 software level.
- 4.0.3 indicates that this package is the third mod release for the 4.0 software level.

Fix Pack

Fix packs are identified by the notation *-xyz* after the release number. Where *xyz* identifies the number of the fix pack.

Examples:

- P8RM-3.5.1-004 indicates that this is the fourth fix pack released for the Records Manager 3.5.1 release. The fix pack contains new APAR resolutions as well as all the APAR resolutions that were provided in fix packs -001, -002, and -003.
- P8CE-4.0.1-002 indicates that this is the second fix pack released for the Content Engine 4.0.1 release. The fix pack contains new APAR resolutions as well as all the APAR resolutions that were provided in fix pack -001.

Interim Fix

Interim fixes are identified by the notation *.xyz* after the fix pack number. Where *xyz* identifies the number of the interim fix.

Examples:

- P8RM-3.5.1-004.001 indicates that this is the first interim fix released for the Records Manager 3.5.1, fix pack 4 release.
- P8PE-4.0.2-002.003 indicates that this is the third interim fix released for the Process Engine 4.0.2, fix pack 2 release.

Test Fix

Test fixes are identified by the notation *-Ixyz* after the release number. Where *Ixyz* identifies the number of the test fix. The test fix package name does not provide any information regarding the level of fix pack package that must be installed prior to installing the test fix. Any installation prerequisites for this type of package are documented in the package readme.

Examples:

- P8AE-3.5.1-1000 indicates that this is the first test fix released for the Application Engine 3.5.1 product.
- P8CSE-4.0.0-1004 indicates that this is the fifth test fix released for the Content Search Engine 4.0.0 product.

Installation rules

Mod Release

Mod releases are cumulative packages; that is, they are a roll-up of everything that has previously been released. Mod releases contain full installers, and therefore they can be installed on a system that has no previous version of the software installed, as well as being installed on top of

- The base product release; for example, PE 4.0.3 can be installed on top of PE 4.0.0.
- A patched product release; for example, PE 4.0.3 can be installed on top of P8PE 4.0.2-001.002
- A previously released mod release; for example, PE 4.0.3 can be installed on top of PE 4.0.1.
- An earlier release of the product; for example, PE 4.0.3 can be installed on top of PE 3.5.3.

Mod releases can be skipped; for example, if three mod releases have been released, you do not need to install mod release 1 and mod release 2 prior to installing mod release 3.

Note: Always refer to the product release notes and to the *IBM FileNet P8 Hardware and Software Requirements* to determine if there are specific prerequisites that must be met prior to installing the mod release.

Fix Pack

Fix packs are cumulative packages, that is, they are a roll-up of everything that has been previously released in a fix pack for the product version indicated in the fix pack name. As a result, a fix pack can be installed on top of the release level identified by the middle node of the name or on top of any earlier fix pack.

Examples:

- P8RM-3.5.1-004 can be installed on top of the RM 3.5.1 base release or on top of any of the previously released RM 3.5.1 fix packs, interim fixes, or test fixes.

- P8RM-4.0.0-002 can be installed on top of the RM 4.0.0 base release or on top of any of the previously released RM 4.0.0 fix packs, interim fixes, or test fixes.

Interim Fix

Interim fixes are not usually cumulative; instead they contain files that must be manually copied to the appropriate locations. The name of the interim fix indicates the specific software level to which the fix must be applied.

Examples:

- P8RM-3.5.1-004.001 must be installed on top of Records Manager 3.5.1 to which fix pack four has already been applied.
- P8RM-3.5.0-002.002 must be installed on top of Records Manager 3.5.0 to which fix pack two has already been applied. If the fix provided in Interim Fix 1 is needed, then it must be installed separately. The order of installing the interim fixes is not usually important; however, it is important to check the readmes to ensure that there is not a dependency between the interim fixes.

Test Fixes

Test fixes are not cumulative. Like interim fixes, test fixes contain files that must be manually copied to the appropriate locations. They are built to solve a specific customer issue and are compiled specifically for that customer's environment. Any underlying software prerequisites are documented in the readme that is provided with the test fix.



Caution: Before upgrading an environment that has been updated with a test fix, check the readme of the newer software update package to ensure that the package contains the fix that was originally provided in the test fix. If the test fix is not explicitly listed, check with IBM customer support for information on when the test fix will be made generally available, and, if necessary, request that a new version of the test fix be generated that is compatible with the newer software update package.

Uninstalling

Software updates cannot be uninstalled independently or separately from uninstalling the associated product component.

The exception to this rule is that test fixes and interim fixes that are installed by manually copying files, can be “uninstalled” by copying the older versions of the files over the newer versions of the files, and by completing any other steps laid out in the readme associated with the test fix or interim fix.

Chapter 2

Determining P8 Product Version and Fix Pack Levels

This chapter provides procedures for determining the build level of the P8 components that are installed on a system. Using the build information and the P8 compatibility matrix it is then possible to determine what fix packs and interim fixes are installed on a system.

The information in this chapter is organized to match the order of the fix pack information posted on the IBM support site.



This section provides details of the build naming convention for the P8 components. Currently the source code for many of the components is being moved to a new source control system. This migration affects the build naming conventions. In the future, build names will use the following convention:

```
<component id><release id>_<date of build>.<build number>
```

If a component is built more than once on a single day, then the build number is incremented by 1 for each rebuild.

Chapter Contents

This chapter contains the following topics:

Topics	Page
IBM FileNet P8 Platform	14
IBM FileNet P8 Add-Ons	34
IBM FileNet Capture, Print and Fax	49
IBM FileNet P8 Content Federation Services	52
IBM FileNet P8 Image Services	53
Connectors	56

Application Engine and Workplace

Application Engine (AE) and Workplace can be considered synonymous as Workplace is the out-of-the-box application that ships with the Application Engine. Application Engine and Workplace are always at the same level and are both updated using an AE fix pack.

AE build information takes the form *perabc.xyz*, where *abc* maps to a specific release level, and *xyz* is the build number.

AE software update packages use the prefix P8AE.

Determining the AE Version Level

1. Log on to Workplace.
2. Right-click anywhere on a blank part of the screen.
3. Select **View Source** from the menu.
4. Review the displayed information for the build information.

Example

```
<html>
  <head>
    <base href='http://hqdemol:9080/Workplace/'>
    <title>Sign In</title>
    <link rel='stylesheet'
href='http://hqdemol:9080/Workplace/css/Wcm.css' type='text/css'>
    <script>
      var baseURL = "http://hqdemol:9080/Workplace";
    </script>
    <script
src='http://hqdemol:9080/Workplace/js/Wcm.js'></script>
    <meta http-equiv="Content-Type" content="text/html;
      charset=UTF-8">
    <meta name='BuildName' content='per410.041'>
    <meta name='BuildDate' content='09/12/2007'>
    <meta name='Copyright' content='© Copyright IBM Corp. 2002,
2007. All Rights Reserved.'>
```

The sample display shows the build information highlighted (*per410.041*). This build equates to fix pack P8AE-4.0.1-002.

Workplace XT

Workplace XT software updates are always distributed as full installers and can be used either to do an initial installation of Workplace XT or to upgrade an existing installation.

Workplace XT uses the following naming convention for fix packs which differs from the other P8 components:

Workplace XT <4-digit release identifier>-WPXT-xxn

Where

- *xx* defines the type of software package:

Acronym	Meaning
FP	Fix Pack
IF	Interim Fix
TF	Test Fix

- *n* is the number of the package.

Examples:

- 1.1.0.3-WPXT-FP003 is the third fix pack for the 1.1.0 release of Workplace XT.
- 1.1.0.3-P8XT-IF001 is the first interim fix for Workplace XT 1.1.0 release fix pack 3.

WP XT build information takes the form *orionabc.xyz*, where *abc* maps to a specific release level, and *xyz* is the build number.

Determining the Workplace XT Version Level

1. Access the Workplace XT log on screen.
2. Right-click anywhere on a blank part of the screen.
3. Select **View Source** from the menu.
4. Review the displayed information for the build information.

Example

```
<html>
  <head>
    <title>IBM FileNet Workplace XT Log in</title>
    <base href="http://hq-rosie02:9080/WorkplaceXT/">
    <link rel="stylesheet" href="css/Application.css">
    <link rel="stylesheet" href="css/ltr.css" id="css_ltr" />
    <script src="scripts/Util.js" type="text/javascript"></script>
    <meta http-equiv="Content-Type" content="text/html;
      charset=UTF-8">
    <meta name="BuildName" content="orion110.007a">
    <meta name="BuildDate" content="04/08/2008">
    <meta name="Copyright" content="© Copyright IBM Corp. 2002,
      2008. All Rights Reserved.">
```

The sample display shows the build information highlighted (*orion110.007a*). This build equates to fix pack Workplace XT 1.1.1.3-WPXT-FP003.

Workplace Application Integration, Workplace XT Application Integration, and Workplace XT Application Integration BCS

Application Integration is a desktop application that integrates with Microsoft® Office applications and can be used to add and update information stored in an object store. Both Application Engine and Workplace XT ship with versions of Application Integration.

Workplace XT ships with two versions of Application Integration:

- Application Integration which supports Microsoft® Office 2003.
- Application Integration BCS which supports Microsoft Office 2007.

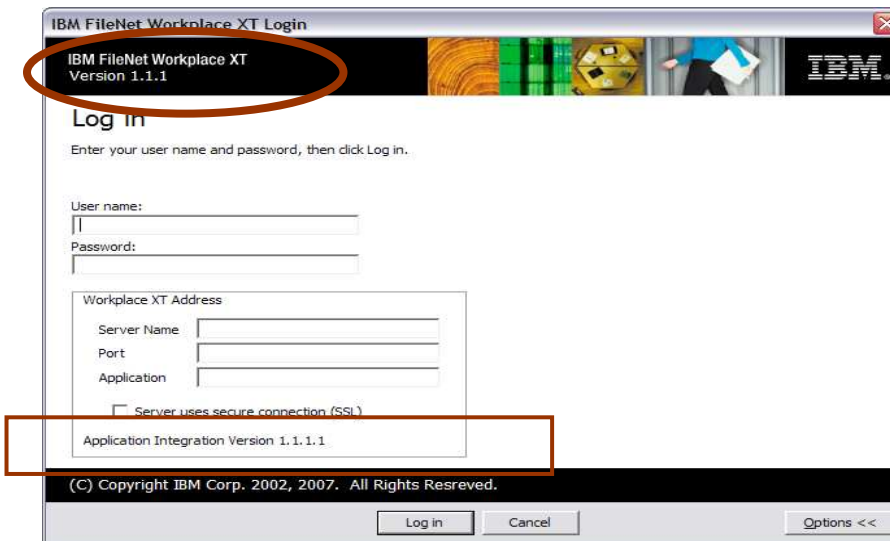
Any updates to Application Integration are included with the Application Engine and Workplace XT update packages.

Determining the Application Integration Level

The version of Application Integration that is installed on a system can be determined in either of the following ways:

- Initiate Application Integration from within a Microsoft Office application. The version information is displayed on the P8 login screen.

Example 1



In the example, the Application Integration version is 1.1.1.1 and it was released with Workplace XT version 1.1.1.

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Example 2

FileNet P8 Login

FILENET®
Workplace Application Integration

Name:

Password:

Workplace Address:

Server Name:

Port:

Application:

Server uses secure connection (SSL)

Application Integration Version 4.0.0 : HotFixPack (2)

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OK Cancel Options <<

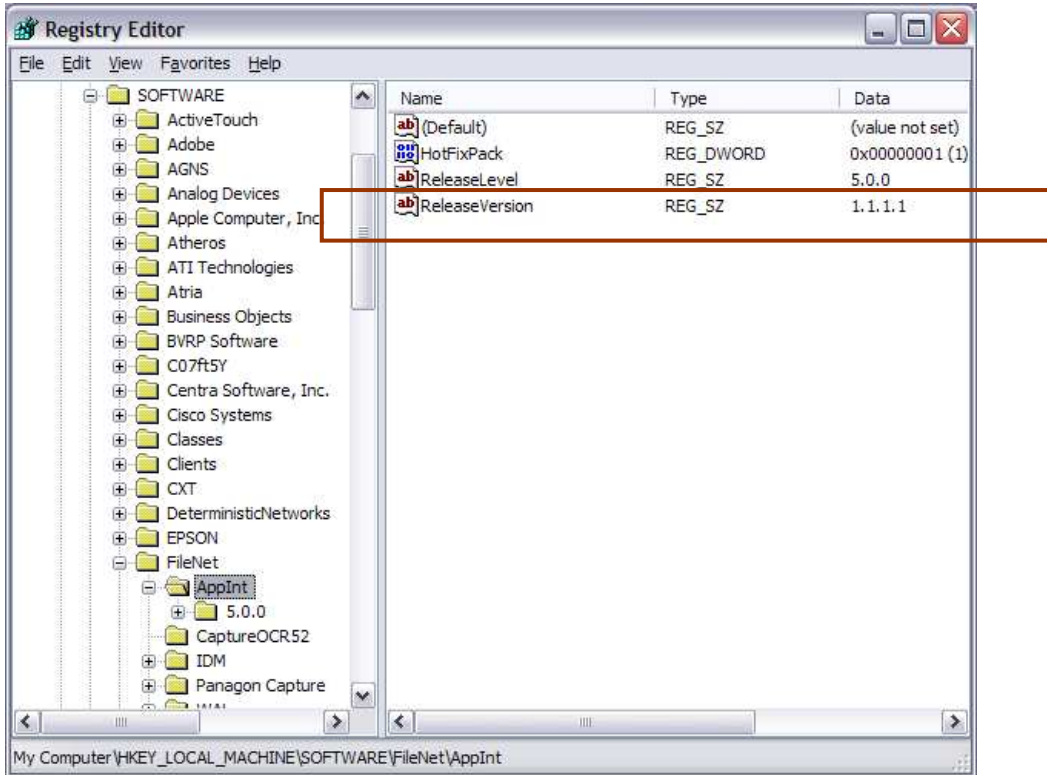
In this example, the Application Integration version is 4.0.0-002 and it was released with Workplace (the Application Engine).

- Access the Windows Registry. The version is provided in the following key:

HKEY_LOCAL_MACHINE\Software\FileNet\AppInt

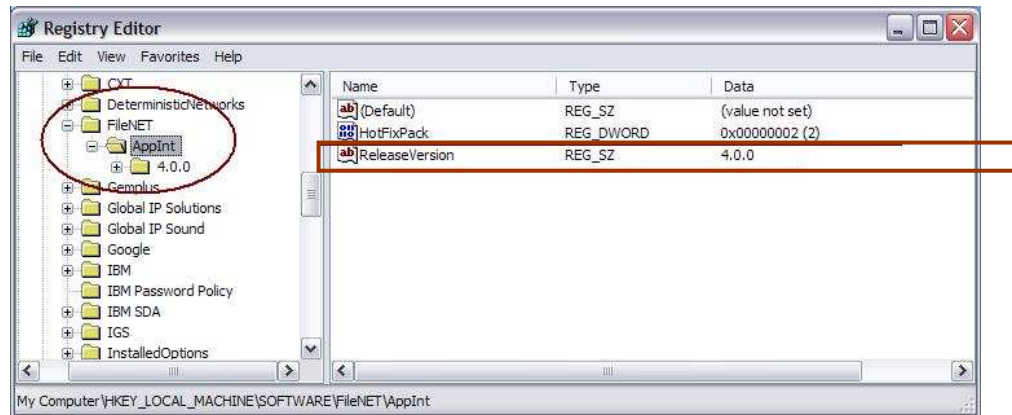
The release numbering scheme indicates whether the installed software is for use with Workplace XT or Workplace.

Example 1



In this example, the Application Integration version is 1.1.1.1 which indicates that it shipped with Workplace XT.

Example 2



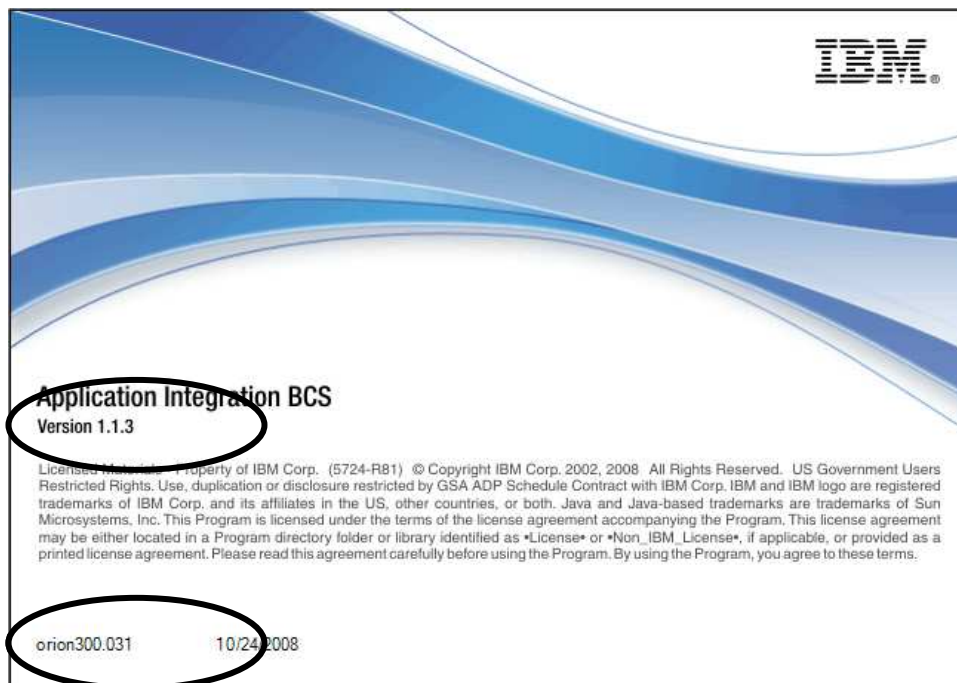
In this example, the Application Integration version is 4.0.0 and it was released with Workplace (the Application Engine).

Determining the Version of Application Integration BCS

1. Initiate Microsoft Office 2007.
2. Select the **IBM ECM** tab in the ribbon bar.
3. Click **Help**.

The version and build information is displayed on the Help screen.

Example



In the example, the Application Integration BCS version is 1.1.3 and the build is orion300.031. This build equates to the initial release of Application Integration BCS.

Image (Daeja) Viewer

The image viewer ships with a number of different products. Updates are shipped as part of the individual product update packages and are not synchronized across products.

The level of the viewer shipped with each update package is identified as follows:

1. For Workplace fix packs, the image viewer level is included in the fix pack *version.txt* file.
2. For Workplace XT fix packs, the image viewer level is included in the fix pack readme.
3. For Open Client, the image viewer level is included in the fix pack readme.

Determining the Image Viewer Level

1. Open the viewer; for example, in Workplace or Workplace XT, open a TIFF document to initiate the viewer.
2. Right-click anywhere on the image.
3. Select **Help > About FileNet Image Viewer** or **Help > About FileNet JavaView**

Example



Content Engine

Content Engine build information takes the form `dapabc.xyz`, where `abc` maps to a specific release level, and `xyz` is the build number.

Content Engine software update packages use the prefix P8CE.

Determining the Content Engine Level

From a browser enter the following URL:

`http://<content_engine_server>:<port number>/FileNet/Engine`

Where:

- `<content_engine_server>` is the name of the machine hosting the Content Engine Application Server.
- `<port_number>` is the port on which the Content Engine Application Server is running.

For example, `http://hqdemo1:9080/FileNet/Engine`.

The resulting display provides the Content Engine build information (on the Startup Message row) as well as other useful information about the Content Engine environment.

Example

Key	Value
JDBC Driver	Microsoft SQL Server 2005 JDBC Driver 1.1.1501.101
Working Directory	C:\Program Files\IBM\WebSphere\AppServer\profiles\AppSrv01
JVM	IBM Corporation 2.3
J2EEUtil	com.filenet.apiimpl.util.J2EEUtilWS
Startup Message	P8 CEMP Startup: 4.0 dap435.032 Copyright IBM Corp. 2003, 2008 All rights reserved on server1
Start Time	Thu Apr 03 13:44:13 PDT 2008
Server Instance{s}	server1 {server1}
PCH	4.0.1.004 pch420.004

Listener	
Process Engine	4.0.1.0 pui410.010
Operating System	Windows Server 2003 5.2 build 3790 Service Pack 1
Classpath	C:\Program Files\IBM\WebSphere\AppServer \profiles\AppSrv01/properties; C:/Program Files/IBM/WebSphere/AppServer/properties; C:/Program Files/IBM/WebSphere/AppServer /lib/startup.jar; C:/Program Files/IBM/WebSphere/AppServer /lib/bootstrap.jar; C:/Program Files/IBM/WebSphere/AppServer /lib/j2ee.jar; C:/Program Files/IBM/WebSphere/AppServer /lib/lmproxy.jar; C:/Program Files/IBM/WebSphere/AppServer /lib/urlprotocols.jar; C:/Program Files/IBM/WebSphere/AppServer /deploytool/itp/batchboot.jar; C:/Program Files/IBM/WebSphere/AppServer /deploytool/itp/batch2.jar; C:/Program Files/IBM/WebSphere/AppServer /java/lib/tools.jar
P8 Domain	FNCEDomain

The sample display shows the build information highlighted (*dap435.032*). This build equates to fix pack PECE-4.0.1-002.

IBM FileNet Configuration Manager

IBM FileNet Configuration Manager is a tool that can be used to simplify the installation and configuration of P8 components.

The build information takes the form *cmabc.xyz*, where *abc* maps to a specific release level, and *xyz* is the build number.

Determining the IBM FileNet Configuration Manager Version Level

There are two methods for determining the version level:

- Method 1: Review the Help About information provided in the Configuration Manager tool.
- Method 2: Review the information in the manifest.mf file.

Method 1: Review the Help About information provided in the Configuration Manager tool

1. Launch the Configuration Manager application.
2. Click on the **Help > About IBM FileNet Configuration Manager** menu item and review the version and build information in the resulting pop-up window.

Example:



The sample display shows the version (4.5) and the build (cm440.243) information highlighted. This build equates to the base 4.5 release of the Configuration Manager.

Method 2: Review the information in the manifest.mf file

1. Navigate to either the **cetask.jar** or the **configurationmanager.jar** file. The .jar files are located the following directory:

```
<Content Engine installation directory>\tools\configure\lib
```
2. Open either jar file using WinZip or equivalent tool.

1. Find the file *Manifest.mf* and open it.
2. The version information is provided by the cm build level.

Example

```
Manifest-Version: 1.0
Ant-Version: Apache Ant 1.6.5
Created-By: 1.5.0_06-b05 (Sun Microsystems Inc.)
Specification-Title: P8 Configuration Manager
Specification-Version: 4.5
Specification-Vendor: IBM Corporation
Implementation-Title: P8 Configuration Manager
Implementation-Version: cm440.243
Implementation-Vendor: IBM Corporation
Build-Date: 2008.October.10 04:36:26 PM
Copyright: Copyright IBM Corp. 2003, 2008 All rights reserved
```

The sample display shows the build information highlighted (*cm440.243*). This build equates to the base 4.5 release of the Configuration Manager.

Content Search Engine

The Content Search Engine (CSE) is an OEM version of the Autonomy Verity K2 server.

Content Search Engine software update packages use the prefix P8CSE.

Determining the Content Search Engine Level Prior to P8 4.5.0

1. On the Verity server, go to C:\Program Files\FileNet\ContentEngine\verity\patches
2. Open the file called K2TK_patchLog.txt and look for information similar to the following:

```
CurrentInstalledPatch=SP1P1
```

```
PreviousInstalledPatch=SP1
```

The SPx values correspond to a part in the CSE fix pack installer name. The following table relates CE fix pack level, CSE fix pack level, and the Verity level and label as they appear in the K2TK_patchLog.txt file

Content Engine Level	CSE Level	Verity level	Label in the <i>K2TK_patchLog.txt</i> File
4.0.0	4.0.0	6.1.1	n/a
4.0.0-001	4.0.1	6.1.2	SP1
4.0.0-002	4.0.1-001	6.1.2 P1 or 6.1.2.1	SP1P1
4.0.1	4.0.1-002	6.1.2 P3 or 6.1.2.3	SP1P3

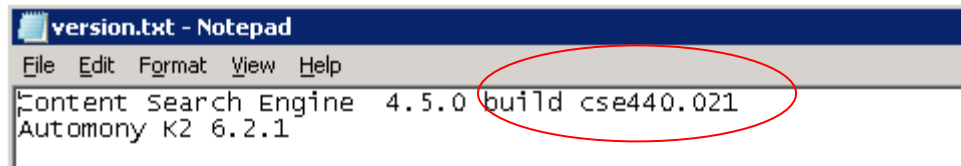
Examples

- SP1P1 equates to P8CSE-4.0.1-001
- SP1P3 equates to P8CSE-4.0.1-002

Determining the P8 4.5.0 and Later Content Search Engine Levels

1. On the Verity server, go to C:\Program Files\FileNet\ContentEngine\verity
2. Open the file version.txt. The file provides the Content Search engine build number in the form *cseabc.xyz* and the Autonomy Verity K2 server level.

Example



```
version.txt - Notepad
File Edit Format View Help
Content Search Engine 4.5.0 build cse440.021
Autonomy K2 6.2.1
```

The sample display shows the build information highlighted (cse440.021) and the Autonomy K2 server level (6.2.1). This build equates to the P8 4.5.0 release of the Content Search Engine.

Content Engine Enterprise Manager

The Content Engine Enterprise Manager is packaged with the Content Engine and is built as part of the Content Engine, as a result, the build information takes the form *dapabc.xyz*, where *abc* maps to a specific release level, and *xyz* is the build number.

If the Enterprise Manager is colocated with the Content Engine Server, the build information is updated when a Content Engine update package is installed. If the Enterprise Manager is not colocated with the Content Engine Server, the build information is updated when a Content Engine client update package is installed.

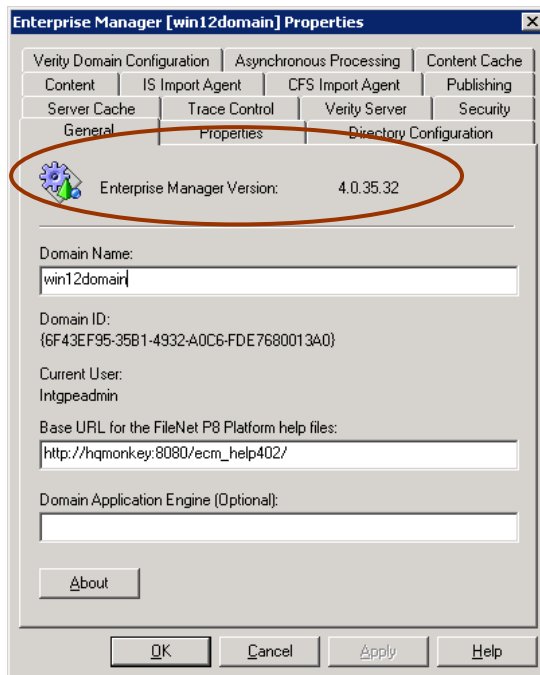
Content Engine software update packages use the prefix P8CE.

Determining the Content Engine Enterprise Manager Level

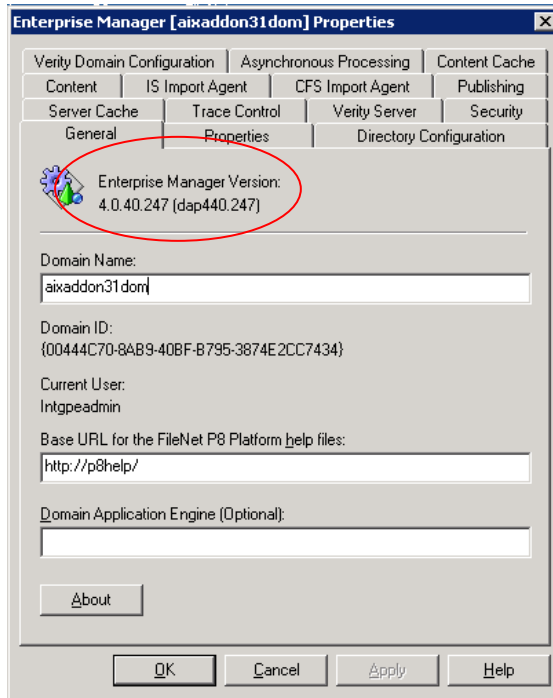
1. Launch the application.
2. Right-click on the root node in the left panel.
3. Select **Properties**.

Version information is displayed on the General tab. For releases prior to P8 4.5.0, the first two nodes provide the major release level for the software and the last two nodes of the version information provide the build level for the software. For P8 4.5.0 and later releases, the *dapabc.xyc* form of the build information is also provided.

Examples



The sample display shows the build information highlighted (4.0.35.32). This build equates to *dap435.032* which in turn maps to P8CE-4.0.1-002.



The sample display shows the build information highlighted (dap440.247). This build equates to the base P8 4.5.0 release.

Process Engine

The Process Engine consists of a client component and a server component. The build information takes the form

- *peabc.xyz* for the server where *abc* maps to a specific release level, and *xyz* is the build number.
- *puiabc.xyz* for the client where *abc* maps to a specific release level, and *xyz* is the build number.

The Process Engine client component consists of a number of files, as well as a jar file called *pe.jar*. This jar file is present on the Process Engine server and must also be present on any servers running applications that communicate with the Process Engine. If a server is hosting multiple applications, there might be multiple instances of the *pe.jar* file on the server.

Under most circumstances, the version of all *pe.jar* files on each Process Engine server and client server in an environment must be identical. Occasionally, if an interim fix is released that affects only the client environments, the version levels might not match.

Process Engine software update packages use the prefix P8PE.

Determining the Process Engine Level

1. On each server, search for the *pe.jar* file.

Note that there might be multiple copies of the jar file on each machine and that you must check each one.

2. Open the *pe.jar* using WinZip or equivalent tool.
3. Find the file *pe-ver.properties* and open it.

The version information is provided by the *pui* build level.

Example

```
#Copyright © 2001-2007 FileNet Corporation. All rights reserved
FileNet Corporation. All rights reserved.
```

```
#Fri Sep 07 11:34:03 PDT 2007
buildMachine=CMBUILD07
buildTime=09/07/2007 11\:34\:03
SpecialBuild=Release 4.0.2, pui420.xxx
buildPrd=Process Engine
buildDateMask=MM/dd/yyyy HH\:mm\:ss
buildVersion=4.0.2.0
buildLine=pui420.056
BuiltWithJDK=1.4.2_10
```

The sample display shows the build information highlighted (*pui420.056*). This build equates to fix pack P8PE-4.0.0-004.

Additional Information

For more detailed information on the files installed on a Process Engine server, use the PE version tool (vwtool). Documentation on running vwtool is provided at ftp://ftp.software.ibm.com/software/data/cm/filenet/docs/p8doc/40x/p8_version_tools.pdf

When using vwtool, the output displays the Process Engine level, and if applicable, also displays the build information for the Process Engine client and the Content Engine that were last accessed.

IBM FileNet Deployment Manager

The IBM FileNet Deployment Manager is a new tool made available with P8 4.5.0. The version information contains:

- A version number in the form *Version Revision.Mod level Fix pack*, for example: 4.5.0.0.
- A build identifier in the form *depabc.yyyymmdd*, where *abc* maps to a specific release level, and *yyymmdd* is the date that the build occurred; for example, dep440.20081010.

Determining the Deployment Manager Version Information

There are two methods for determining the version level:

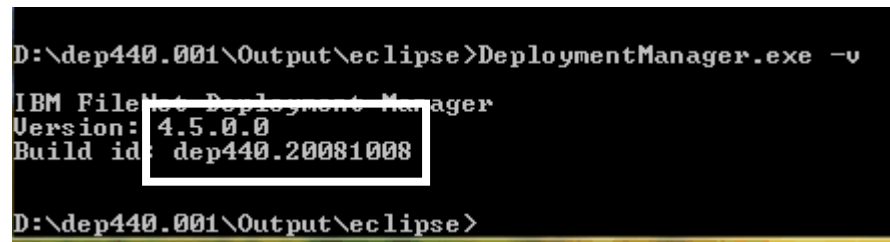
- Method 1: From the command line.
- Method 2: From the Deployment Manager UI.

Method 1: From the Command Line

From a command line on the Deployment Manager server, run the following command:

```
DeploymentManager.exe -v
```

Example



```
D:\dep440.001\Output\eclipse>DeploymentManager.exe -v
IBM FileNet Deployment Manager
Version: 4.5.0.0
Build id: dep440.20081008
D:\dep440.001\Output\eclipse>
```

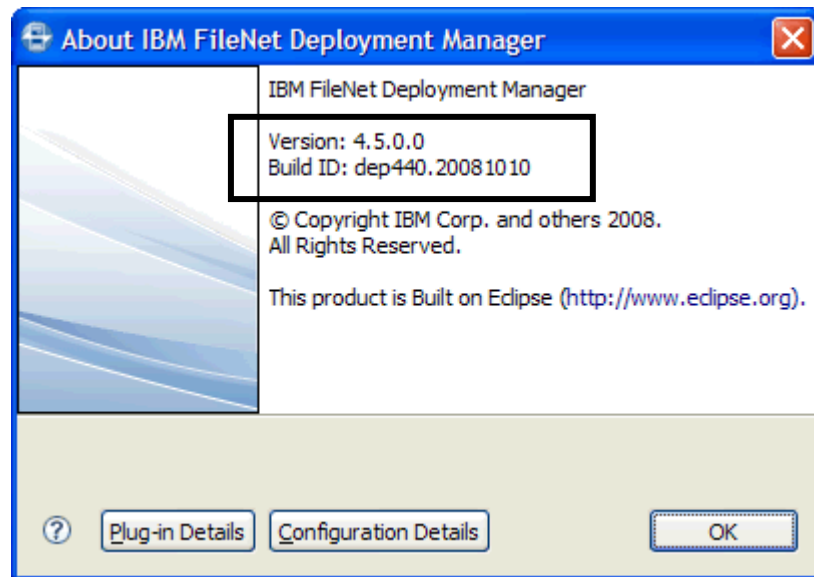
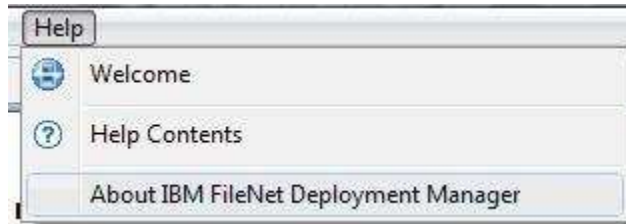
The sample display shows the version (*4.5.0.0*) and build information (*dep440.20081008*) highlighted. This information identifies that this is the base 4.5.0 release of the deployment tool.

Method 2: From the Deployment Manager UI

1. From a command line on the Deployment Manager server, run the following command to launch the Deployment Manager UI.

```
DeploymentManager.exe -g
```
2. Click on the **Help > About IBM FileNet Deployment Manager** menu item and review the version information in the resulting pop-up window.

Example



The sample display shows the version (*4.5.0.0*) and build information (*dep440.20081008*) highlighted. This information identifies that this is the base 4.5.0 release of the deployment tool.

Records Manager

Records Manager (RM) consists of a web application and several desktop tools, such as Disposition Sweep and Hold Sweep, that can be colocated with, or remote from, the Records Manager web application.

RM build information takes the form *recabc.xyz*, where *abc* maps to a specific release level, and *xyz* is the build number.

RM software update packages use the prefix P8RM.

Determining the RM Web Application Version Level

1. Log on to the Records Manager web application.
2. Right-click on a blank part of the screen.
3. Select **View Source** from the menu.
4. Review the displayed information for the build information.

Example

```
<html>
  <head>
    <base href='http://hq-rosie02:9080/RecordsManager/'>
    <title>Sign In</title>
    <link rel='stylesheet' href=
      'http://hq-rosie02:9080/RecordsManager/css/Wcm.css'
      type='text/css'>
    <script>
      var baseURL = "http://hq-rosie02:9080/RecordsManager";
    </script>
    <script src='http://hq-rosie02:9080
      /RecordsManager/js/Wcm.js'></script>
    <meta http-equiv="Content-Type" content="text/html;
      charset=UTF-8">
    <meta name='BuildName' content='rec205.014'>
    <meta name='BuildDate' content='01/31/2008'>
    <meta name='Copyright' content='Copyright © 2002, 2007 FileNet
  Corporation. All rights reserved.'>
```

The sample display shows the build information highlighted (rec205.014). This build equates to P8RM-4.0.0-001.

Determining the RM Desktop Tools Version Level

1. Locate the file *version.txt* in the RM home directory.

By default, for RM releases prior to RM 4.0.0, the RM home directory is:

Windows: C:\Program Files\FileNet\Records Manager

UNIX: \opt\FileNet\RecordsManager

For RM 4.0.0 and 4.5.0 environments that have NOT been upgraded from an earlier RM release, the default RM home directory is:

Windows: C:\Program Files\FileNet\RM

UNIX: \opt\FileNet\RM

2. View the contents of the *version.txt* file to determine the build information.

Business Activity Monitor

Business Activity Monitor (BAM) is a repackaging of the IBM COGNOS product. To date, there are five released versions of BAM:

- BAM 3.6.0
- BAM-3.6.0-001
- BAM-3.6.0-001.001
- BAM-3.6.0-1000
- BAM 4.5.0

BAM software update packages use the prefix P8BAM.

Determining the BAM Level

1. Find and unzip the BAM server EAR file.

App Server	Ear File Name (Names vary with different BAM releases)
WebSphere	FNBAM_websphere5.x.ear FNBAM_3.6.0_websphere5.x.ear lava.ear
JBOSS	FNBAM_jboss3.2.x.ear FNBAM_3.6.0_jboss3.2.x.ear lava.ear
WebLogic with Oracle	FNBAM_weblogic_oracle.ear FNBAM_3.6.0_weblogic_oracle.ear lava_weblogic8.ear lava_weblogic.ear (for Weblogic 9 and 10)
WebLogic non-Oracle database	FNBAM_weblogic.ear FNBAM_3.6.0_weblogic.ear lava_weblogic8.ear lava_weblogic.ear (for Weblogic 9 and 10)

2. Open the Manifest.mf file.
3. Find the CAS Version Information:
 - Version 4.0.2.2.170 equates to P8BAM-3.6.0-001.001

- Version 4.0.2.2.164 equates to P8BAM-3.6.0-001
- Version 4.3.2.1.468 equates to P8BAM-3.6.0-1000²
- Version 4.3.3.0.527 equates to P8BAM 4.5.0

If there is no CAS-Version information, the BAM software version is P8BAM-3.6.0.

² This package is a test fix and, as such, is not listed in the P8 Compatibility Matrix. For more information on this version of BAM, contact IBM Customer Support.

Business Process Framework

Business Process Framework (BPF) consists of a web application and a desktop administrative tool called the BPF Explorer.

BPF build information takes the form `bpabc.xyz`, where *abc* maps to a specific release level, and *xyz* is the build number.

BPF software update packages use the prefix P8BPF.

Determining the BPF Web Application Version Level

From a browser, enter the following URL:

```
http://<BPF_server>:<port_number>/bpf/About.jsp
```

Where

<BPF_server> is the machine hosting the BPF web application.

<port_number> is the port on which the BPF web application server is running.

For example, <http://hqdemo1:9080/bpf/About.jsp>.

Example

```
Version      4.1
Build        bpf410.064
Platform    IBM WebSphere Application Server/6.1
Java        IBM Corporation version 1.5.0
```

The sample display shows the output of the URL `http://<BPF_server>:<port_number>/bpf/About.jsp`. The highlighted build information (bpf410.064) equates to the BPF 4.1.0 release.

Determining the BPF Explorer Version Level

1. Navigate to the following directory:
`<Explorer_install_dir>\FileNet\BPF\BPFEplorer\DLL`
2. Right-click any dll, for example, Bp8Shared.dll.
3. Select Properties.
4. Click the Version tab.
5. Note the File version; for example, 4.1.0.64.

The first three components of the version string (in this example, *4.1.0*) provide the product release number, and the final component (in this example, *64*) is the internal software build

number and should match the last few digits in the build number used for the BPF Web Application.

Process Analyzer

The Process Analyzer (PA) consists of a server and a client installation. Information about the version level is obtained from the Process Analyzer server.

PA build information takes the form *paabc.xyz*, where *abc* maps to a specific release level, and *xyz* is the build number.

PA software update packages use the prefix P8PA.

Determining the Process Analyzer Server Version Level

There are two methods for determining the version level:

- Method 1: Reviewing the *pa-ver.properties* file contained in the *pa.jar* file.
- Method 2: Running a java command.

Method 1

1. Locate the *pa.jar* on the server.
2. Open the jar using WinZip or equivalent application.
3. Open the *pa-ver.properties* file and look for the line starting *buildLine=pa*.

This line provides the Process Analyzer build.

Example

```
#Copyright © 2001-2006 FileNet Corporation. All rights reserved.  
#Wed Feb 14 01:27:53 GMT 2007  
buildMachine=CMBUILD05  
buildTime=02/14/2007 01\:27\:53  
buildPrd=Process Analyzer  
buildDateMask=MM/dd/yyyy HH\:mm\:ss  
buildVersion=4.0.0.417  
buildLine=pa410.007  
BuiltWithJDK=1.4.2
```

The sample display shows the build information highlighted (pa410.007). This build equates to P8PA-4.0.0-001.

Method 2: For Process Analyzer 3.5, 4.0.1, and 4.5.0

On the PA server, assuming the Process Analyzer was installed in the default directory:

1. Add *C:\Program Files\FileNet\Process Analyzer Engine\java\jre\bin* to the class path.
2. Open a command window.
3. Navigate to *C:\Program Files\FileNet\Process Analyzer Engine\jpa*
4. Run the following command:

```
java -cp pa.jar filenet.pa.util.PABuildStamp.class
```

Method 2: For Process Analyzer 4.0.0

On the PA server, assuming the Process Analyzer was installed in the default directory:

1. Add *C:\Program Files\FileNet\Process Analyzer Engine\java\jre\bin* to the class path.
2. Open a command window.
3. Navigate to *C:\Program Files\FileNet\Process Analyzer Engine\jpa*
4. Run the following command:

```
java -cp pa.jar" filenet.pa.util.VWBuildStamp
```

Example

Release: 4.0.0.417

Copyright: Copyright 2001-2006 FileNet Corporation. All rights reserved.

Product: Process Analyzer

Build version: 4.0.0.417

Build date: 02/14/2007 01:27:53

Build line: pa410.007

The sample display was generated by running the following command on a PA 4.0.0 server:

```
java -cp pa.jar filenet.pa.util.VWBuildStamp
```

The build information is highlighted (pa410.007) and equates to fix pack P8PA-4.0.0-001.

Process Simulator

The Process Simulator server is a Windows-only application; however, the Process Simulator console and designer used for managing and creating simulations are accessed via Workplace and Workplace XT. The information in this section describes how to determine the software level of the Process Simulator server.

The build information takes the form *psabc.xyz*, where *abc* maps to a specific release level, and *xyz* is the build number.

PS software update packages use the prefix P8PS.

Determining the Process Simulator Version Level

On the PS, assuming the Process Simulator was installed in the default directory:

1. Add *C:\Program Files\FileNet\Process Simulator\java\jre\bin* to the class path.
2. Open a command window.
3. Navigate to *C:\Program Files\FileNet\Process Simulator\cvsim*
4. Run the following command:

```
java -cp ps.jar simulator.util.VWBuildStamp
```

Example

```
Release: 4.0.1.0
```

```
Copyright: Copyright © 2001-2007 FileNet Corporation. All rights reserved FileNet Corporation. All rights reserved.
```

```
Product: Process Optimizer
```

```
Build version: 4.0.1.0
```

```
Build date: 03/13/2007 00:20:29
```

```
Build line: ps410.005
```

```
Jar Version: 4.0.1.700
```

```
Release 4.0.1, ps410.xxx
```

The sample display shows the build information highlighted (ps410.005). This build equates to P8PS-4.0.0-002.

IBM Enterprise Content Management Widgets

IBM ECM Widgets is a new P8 4.5.0 component. The widgets provide a set of components that can be used to build user interfaces for workflow applications. ECM Widgets are deployed in a Lotus Mashup server.

The build information takes the form `wdgtabc.xyz`, where *abc* maps to a specific release level, and *xyz* is the build number.

Determining the IBM ECM Widget Version Level

1. From a command window, navigate to the ECM Widgets installation location.

The default installation location is `C:\FileNet\ECMWidgets`.

2. Run the command line utility `version.bat`.

This utility displays the version and the build level of IBM ECM Widgets.

Example

```
C:\FileNet\ECMWidgets>version.bat
Installed Product
-----
Name                IBM Enterprise Content Management Widgets
Version             4.5.0.0
Build Level         wdgt450.009
-----
Press any key to continue . . . _
```

The sample display shows the version (4.5.0.0) and the build (wdgt450.009). This build equates to the base release of the ECM Widgets product.

Email Manager

Email Manager is a windows-only application.

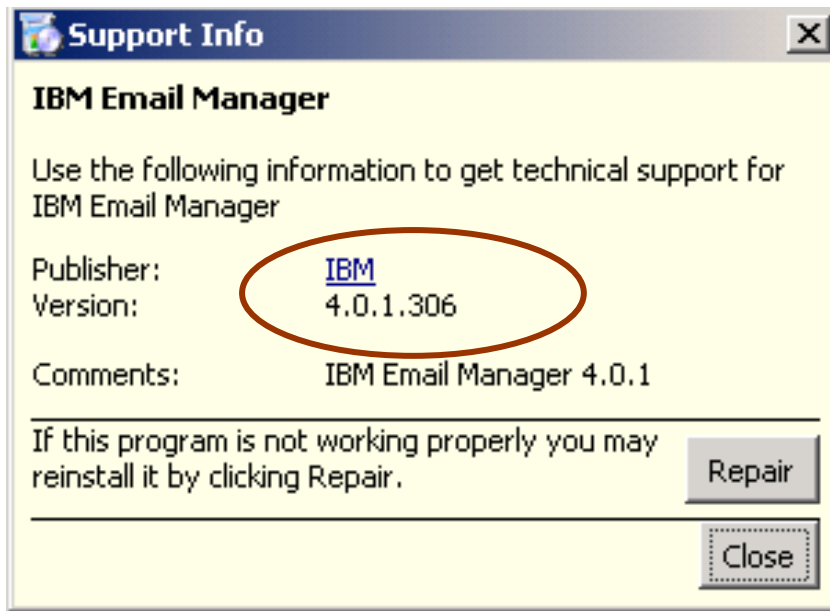
Email Manager software update packages use the prefix EM.

Determining the Email Manager Version Level

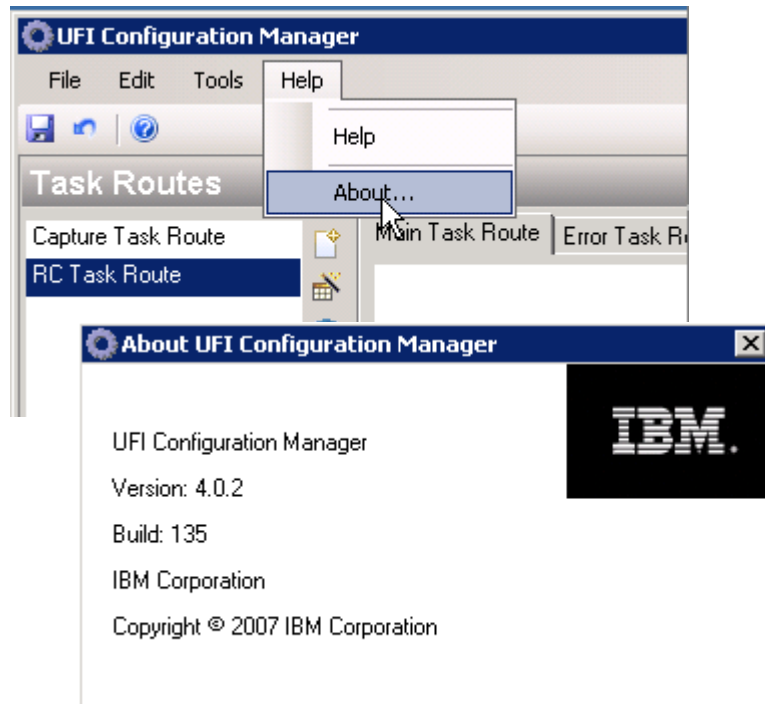
Use one of the following methods:

- From the Windows Start Menu, click on **Control Panel > Add/Remove Programs > IBM Email Manager**, then click on **Click here for support information**.
- For Email Manager releases prior to 4.0.2, from the Email Manager Configuration Manager application, review the information in the **Help > About** menu item.
- For Email Manager releases 4.0.2 or later, from the UFI Configuration Manager, review the information in the **Help > About** menu item.

Example



The sample display shows the build information highlighted (4.0.1.306). This build equates to EM-4.0.1.



The sample display shows version 4.0.2 of the UFI Configuration Manager.

Records Crawler

Records Crawler is a windows-only application.

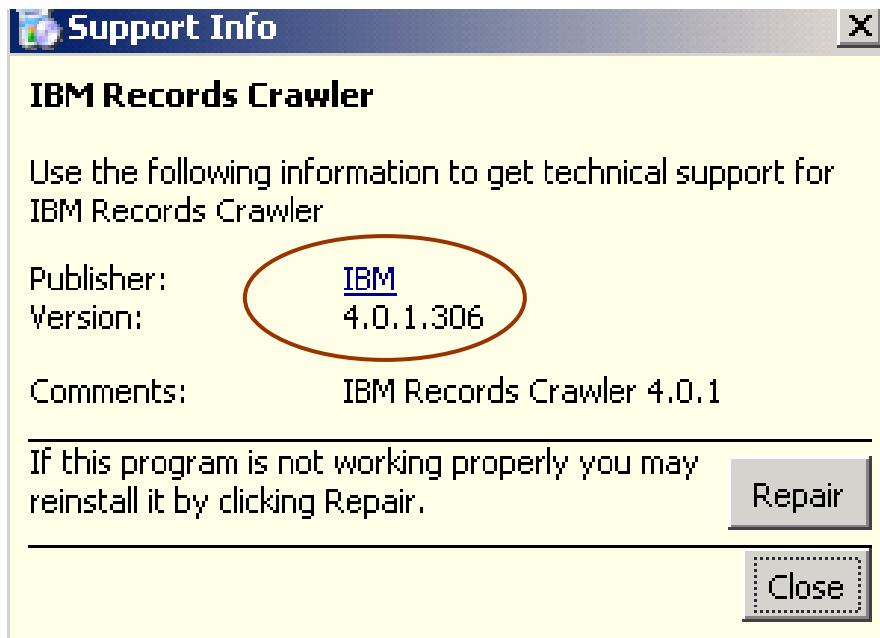
Records Crawler software update packages use the prefix RC.

Determining the Records Crawler Version Level

Use one of the following methods:

- From the Windows Start Menu, click on **Control Panel > Add/Remove Programs > IBM Records Crawler**, then click on **Click here for support information**.
- For Records Crawler releases prior to 4.0.2, from the Records Crawler Configuration Manager application, review the information in the **Help > About** menu item
- For Records Crawler releases 4.0.2 or later, from the UFI Configuration Manager, review the information in the **Help > About** menu item.

Example



The sample display shows the build information highlighted (4.0.1.306). This build equates to RC-4.0.1.

eForms

eForms provides the ability to use online forms. The forms are accessed via Workplace, Workplace XT, or other web applications.

The build information takes the form `raptor abc .xyz`, where abc maps to a specific release level, and xyz is the build number.

eForms software update packages use the prefix P8eF.

Determining the eFormsVersion Level

The build information is provided in the `version.txt` file which is copied to the application server when eForms is installed. For Workplace installations, the default location is

Windows: C:\Program Files\FileNet\AE\Workplace\forms

UNIX: ../opt/FileNet\AE\Workplace/forms

Example

```
FileNet eForms for FileNet P8 Workplace
```

```
Version 4.0.0-002 (raptor305A.006)
```

```
Built 2007-Jun-15 12:11 PM
```

The sample display shows the build information highlighted (raptor305A.006). This build equates to P8eF-4.0.0-002.

eForms Designer

eForms Designer is a Windows application used to design forms that can be used on line. eForms Designer is a companion product to eForms.

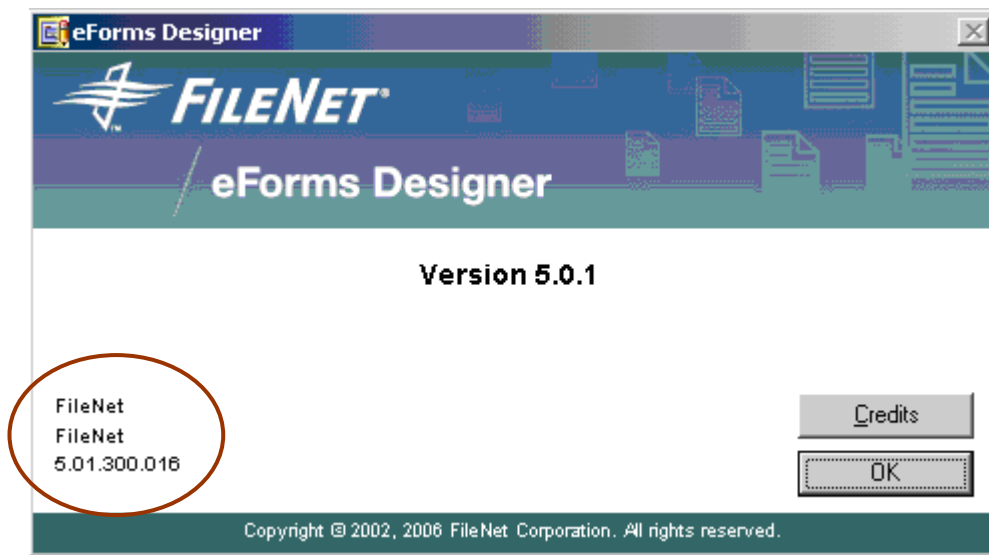
eForms Designer software update packages use the prefix P8eFD.

Determining the eForms Designer Version Level

Use either of the following methods.

Method 1: From the eForms Designer application

1. Launch the eForms Designer.
2. Click on **Help > About eForms Designer**.



Example

The sample display shows the build information (5.01.300.016). This build equates to eFD-5.0.1

Method 2: From the Windows Control Panel

From the Windows Start Menu, click on **Control Panel > Add/Remove Programs > IBM FileNet eForms Designer**, then click on **Click here for support information**.

Capture

Capture is a Windows application used for the rapid ingestion of documents to Images Services libraries, Content Services libraries, and Object Stores. The Capture product ships with a variety of third-party tools.

Capture software update packages use the prefix CAP.

Determining the Capture Component Software Levels

Capture Professional

1. From the Main menu, click **Help**.
2. Click **About IBM FileNet Capture Professional**

Example:

```
Version 5.1.500.068 Hotfix Pack Level 4
```

This version information equates to CAP-5.1.0-004.

Capture Desktop

1. From the Main menu, click **Help**.
2. Click **About**

Example:

```
Version 5.1.500.068 Hotfix Pack Level 4
```

This version information equates to CAP-5.1.0-004.

Capture Manager

1. Right click on the left side of the header bar or Click on the Capture Manager icon on the title bar.
2. Click **About IBM FileNet ...**

Example:

```
Version 5.1.500.068 Hotfix Pack Level 4
```

This version information equates to CAP-5.1.0-004.

Kofax Scan

1. From the Windows Start menu, select **Programs > VCDEMO** or Programs > Kofax VRS VCDEMO.
2. In the VCDEMO application, click **Help > About**.

Example:

Version 4.10.115

Kofax Doc Processing

1. From the Windows Control Panel, select **Add/Remove Programs**.
2. Find the application Kofax AIPE.
3. Click on **Click here for support information**.

Example:

Version: 4.10.039

ADR

1. From the Windows Control Panel, select **Add/Remove Programs**.
2. Find the application **IBM FileNet Capture Advanced Document Recognition 5.x**.
3. Click on **Click here for support information**.

Example:

Version: 5.2

Full Text OCR (ScanSoft)

1. From the Windows Control Panel, select **Add/Remove Programs**.
2. Find the application **IBM FileNet Capture Full Text OCR 5.X**.
3. Click on **Click here for support information**.

Example:

Version: 5.2

RightFax Client

1. From the Windows Control Panel, select **Add/Remove Programs**.
2. Find the application **Right Fax Connector for Capture Professional**.
3. Click on **Click here for support information**.

Example:

Version: 9.00.0000

RightFax Server

1. From the Windows Start menu, select **Programs > RightFax Enterprise Fax Manager**.
2. In the RightFax application, click **Help > About Enterprise Fax Manager**

Example:

Version: 9.3.0.2116: English (United States)

FileNet Print

From the Windows Start menu, select **Programs > FileNet Print > FileNet Print Service Control**.

The version information displays on the opening window.

Example:

Version: 4.4.0.077

This version information equates to PRINT-4.4-015.

Content Federation Services

This section applies only to Content Federation Services (CFS) that utilizes IBM Content Integrator (formerly known as IICE). CFS for Image Services (CFS-IS) is delivered as part of the Image Services and Content Engine software packages. CFS for Content Manager OnDemand (CFS-CMOD) is delivered as part of the CMOD and Content Engine software packages.

As of the P8 4.5.0 release, CFS supports federating content from the following repositories:

- P8 Object Stores
- IBM Content Manager
- FileNet Content Services
- Documentum
- LiveLink

Updates are delivered in the same software update packages and use the same build information. However, some changes might also require updates to the IBM Content Integrator software. The IBM Content Integrator updates are shipped separately.

The build information takes the form *helabc.xyz*, where *abc* maps to a specific release level, and *xyz* is the build number.

CFS software update packages use the prefix P8CFS.

Determining the CFS Version Level

Version information is provided in a file called *version.txt* file which is installed with the rest of the CFS software. The default location of the file is:

Windows: C:\Program Files\FileNet\CFS

UNIX: /opt/FileNet/CFS

Example

```
FileNet build hel195.030
```

```
7:50:32 Friday, October 12, 2007
```

The sample display shows the build information (hel195.030). This build equates to P8CFS-3.5.1-004.

Image Services

There are three ways to determine the version of Image Services (IS) installed:

- Using the **fn_util whichfn** command.
- Reviewing the log files generated during service pack and fix pack installations.
- Finding information in the system registry.

There is also a utility called *getstamps* which is a UNIX shell script that collects stamps for all subsystems on the Image Services server.

A stamp displays the system and developer release numbers, subsystem, release type, and SCR number for a set of files. For more information on the utility, refer to the IS System Tools Reference Manual at:

<http://www-1.ibm.com/support/docview.wss?rs=3284&context=SSNVUD&uid=swg27010558>

Using the *fn_util whichfn* command

From a command line prompt, enter the following:

```
fn_util whichfn
```

Example

```
Solaris Base OS Release:  
    SunOS 5.10 Generic_118833-33  
Oracle RDBMS Release:  
    Remote Site-controlled, 10.2.0  
FileNet Image Services Release:  
    4.1
```

The Images Services level in this example is 4.1.

Reviewing the Log Files

1. Navigate to the directory **fnsw\local\logs\hfp**.
2. Review the list of subdirectories.

As fix packs are installed, new subdirectories are created.

Example

If IS 4.1 Service Pack 1 Fix Packs 1 and 2 have been installed, then the following subdirectories will exist under `fns\local\logs\hfp`:

`\4.1\SP1`

`\4.1\SP1\hfp1`

`\4.1\SP1\hfp2`

In each of these subdirectories is a log file providing information on the fix pack or service pack installation.

Reviewing the System Registry

Use the appropriate command for your operating system to determine the fix pack level installed.

Operating System	Command
AIX	<code>lspp -l grep IS</code>
Solaris	<code>prodreg</code>
HP-UX	<code>swlist -l product</code>
Windows	Review the information provided on the Windows Control Panel > Add/Remove Programs

Images Services and P8

There is no specific need to match Images Services and P8 fix packs. However, there might be minimum levels of IS needed to support a specific P8 feature.

For CFS-IS the following requirements exist:

CFS-IS Level	Requires Images Services
3.5.2	4.0 SP4
4.0.0	4.0 SP5 or 4.1 SP1
4.0.x	IS 4.1 SP1
4.5.0	IS 4.1. SP1 or later

IBM FileNet Connector for SharePoint

This section provides information on the Webparts and DocLib Sharepoint connectors.

Determining the Connector Version Level

1. From the Windows Control Panel, select **Add/Remove Programs**.
2. Find the application **IBM FileNet Connector for SharePoint Webparts**.
3. Click on **Click here for support information**.

A pop-up window displays with the release number information.



4. Find the application **IBM FileNet Connector for SharePoint Document Libraries**.
5. Click on **Click here for support information**.
6. A pop-up window displays with the release number information.



The installation log files for WebParts and DocLib have the version number as part of the file name.

The default locations for the log files are:

Webparts: *C:\Program Files\IBM\FileNetConnectorForSharePointWebParts*

DocLib: *C:\Program Files\IBM\FileNetConnectorForSharePointDocumentLibraries*

The default log files names are:

Webparts: *sharepoint_web_parts_install_log_<release level>.txt*

DocLib: *IBM_FileNet_Connector_for_SharePoint_Document_Libraries_InstallLog_<release level>.txt*

IBM FileNet Services for Lotus Quickr

IBM FileNet Services for Lotus Quickr build information takes the form `p8quickrabc.xyz`, where `abc` maps to a specific release level, and `xyz` is the build number.

Determining the IBM FileNet Services for Lotus Quickr Version Level

There are two methods for determining the version level:

- Method 1: From a browser.
- Method 2: From the `build.properties` inside the `fnqs-bootstrapConfig.jar` file.

Method 1: From a Browser

From a browser enter the following URL:

```
http://<fn_quickr_services_server>:<port number>/dm
```

Where:

- `<fn_quickr_services_server>` is the name of the machine hosting the IBM FileNet Services for Lotus Quickr application.
- `<port_number>` is the port on which the IBM FileNet Services for Lotus Quickr is running.

For example, `http://hqdemo1:9080/dm`.

The resulting display provides the IBM FileNet Services for Lotus Quickr build information as well as other useful information about the environment.

Example

IBM FileNet Services for Lotus Quickr

Product name	IBM FileNet Services for Lotus Quickr
Product version	v1.0
Build number	p8quickr100.038
P8 Content Engine URL	iiop://hqdemo2.usca.ibm.com:9080/FileNet/Engine
P8 Application Engine URL	http://hqdemo1.usca.ibm.com:9080/WorkplaceXT
P8 domain	hqdemo1a
P8 object store	R12OS
CE API build	dap435.031
CM8 search build	092-OCT07

The sample display shows the build information highlighted (`p8quickr100.038`). This build equates to version 1.0 of IBM FileNet Services for Lotus Quickr.

Method 2: From *build.properties* in the *fnqs-bootstrapConfig.jar* file

1. Locate the *fnqs-bootstrapConfig.jar* in the <IBM FileNet Services for Lotus Quickr installation director>/ear/lib directory.
2. Open the *fnqs-bootstrapConfig.jar* using WinZip or equivalent tool.
3. Find the file *build.properties* and open it.

The version information is provided on the build.number line

Example

```
product.name=IBM FileNet Services for Lotus Quickr
product.version=v1.0
build.number=p8quickr100.038
jave.version=dap435.031
cm.version=cm440.238
cm8search.version=092-OCT07
```

The sample display shows the build information highlighted (*p8quickr100.038*). This build equates to version 1.0 of IBM FileNet Services for Lotus Quickr.

Chapter 3

P8 Compatibility Matrix

This chapter explains how to use the P8 Compatibility Matrix to determine the fix pack associated with a specific build level and to check for dependencies between fix packs.

Chapter Contents

This chapter contains the following topics:

Topics	Page
The purpose of the matrix	62
Step-by-step procedure	65

Interpreting the P8 Compatibility Matrix

The purpose of the matrix

The P8 Compatibility Matrix is an Excel spreadsheet that lists all the fix packs and interim fixes released for each P8 component. A separate matrix is available for each major P8 release. At this time, the following matrices are available on the IBM Web Site at

<http://www-1.ibm.com/support/docview.wss?rs=3278&uid=swg27010145>

- P8 3.0.0

Provides information on all P8 3.0.x components.

- P8 3.5.x

Provides information on all P8 3.5.0, 3.5.1, 3.5.2, and 3.5.3 components.

- P8 4.x

Provides information on all P8 4.0.0, 4.0.1, 4.0.2, 4.0.3, and 4.1.0 components.

Records Manager 4.5.0 is listed in this matrix as well as the P8 4.5.x matrix as it can be used with various P8 4.0.x and P8 4.5.x components.

- P8 4.5.x

Provides information on all the P8 4.5.0 components.

Support for staged upgrades was introduced as part of the P8 4.5.x release. This facility enables various P8 4.5.x components to be used with some pre-P8 4.5.0 components. The matrix includes information about the earlier compatible components.

The matrix is constructed such that each fix pack and interim fix is listed in one column and one row. By reviewing a specific column or by reviewing a specific row, you can determine which fix packs or interim fixes can be used together. The following nomenclature is used in the intersection of any row and column:

Symbol	Means. . .
X	The two packages are compatible and can be used in the same P8 environment. This convention is used in the pre-P8 4.5.x matrices.
S	The two packages are compatible and can be used in the same P8 environment. This convention is used in the P8 4.5.x matrix.
<blank>	The two packages should not be used in the same P8 environment.
NA	There is no interaction between the two packages and therefore no compatibility

	issues.
--	---------

The P8 Compatibility Matrix also provides the build information for each software update. This information is presented in two places:

- When viewing any row, the build is in the column to the right of the column containing the fix pack or interim fix name.
- When viewing any column, the build is provided as a comment on the cell containing the fix pack or interim fix name.

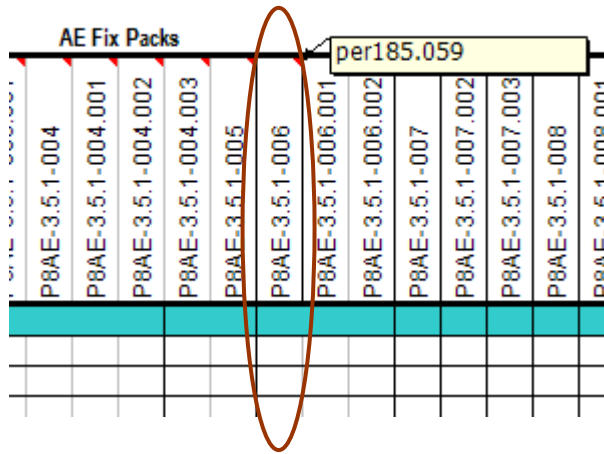
Example 1

	Build No
Process Engine Fix Packs	
Base release	
P8PE-4.0.0-000.001	pe400.194 resigned jars CLIENT only for 2007-2009
P8PE-4.0.1	pe410.023; pui410.010
P8PE-4.0.1-001	pe420.013; pui420.026
P8PE-4.0.1-001-001	pe420.013; pui420.026

In this example, the two builds associated with fix pack P8PE-4.0.1-001 are identified as being

- pe420.013 for the Process Engine server.
- pui420.026 for the Process Engine client.

Example 2



In this example, the build associated with the Application Engine fix pack P8AE-3.5.1-006 is identified as per185.059.

Using the P8 Compatibility Matrix

Step-by-step procedure

This section provides a step-by-step process for using the build information to determine

- The fix pack installed.
- Compatibility between fix packs for different components.

Step	Action
------	--------

1	Using the information provided in Chapter 3, collect the build information for each P8 component installed in the environment.
---	--

In farmed environments, collect the build information from each server in the farm to ensure that all servers are running the same software.

2	Download the latest version of the P8 Compatibility Matrix Excel spreadsheet from the IBM web site. The matrix is available at the following URL:
---	---

<http://www-1.ibm.com/support/docview.wss?&uid=swg27010146>



Suggestion: Record your current installation in a copy of the matrix and save this information for future reference.

3	Search the P8 Compatibility Matrix for the builds in use in your environment to determine the corresponding fix pack or interim fix.
---	--

At this point, you should have a list of all the fix packs and interim fixes installed in your environment. If not, contact IBM support for additional assistance.



Caution: In many cases the build information for an interim fix or a test fix can only be determined by reviewing the readme and looking at build levels for individual files.

Use the remainder of the procedure to determine the software that is compatible with the P8 components installed in your environment.

Step Action

- 4 In an editable version of the P8 Compatibility Matrix Excel spreadsheet perform the following steps:
1. Highlight each product version or fix pack row with a color; for example, yellow.
 2. Highlight each product version or fix pack column with a color; for example, yellow.

7		PE Fix Packs						PS Fix Packs						PA Fix Packs										
		Base Release	P8PE-4.0.0-000.001	P8PE-4.0.1	P8PE-4.0.1-001	P8PE-4.0.1-001.001	P8PE-4.0.2	P8PE-4.0.2-001	P8PE-4.0.2-001.001	P8PE-4.0.2-001.002	Base Release	P8PS-4.0.0-001	P8PS-4.0.0-002	P8PS-4.0.0-003	P8PS-4.0.0-004	P8PS-4.0.0-005	P8PS-4.0.0-006	Base Release	P8PA-4.0.0-001	P8PA-4.0.0-002	P8PA-4.0.0-003	P8PA-4.0.0-004	P8PA-4.0.1	
8	Build No																							
9	Process Engine Fix Packs																							
10	Base release	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	X	X							X						
	pe400.194 resigned jars CLIENT only for 2007- 2009																							
11	P8PE-4.0.0-000.001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	X	X							X						
12	P8PE-4.0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			X							X					
13	P8PE-4.0.1-001	N/A	N/A	N/A	N/A	X	N/A	N/A	N/A				X							X				
14	P8PE-4.0.1-001.001	N/A	N/A	N/A	X	N/A	N/A	N/A	N/A				X							X				
15	P8PE-4.0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				X							X				
16	P8PE-4.0.2-001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	X	X				X	X							X	X	
17	P8PE-4.0.2-001.001	N/A	N/A	N/A	N/A	N/A	N/A	X	N/A	N/A				X	X							X	X	
18	P8PE-4.0.2-001.002	N/A	N/A	N/A	N/A	N/A	X	N/A	N/A					X	X							X	X	
19	Process Simulator Fix Packs																							
20	P8PS-4.0.0-001	X	X							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	X						
21	P8PS-4.0.0-002			X						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		X					
22	P8PS-4.0.0-003				X	X				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			X				
23	P8PS-4.0.0-004						X			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				X			
24	P8PS-4.0.0-005						X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					X	X	
25	P8PS-4.0.0-006						X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					X	X	

Chapter 4

Update Package Installation Sequence

This chapter provides high-level guidance on how to plan and track upgrading P8 components.

Chapter Contents

This chapter contains the following topics:

Topics	Page
Overview	70
Planning and tracking the installation	73

Overview

There can be different business reasons for applying updates to a P8 environment, including a need to

- Move up to a new level of third-party software, such as an operating system, application server, or database level.
- Pick up a fix for a specific issue.
- Replace a test fix with a generally-available version of the fix.
- Bring the environment up to a more current level of P8 software to ease future support issues.
- Add a new P8 component into the environment.

Whatever the reasons for making the change, you must

- Identify all software updates that need to be applied. Some of the updates could be required to maintain compatibility between components.
- For each package that needs to be installed, determine if there are client, as well as server software updates needed.
- Determine the most efficient order for updating the environment.

And, most importantly, if there are any test fixes currently installed in the environment, check that the fix provided has been incorporated into the appropriate fix pack or interim fix. To check that a test fix has been rolled forward into a generally available fix pack or interim fix, review the readme and ensure that the APAR associated with the test fix is listed. If the test fix has not been rolled forward, consult IBM support personnel before continuing.

Before you start the upgrade, use the information provided in this document to determine what levels of software are currently installed. The following sample form can be used to track this information.

Component	Build Level	Equates to Version and Fix Pack Level
IBM FileNet P8 Platform		
Application Engine and Workplace		
Workplace XT		
Application Integration		
Image Viewer		
Content Engine		
Configuration Manager		
Content Search Engine		
Content Engine Enterprise Manager		
Process Engine		
Deployment Manager		
IBM FileNet P8 Add-Ons		
Records Manager		
Business Activity Monitor		
Business Process Framework		
Process Analyzer		
Process Simulator		
ECM Widgets		
Email Manager		
Records Crawler		
IBM FileNet eForms		
eForms		
eForms Designer		
IBM FileNet Capture, Print and Fax		
Capture		
IBM FileNet P8 Content Federation Services		
Content Federation Services		
IBM FileNet P8 Image Services		
Image Services		
Image Services and P8		

Component	Build Level	Equates to Version and Fix Pack Level
Connectors		
IBM FileNet Connector for SharePoint		
IBM FileNet Services for Lotus Quickr		

Planning and Tracking the Installation

There is no single right or wrong order in which to update a P8 environment. What is important is to have a plan and to track the plan. In this section, an example sequence is given for an environment that consists of the following P8 components:

- Content Engine
- Content Search Engine
- Application Engine
- Process Engine
- Process Analyzer
- Process Simulator

	Task	On Any	Notes	Status
1. Update the Process Engine software				
1a	Install PE Fix Pack	Process Engine server	Complete on all PE servers in a farmed environment.	
1b	Run the PE client installer	Content Engine	Complete on all CE servers in a farmed environment. If P8 components are colocated, then the PE client installer can be run once with all the appropriate options selected.	
1c	Run the PE client installer	Application Engine	Complete on all AE servers in a farmed environment. If P8 components are colocated, then the PE client installer can be run once with all the appropriate options selected.	

	Task	On Any	Notes	Status
1d	Run the PE client installer	Process Analyzer Server	Check the readme to verify if this step is necessary.	
1e	Run the PE client installer	Process Simulator	Check the readme to verify if this step is necessary.	
1d	Install any PE interim fix	Process Engine and/or Process Engine client	Check the readme to determine where the fix needs to be applied.	
1e	Validate that the Process functionality can be successful accessed from Workplace	Application Engine	The validation steps can be as simple as viewing tasks in an inbox, or more complex and based on the process-related tasks involved at the customer site.	
2. Update the Content Engine software				
2a	Install CE Fix Pack	Content Engine	Complete on all CE servers in a farmed environment.	
2b	Run the CE client installer	Application Engine	Complete on all AE servers in a farmed environment.	
2c	Run the CE client installer	Process Engine		
2d	Run the CE client installer	Process Analyzer		
2e	Run the CE client installer	Process Simulator		
2f	Run the CE client installer	Client machines running associated custom applications	This includes any servers on which the Content Engine Enterprise Manager tool is installed.	
2g	Validate the Content Engine update by accessing content	<ul style="list-style-type: none"> From Content Engine Enterprise Manager 	The validation steps can be as simple as navigating an on object store, or more complex and based on the	

	Task	On Any	Notes	Status
	in an object store	<ul style="list-style-type: none"> From Workplace 	content-related tasks involved at the customer site.	
3. Update the Application Engine software				
3a	Install the AE Fix Pack	Application Engine		
3b	Install the P8PE client installer	Application Engine	Complete this step only if the PE client installer was not run in step 1c.	
3c	Validate that Workplace is functioning correctly	Application Engine or from a client browser	The validation steps can be as simple as logging on to Workplace and navigating an on object store, or more complex and completed using a custom application.	
4. Update the Content Search Engine software				
4a	Install P8CSE Fix Pack	Content Search Engine		
4b	Validate by adding a document via Content Engine Enterprise Manager or Workplace and ensuring the content gets indexed by performing a search for the document	Content Engine or Application Engine	The test can be run from Workplace or Content Engine Enterprise Manager. Note that the indexing of the content might take some time.	
5. Update the Process Analyzer				
5a	Install P8PA Fix Pack	Process Analyzer Server		
5b	Install P8PA Fix Pack	Process Analyzer Client		
5c	Validate by viewing a report from a Process Analyzer client.			

	Task	On Any	Notes	Status
	6. Update the Process Simulator			
6a	Install P8PS Fix Pack	Process Simulator		
6b	Validate the installation by using the Process Simulator capabilities in Workplace	Application Engine		