IBM FileNet Business Process Framework Version 4.1.0

**Release Notes** 



IBM FileNet Business Process Framework Version 4.1.0

**Release Notes** 



Note

Before using this information and the product it supports, read the information in "Notices" on page 29.

This edition applies to version 4.1.0 of IBM FileNet Business Process Framework (product number 5724-R75) and to all subsequent releases and modifications until otherwise indicated in new editions.

© Copyright IBM Corporation 2008, 2010.

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

## Contents

Revision Log	6
Revision Log Introduction	8
Access IBM FileNet documentation, compatibility matrices, and fix packs	8
Customer support	8
Feedback	8
Documentation Updates	8
What's New in 4.1.0	9
Installation Refresh	
Case operation enhancement	9
Multiple object store support	9
Known Issues	
BPF Web Application	.10
BPF Operations	. 20
BPF Explorer	
BPF Installation, Upgrade, and Platform	
Localization and Globalization	
eForms Integration to BPF	
Resolved Known Issues	. 28
Resolved in BPF 4.1.0-004	
Resolved in BPF 4.1 Installation Refresh	
Notices	. 29
Trademarks	. 30

# **Revision Log**

Date	Revision
Nov 2010	Added PJ37896 / 909669 and PJ38026 / 917597 to Known Issues > BPF Web Application.
Sep. 2010	Added information on the install refresh.
	Added PJ36752 / 889221 to Known Issues > BPF Web Application.
	Moved 803294 from Known Issues to Resolved Known Issues.
Apr. 2010	Added PJ36753 / 842230 to Known Issues > BPF Web Application:
Oct. 2009	Updated known defect 754356 to add information about DB2 V9.7.
Sep. 2009	Added the following known issues: 796352, 803294, 803298, 803300, 819325, 820553, 822150, 832033, 832302, 837544, 837782, 838706, 845282
	Removed duplicate known issues 798365 and 798378.
Mar. 2009	Added 798378 – The P8AE-4.0.2 patch installer overwrites BPF entries in the AE Integration.xml.
Mar. 2009	Added (and modified) 798365 – There is a known issue with the BPF-4.1 config directory having to contain containericons.properties and customobjecticons.properties after P8 is patched with P8AE P8AE-4.0.2 or P8AE-4.0.2.1.
Jan. 2009	Added PJ35489 / 754356 – There is a known issue with errors raised while installing the Bp8Metastore using the BPF-4.1 Installation Wizard against DB2-9.5
Jan. 2009	Added PJ35485 / 775461 - Known Issue for BPF-4.1.0-000 and 001 only (fixed with 780357 / PJ34731 in BPF-4.1.0-002+): BPF cannot hide the eForms Close button on eForms Form Data documents
Nov. 2008	Added the following note to Known Issue 35585722 / 741437 :
	NOTE: This Known Issue for BPF-4.1.0-000 should be resolved by upgrading Workplace to AE-4.0.1-001 or higher.
Sept. 2008	Added the following NOTE to Known Issue 35585712 / 660172:
	<b>NOTE:</b> This Known Issue for BPF-4.1.0-000 is resolved with a code change in BPF- 4.1.0-001 (APARs PJ34535 and PJ34537) and no longer applies to BPF-4.1.0-001 and above.
Sept. 2008	Added PJ34534/745790 – "Fixes a problem that there was no BPF documentation for some new, extra system properties introduced in PE-4.0.3 that must be added and configured in vwtaskman.xml before starting the CM instance for BPF_Operations" – by adding the following note to this document (Release Notes):
	If you have applied the patch P8PE-4.0.2-001.001 or later P8PE patches, on the Connection Point used in your system, go to the 'Advanced' tab, and add the following for the JRE Parameters field:
	-Dfilenet.pe.cm.adaptor.single.dispatcher.BPF_Operations=true - Dfilenet.pe.cm.buffer.size=50

July 2008	Added 769236 – "Known Issue: Opening case attachment in a CaseQuery window by clicking a case from Workplace case search result encountered the error 'The browser time zone is not configured'"
Jan 2008	Initial release of product.

### Introduction

This document contains release notes for IBM<sup>®</sup> FileNet<sup>®</sup> Business Process Framework 4.1.0 and contains the following major topics:

- What's New in 4.1.0 Describes the new 4.1.0 features.
- Known Issues Describes known product and documentation issues.

# Access IBM FileNet documentation, compatibility matrices, and fix packs

To access documentation, compatibility matrices, and fix packs for IBM FileNet products:

1. Navigate to the Product Documentation for FileNet P8 Platform support page.

(http://www-1.ibm.com/support/docview.wss?rs=3247&uid=swg27010422).

2. Select a PDF or a Doc Link, whichever is appropriate.

#### **Customer support**

For information about contacting customer support:

1. Navigate to the FileNet Product Family support page:

(http://www-01.ibm.com/software/data/content-management/filenet-product-family/support.html).

2. Click IBM FileNet Support Communications, or search for a particular support topic under "Enter search terms".

#### 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. 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).

#### **Documentation Updates**

Release of FileNet Business Process Framework 4.1.0 Fix Packs required updates of the associated documentation. These updates included important changes to the installation and upgrade instructions for Business Process Framework. To download this updated documentation, see <u>Access IBM FileNet</u> <u>documentation</u>, <u>compatibility matrices</u>, <u>and fix packs</u>.

### What's New in 4.1.0

This section describes the new features in the BPF 4.1.0 release.

#### **Installation Refresh**

The installation software has been enhanced in this release, which means that you cannot use the earlier documentation with the new refreshed installation software. After the release of the installation refresh, the old installer will no longer be supported.

**Important:** If you are installing Business Process Framework 4.1 GA, build bpf410.092 or greater, ensure that you are using the correct software, installation instructions, and release notes.

- Your software build should be bpf410.092 or later.
- If you are accessing the PDF version of the Installation Guide, use the instructions labeled GC31-5517-05 or later on the cover of the PDF.
- If you are accessing the documentation in an information center, ensure that the "Planning the installation" topic is dated August 2010 or later. The date is at the end of the topic.
- Refer to the release notes titled Release Notes for Business Process Framework 4.1 GA Install Refresh.

#### **Case operation enhancement**

Three advanced case operations are introduced in this release:

- **Merge Case**: Enables users to merge two existing cases into a single case, and to identify the case information that is to be carried forward in the surviving case.
- **Split Case:** Enables users to split an existing case into two separate cases. The user can specify the case type of the new case and identify the information that is to be included in the newly created case.
- Reclassify Case: Enables users to reclassify a case by changing the case type.

For information on incorporating these operations in your BPF applications, refer to the *IBM FileNet Business Process Framework Explorer Handbook*.

#### Multiple object store support

The multiple object store feature enables users to store document objects in any object store, and not just in the object store in which the BPF case objects are stored. In addition, audit log objects can be stored in a separate object store, which can be advantageous if there is a large volume of audit log objects.

While the new multiple object store feature introduces flexibility, storing all BPF-related objects in a single object store is the simpler way to configure a BPF application.

For information on configuring your BPF applications to use multiple object stores, refer to the *IBM FileNet Business Process Framework Explorer Handbook* and the *IBM FileNet Business Process Framework Installation Guide*.

### **Known Issues**

This section describes Business Process Framework known issues.

Where applicable, each issue includes an associated APAR name and defect ID for reference and tracking purposes.

For some entries, known issues might be cited in multiple sections. For instance, an installation problem involving BPF Web application might appear in both the Installation and BPF Web application sections.

As these known issues are fixed, they will be moved to a corresponding section under <u>Resolved Known</u> <u>Issues</u>.

For an overview of the 4.1.0 known issues that have been fixed by a service pack, fix pack, or interim fix, see the associated readme.

#### **BPF Web Application**

APAR Name	
Defect ID	Description
PJ37896 909669	Restriction: A user must not log on to Business Process Framework more than once at the same time. Various unexpected results can occur.
PJ38026 917597	Restriction: A user must not log on to multiple Business Process Framework applications on the same workstation at the same time. An incorrect browser window can result.
899824	Some of the dates included in one of the sample workflows can be confusing. The workflow is named CaseManagement.pep and can be found with Business Process Framework 4.1 GA in the following folder: \misc\solutions\case_management\config In CaseManagement.pep, the ReceivedDate field is set through the "Primary Document?" step, where its value is updated to Systemtime() in the Process Engine. However, the workflow is not designed to update the Content Engine database. This can result in apparent inconsistencies between these dates. A second possible confusion involves the calculation of the EffectiveDate. When a workflow definition is transferred, Systemtime() reflects the time of transfer rather than the time the work item was created. If the EffectiveDate is not explicitly set, it reflects Systemtime(), the time of the workflow's transfer.
900836	<pre>When starting JBoss 4.0.5 with Business Process Framework deployed, you can see the following error messages reported in the console (server.log). These messages are informational only. There is no negative impact on your system.</pre> 2010-04-26 14:21:26,593 ERROR [STDERR] log4j:ERROR A "org.jboss.logging.util.OnlyOnceErrorHandler" object is not assignable to a "org.apache.log4j.spi.ErrorHandler" variable. 2010-04-26 14:21:26,593 ERROR [STDERR] log4j:ERROR The class "org.apache.log4j.spi.ErrorHandler" was loaded by 2010-04-26 14:21:26,593 ERROR [STDERR] log4j:ERROR [WebappClassLoader delegate: false repositories: /WEB-INF/classes/ > Parent Classloader: java.net.FactoryURLClassLoader@81fb ] whereas object of type 2010-04-26 14:21:26,609 ERROR [STDERR] log4j:ERROR "org.jboss.logging.util.OnlyOnceErrorHandler" was loaded by [org.jboss.system.server.NoAnnotationURLClassLoader@1de3f2d]. 2010-04-26 14:21:26,703 DEBUG [org.jboss.mx.loading.RepositoryClassLoader] setRepository, repository=org.jboss.mx.loading.HeirarchicalLoaderRepository3@d420eb, cl=org.jboss.mx.loading.HeirarchicalLoaderRepository3@CacheClassLoader@26807f{ url=null , addeOrder=0} 2010-04-26 14:21:26,703 ERROR [STDERR] log4j:ERROR Could not create an Appender. Reported error follows.

APAR Name	
Defect ID	Description
	2010-04-26 14:21:26,703 ERROR [STDERR] java.lang.ClassCastException: org.jboss.logging.appender.DailyRollingFileAppender 2010-04-26 14:21:26,718 ERROR [STDERR] at org.apache.log4j.xml.DOMConfigurator.parseAppender(DOMConfigurator.java:175) 
	The cause of these messages is that BPF has a log4j.jar file, while JBoss also has a log4j.jar file. Although there is no negative impact, you can prevent the error messages by performing the following steps:
	<ol> <li>Delete log4j.jar under <bpf-web-app>/WEB-INF/lib</bpf-web-app></li> <li>Modify <bpf-web-app>/WEB-INF/log4j.xml by removing the following section:</bpf-web-app></li> </ol>
	<root> <level value="error"></level> <appender-ref ref="external"></appender-ref> </root>
	When the "Deleting Audit Log item" error occurs several times, you can see the following error message reported in the bp8.log, along with a log file large enough that Business Process Framework and Workplace cannot log on.
	Caused by: com.filenet.api.exception.EngineRuntimeException: E_NOT_AUTHENTICATED: The user is not authenticated.
	at com.filenet.apiimpl.core.UserPasswordToken.getSubject(UserPasswordToken.java:1 27)
	<pre>at com.filenet.api.util.UserContext.createSubject(UserContext.java:240) at com.filenet.wcm.api.impl.bd.RcBd.createAndCacheSubject(RcBd.java:164) at com.filenet.wcm.api.impl.bd.RcBd.doRpc(RcBd.java:115) 34 more</pre>
	Caused by: java.lang.StackOverflowError
	java.util.Collections\$UnmodifiableMap\$UnmodifiableEntrySet\$1. <init>(Collection s.java:1349) at</init>
	<pre>java.util.Collections\$UnmodifiableMap\$UnmodifiableEntrySet.iterator(Collection s.java:1340)</pre>
	at org.jboss.security.auth.login.AuthenticationInfo.copyAppConfigurationEntry(Aut henticationInfo.java:75)
	at org.jboss.security.auth.login.XMLLoginConfigImpl\$1.run(XMLLoginConfigImpl.java :129)
	at java.security.AccessController.doPrivileged(Native Method)
	org.jboss.security.auth.login.XMLLoginConfigImpl.getAppConfigurationEntry(XMLL oginConfigImpl.java:132) at
	com.filenet.apiimpl.util.JaasConfiguration.getAppConfigurationEntry(JaasConfig uration.java:189) at
	com.filenet.apiimpl.util.JaasConfiguration.getAppConfigurationEntry(JaasConfig uration.java:189)
	To prevent this problem, if you are running P8 4.0, you must use CE 4.0.1-008 or greater. If you are running P8 4.5, you must use CE 4.5.0-001 or greater.
861855	Business Process Framework no longer allows you to attach the same document multiple times to a case. Previously this restriction was not enforced.
	If you inadvertently attached a document multiple times to a case, data consistency problems could occur. For example, if you removed an attachment or performed a case operation, only one copy of the attachment was acted upon by the Content

APAR Name	
Defect ID	Description
	Engine, but all of the multiple attachments were acted upon by the Process Engine. This could result in an inconsistency in the Content Engine and Process Engine data.
900088	When you create a new case, the message window that confirms the case creation can be replaced by an unexpected window. This can happen intermittently with Win 7 32-bit/IE8 and Win 2008 R2/IE8. Note that Win 7 64-bit/IE8 does not exhibit the problem. The case itself is created correctly.
	To eliminate the behavior, apply the following workaround:
	1. For a Win2008R2/IE8 32 bit system, add a new DWORD value with the value as described below and save the change:
	HKEY_LOCAL_MACHINE>Software>Wow6432Node>MicroSoft>Internet Explorer>Main TabProcGrowth=1
	2. For either a Win7 /IE8 32 bit or Win2008R2/IE8 64bit system, add a new DWORD value with the value as described below and save the change:
	HK_CURRENT_USER>Software>Microsoft>Internet Explorer>Main TabProcGrowth=1
896113	When a workflow with an attach component step immediately preceding the index step is launched, the Component Manager can issue a misleading exception:
	<pre>BPF_Operations[1] adaptor processing step element wobId=8C10949E4266074BB9FDBBA160BEDE26, workflowName=CaseManagementMOSS_Test, method signature=public java.lang.String[] com.filenet.operations.Bp80perations.attachDocWithCaseType(java.lang.String,fi lenet.vw.api. VWAttachment[],java.lang.String,java.lang.String,java.lang.String) throws java.lang.Exception at April 13, 2010 2:06:40 AM PDT. !!! FAILED in dispatching !!! due to - l:vw.server.NObjectNotFound [Object not found]</pre>
	The process has not failed; it has completed successfully. Attachment commands that can result in this error include: attachDoc, attachDocWithCaseType, attachCustomObject, attachCOWithCaseType, attachFolderObject, attachFOWithCaseType,
PJ36753 842230	The user interface for the Add Document tool differs depending on whether you access the tool from Workplace or from the BPF Web application.
	If you search for and open a BPF case in Workplace, the case is opened in a child window of the Workplace Search Results window. If you then click the Add Document link, an Add Document window appears that does not match the Add Document window in the BPF Web application.
	Workarounds
	In the Workplace Search Results window, do not click the Add Document link for a BPF case. Instead, right-click the BPF case in the Search Results window and select <b>Open Case</b> .
	If you want to use the Add Document link to open BPF cases in the Search Results window, you must edit the Workplace InfoPages.xml configuration file:

APAR Name	
Defect ID	Description
	<ol> <li>Open the InfoPages.xml file in any text editor. This file is located in the <ae_install_path>/FileNet/Config/AE folder.</ae_install_path></li> </ol>
	2. Locate the following line:
	http://devfn01:8280/bpf/Bp8IntegrationServlet?_commandId=9000
	3. Change this line to read as follows:
	http://devfn01:8280/bpf/Bp8IntegrationServlet?_commandId=9000& timeZone={TIME_ZONE}
	<b>Tip:</b> Enter this text on a single line. It is shown on two lines here for formatting purposes only.
	4. Restart the Application Engine.
819325	Starting with Application Engine 4.0.2, installing Application Engine releases or fix packs overwrites the BPF entries in the Integration.xml file. This problem prevents users from viewing document that are attached to cases. Instead, a blank window is displayed.
	Workarounds
	If you are installing P8AE-4.0.2.0, P8AE-4.0.2.1, or P8AE 4.0.2.2:
	1. Backup the Integration.xml file before you install the P8AE-4.0.2.x fix pack.
	2. Install the P8AE-4.0.2.x fix pack.
	3. Manually add the BPF entries back into the Integration.xml file.
	If you do not have a backup of the Integration.xml file, see "Edit Integration.xml" in the <i>IBM FileNet Business Process Framework Installation and Upgrade Guide</i> for the BPF entries that you need to add to the file.
	4. Re-create the app_engine.ear file.
	5. Redeploy Workplace.
	If you are installing P8AE-4.0.2.3 or later:
	1. Install the Application Engine fix pack.
	<ol> <li>Before you install the Application Engine fix pack, create a file named BpfIntegration.xml with the following content and place it in the Application Engine WEB-INF folder:</li> </ol>
	xml version = "1.0" encoding = "UTF-8"?
	<pre><object key="propertyPageConfiguration" version="4.0">     <list key="commands"></list></object></pre>
	<pre><object key="command">         <setting key="id">4030</setting>         <setting key="id">588ViewActions.jsp</setting>         <setting key="description">View by external request</setting>         <setting key="isHidden">true</setting>         </object></pre>
	<pre><object key="command">         <setting key="id">4040</setting>         <setting key="url">operations/WcmCheckoutObject.jsp</setting>         <setting key="description">Check Out Document</setting>         <setting key="isHidden">true</setting>         </object></pre>

APAR Name	
Defect ID	Description
	<pre><object key="command">         <setting key="id">4050</setting>         <setting key="url">operations/WcmCancelCheckout.jsp</setting>         <setting key="description">Cancel Checkout.jsp</setting>         <setting key="description">Cancel Checkout From         CheckoutList</setting>             <setting key="isHidden">true</setting>             </object>         <object key="command"></object></pre>
	<pre><setting key="id">4060</setting></pre>
	3. Re-create the app_engine.ear.
	4. Redeploy Workplace.
775461	Known Issue for BPF-4.1.0-000 and BPF-4.1.0-001 only (fixed with 780357 / PJ34731 in the BPF-4.1.0-002 fix pack and later):
	BPF cannot hide the Close and Save buttons on eForms Form Data documents that are used as simple attachments to BPF cases. This problem occurs because the Viewer window in which the Form Data documents are displayed is loaded from Workplace into a frame in a BPF frameset by using the Workplace integration interface. BPF cannot alter the Workplace code to hide the Close and Save buttons in the BPF context.
	This problem does not occur on eForms tab in BPF. On the eForms tab, BPF uses local copies of the eForms files that are typically located in Workplace. This feature enables BPF to hide the Save and Close buttons on the form so that users use the corresponding BPF buttons instead.
PJ34534 745790	The BPF documentation does not describe the new system properties that were introduced in PE-4.0.3. These properties must be added and configured in vwtaskman.xml before you start the Content Manager.
	The following text needs to be added to the BPF documentation:
	If you have applied the patch P8PE-4.0.2-001.001 or later P8PE patches, on the Connection Point used in your system, go to the 'Advanced' tab, and add the following for the JRE Parameters field:
	-Dfilenet.pe.cm.adaptor.single.dispatcher.BPF_Operations=true - Dfilenet.pe.cm.buffer.size=50
741675	Occasionally, the BPF Document Viewer does not display the selected document in the document pane.
	To display the document, click the document icon or title again.

APAR Name	
Defect ID	Description
660172	<b>NOTE:</b> This Known Issue for BPF-4.1.0-000 is resolved with a code change in BPF-4.1.0-001 (APARs PJ34535 and PJ34537) and no longer applies to BPF-4.1.0-001 and later.
	Three settings affect the display of attachments on tabs. By design, a setting at a higher level should override a setting at a lower level.
	The display of attachments on a tab is determined by the following settings:
	<ul> <li>At the highest level, the "Enable Case attachment list display" option, which is located under Application Settings in BPF Explorer, controls the display of attachments for the Web application as a whole.</li> </ul>
	• At the middle level, the Attachment Visibility option, which is set on the General tab of the Inbasket Properties dialog box in BPF Explorer, controls the display of attachments for a specific inbasket.
	<ul> <li>At the lowest level, the _showatt parameter for the custom tab controls the display of attachments for a custom tab.</li> </ul>
	For example, the following settings should prevent attachments from being displayed on standard and custom tabs:
	Enable Case attachment list display = True (highest level setting)
	Attachment Visibility = No
	<ul> <li>_showatt parameter = 1 (lowest level setting)</li> </ul>
	Currently, a problem in the software results in attachments being displayed on custom tabs (Attachments, eForms, or Table tabs) in this situation.
741437	<b>NOTE:</b> This Known Issue for BPF-4.1.0-000 should be resolved by upgrading Workplace to AE-4.0.1-001 or higher.
	If you set the <i>isPopup</i> value to false in the BPF InfoPages.xml file, a NullPointerException error is returned the second time a user opens a case from a search.
741646	The Split Case tool does not populate application fields in the new case correctly in certain situations.
	This problem occurs when the original case and the new case contain the same field and that field is populated using the Lookup service URL feature. If, as you verify the fields during the split process, you attempt to populate the field in the new case using the Lookup service, the field in the original case is populated instead. As a result, you must reset the value in the original case and type the correct value in the new case.
741539	Although a reason string can contain 256 characters, the BPF Web Application interface does not display correctly if a reason string contains more than 64 characters.
	If a reason string containing more than 64 characters is selected, the Cancel and OK buttons do not appear on the interface. To access these buttons, use the Tab key.
555372	The bulk processing interface does not update a case field whose value is an action or a response selected from a pick list.

APAR Name	
Defect ID	Description
742310	The Complete, Reindex, and Restart actions defined for the Matching inbasket in the Case Management sample application might not work correctly.
	The Case Management sample application provides a Matching inbasket configuration that is ready to use without modification in the BPF Explorer and the BPF Web Application. Performing the Complete, Reindex, and Restart actions on this inbasket might produce unexpected results.
742329	The BPF Web Application loads pages in a different order than in previous BPF versions. The first time you access the BPF 4.1 Web application, the application loads the select default profile page before it loads the bootstrap page.
	This change in order is benign and does not change any application functionality.
743807	If merging, reclassifying, or splitting a case requires BPF to move the case audit log to a different object store, the date of the existing audit log entries is changed to the date of the move. In addition, the sequence of events in the audit log might change based on the order in which the entries are recreated in the destination Content Engine object store.
741114	BPF does not handle VWAttachment objects correctly in the following situations:
	<ul> <li>The Merge Case, Split Case, and Reclassify Case tools do not forward any VWAttachment objects attached to the original case to the new or reclassified case.</li> </ul>
	• When removing an attachment, BPF fails to remove the VWAttachment object from the work item that represents the case in the Process Engine.
741866	If you are using Microsoft® SQL Server 2005, the Inbasket list order shown in the BPF Web Application is not consistent with the BPF Explorer setting.
744727	If the Workplace Integration Servlet URL is configured to use the fully qualified distinguished name (FQDN), a null error is returned if the user attempts to access BPF using a URL that contains only the machine name and not the FQDN.
	The Workplace Integration Servlet is used by several BPF Web Application features, including the attach document tool and case search. The URL for this servlet is configured in BPF Explorer by navigating to Application Settings > Web Application > Workplace Integration Servlet URL.
	<b>NOTE</b> An example of a fully qualified domain name is myMachineName.ibm.com. An example of a simple machine name is myMachineName.
	<b>NOTE</b> This problem has been determined to be the result of IE browser security features implemented by Microsoft. If it proves absolutely necessary to use the FQDN in the Workplace Integration Servlet URL, then those users who wish to log on to BPF using a URL that contains only the machine name and not the FQDN will need to remove the Workplace Integration Servlet URL (with the FQDN) from the list of Trusted Sites in their individual IE client in order to avoid this issue. If the issue still persists, then it may also be necessary to change IE "Security Settings" to "Medium-low" to solve it.

APAR Name	
Defect ID	Description
745427	If the Bootstrap Object Store name contains special characters, such as $@$ or %, then BPF Search does not work.
	To prevent this problem
	<ol> <li>Open the Bp8ExtCommands.xml file that is located in the <bpf-app>/WEB-INF folder.</bpf-app></li> </ol>
	2. Change ENCODING='no' to ENCODING='label' in the COMMAND ID='BrowseList' section as shown in the following example:
	<command <br="" externalid="2040" id="BrowseList"/> CLASS='com.filenet.bp8.apps.server.integration.RedirectCommand'>
	<parameter <b="" name="objectStoreName" required="true">ENCODING='label'&gt;</parameter>
	<pre><desc>The object store that you want to browse.</desc></pre>
	3. Restart the application server.
388868	Hot keys that are configured for Actions in the BPF Web Application user interface are disabled when the eForms Tab has focus.
	To enable the Actions hot keys, click out of the eForms Tab to make the BPF Web user interface active again.
743004	The Merge Case, Split Case, and Reclassify Case tools fail on a WebLogic application server if the Content Engine and Application Engine/BPF domain and server instance names are the same.
	BEA strongly recommends that you use different domain names for multiple WebLogic domains that communicate. For more information about configuring transactions, refer to Programming WebLogic JTA on the BEA Web site at <u>http://e- docs.bea.com/wls/docs92/jta/trxcon.html#wp1050280v</u> .

APAR Name	
Defect ID	Description
769236	Depending on how a user opens a case from a Workplace search result, an error can occur when the user attempts to open an attachment on that case. This error states that the browser time zone is not configured.
	The problem occurs because the BPF installer updates the Actions.xml file but not the InfoPages.xml file.
	Workaround
	Edit URL for the Bp8 Integration Servlet in the InfoPages.xml file as shown in blue in the following code. This file is located in the Application Engine config directory that is identified listed in the web.xml file that is located in the Workplace WEB-INF directory.
	<pre><object key="infoPage"></object></pre>
820553	If the Attachment tab or the Viewer window contains more than one page of documents, the page is not refreshed after the user navigates to the next page, checks out or checks in a document, or removes a document.
	Workaround
	On the Attachment page, click the tab or sort any column to refresh the attachment list.
	In the Viewer window, sort any column or reopen the Viewer to refresh the attachment list.
838706	If you revoke a user's access rights to an object store, the user cannot view attachments that are stored in that object store. When the user attempts to access the attachments, an error occurs.
	Workaround
	Reassign the user's access rights to grant access to the object store.

APAR Name	
Defect ID	Description
822150	If you are using the WebSphere Application Server, the Merge Case, Split Case, and Reclassify Case tools might fail if the Content Engine and Application Engine profile that is used by BPF has the same WebSphere profile name and server instance name.
	Workaround
	<ol> <li>Delete the default AppSrv01 profile on Application Engine. By default, the profile is located in the following folders:</li> </ol>
	UNIX®: /opt/IBM/WebSphere/AppServer/profiles
	Windows®: C:\IBM\WebSphere\AppServer\profiles\AppSrv01
	2. Create a new AppSrv01 profile with a different name.
	3. Deploy and configure the new profile.
837782	The lookup and picklist features do not work when a user attempts to create a new case if Internet Explorer security is set to High.
	Workarounds
	To resolve this problem:
	Set Internet Explorer security is set to Medium-High.
	<ul> <li>Leave Internet Explorer security is set to High and add the address for your BPF Web application and for the Internet Explorer blank page ("about:blank") to the list of trusted sights.</li> </ul>
PJ36752 889221	After you upgrade from BPF-3.6.0 to 4.1.0-002, when you click the Edit Layout button, a BP8 Designer servlet error can display:
	HTTP Status 500 - Exception: java.lang.NullPointerException com.filenet.bp8.apps.server.servlet.Bp8DesignerServlet.getBPFModules(Bp8Design erServlet.java:1024)
	This error is caused by extraneous spaces and line breaks in the <modules> element of the BPFModule.xml file. This file is located in the <bpf>\WEB-INF directory.</bpf></modules>
	Workaround
	To prevent the NullPointerException error, edit the BPFModule.xml file:
	1. Open the BPFModule.xml file in WordPad.
	2. Remove the tab characters, spaces, and line breaks between the elements in the <modules> element so that the entire <modules> element is on a single line.</modules></modules>
	The layout designer should launch successfully.

APAR Name	
Defect ID	Description
741845	The BPF Operations component prevents you from attaching a folder to a case multiple times. This behavior is different from that of the BPF Web Application.
	To attach a folder to a case multiple times, use the BPF Web Application.
745854	The UpdateCase and UpdateCaseWithMultiOS methods defined in the Bp8Operations class fail in certain situations.
	An application field is set in the BPF Explorer using the option Case Fields Configuration > Application Fields. The following two properties for the application field are significant for this issue:
	• CE property name, which identifies the symbolic name of the Content Engine custom object property that is associated with the application field.
	<ul> <li>Attachment field name, which identifies the symbolic name of the Content Engine document property that is associated with the application field.</li> </ul>
	In the BPF Web Application, changing an application field value in a case causes the system to update the corresponding Content Engine custom object property value. If the case contains attached documents, the system also attempts to update the corresponding Content Engine document property value.
	For BPF Operations, the UpdateCase and UpdateCaseWithMultiOS methods in the BPF Operations component are used to update the Content Engine custom object property value. If the case contains attached documents, the system also attempts to update the corresponding Content Engine document property value. By design, an attached document that does not contain the property specified by the Attachment field name or that is not in the same object store as the Content Engine custom object is not updated.
	Currently, a problem in the BPF Operations component causes both the UpdateCase method and the UpdateCaseWithMultiOS method to throw an exception if any attached document in the same object store as the Content Engine custom object does not contain the property specified by the Attachment field name.
	Typically, this error occurs when a document attached to the case does not belong to the Documents class for the case type.

### **BPF Operations**

### **BPF Explorer**

Defect ID	Description
744841	If you are using an Oracle metastore, BPF Explorer installation does not create the ODBC data source name (DSN) for the Bp8Metastore automatically. For the WFImport tool to function correctly, perform the following steps to create the Bp8Metastore DSN:
	<ol> <li>On the BPF Explorer server, navigate to Administrative Tools &gt; Data Source (ODBC).</li> </ol>
	2. On the System DSN tab, click Add.
	<ol> <li>Select the appropriate Oracle driver, for example, "Oracle in OraClient10g_home1," and click Finish.</li> </ol>
	The Oracle ODBC Driver Configuration dialog box appears.
	<ol> <li>Enter the Data Source Name and TNS Service Name of the BPF metastore database. Leave the others as default.</li> </ol>
	<ol> <li>Click Test Connection, and then enter your User ID and password to test the connection.</li> </ol>
	6. Click OK.
	The DSN is displayed with the specified data source name.
740462	BPF Explorer does not respond if you close any of the following dialog boxes without first navigating to each tab in the dialog box:
	Inbasket Properties
	Inbasket Template Properties
	User Properties
837544	A user can perform a partial export of configuration data by using BPF Explorer. However, the user cannot import the resulting manifest.
	Workaround
	Always export all objects to the export manifest. For instructions, see "Exporting the Business Process Framework configuration" in the <i>IBM FileNet Business Process Framework Explorer Handbook</i> .

Defect ID	Description
832033	You might encounter errors in Business Process Framework Explorer if you are using Microsoft SQL Server 2005. These errors indicate that a description for an event cannot be found. The errors are seen when you attempt to perform a specific function, such as updating an inbasket property or adding a new user. The errors are caused by the Database Source Name (DSN) registry setting that is created by the Business Process Framework installation program.
	Workaround
	Use the Microsoft SQL Server Native Client OLE DB Driver instead of the DSN setting created by the Business Process Framework Explorer installation program.
	In the registry, change this setting:
	"BP8_EXPLORER_DATABASE_CONNECTION_STRING"="DSN=Bp8Metastore;UID=;PWD="
	to this:
	"BP8_EXPLORER_DATABASE_CONNECTION_STRING"="Provider=SQLNCLI;Server=bpf5a;Datab ase=Bp8Metastore;MARS_Connection=yes;UID=;PWD="

### **BPF Installation, Upgrade, and Platform**

Defect ID	Description
845282	A Content Engine operations error might occur if you install BPF 4.1 on a new P8 4.5 installation.
	Workaround
	To avoid the Content Engine operations error, perform the following steps after you install BPF 4.1:
	1. Transfer the upgrade.cdl file, using a command similar to the following:
	vwtfer -o upgrade.cdl -r All
	The upgrade.cdl can be found in the following location:
	FNSW_LOC\sd
	2. Restart the Process Engine.
	3. Restart the component manager.
754356	If you want to use DB2 V9.5 or V9.7, you must manually configure the Metastore database. The installation program asks "Do you want to create the Metastore automatically?"
	If you are installing with DB2 V9.5 or V9.7, choose No for this option. After the installation program is complete, follow the steps in Loading the Business Process Framework Metastore on DB2 to manually create the Business Process Framework Metastore database.
	If you choose Yes, you will encounter a noncritical exception. After the installation program is complete, delete the BPF Metastore that was created during installation and then follow the steps in Loading the Business Process Framework Metastore on DB2 to manually create the Business Process Framework Metastore database.
741498	Upgrading Application Engine 3.5.x or 4.0.0.x to 4.0.1 places a duplicate Integration.xml file in the <ae_install_dir>/FileNet/Config/AE folder. This duplicate file is identical to the Integration.xml file in the Workplace WEB-INF folder (<ae_install_dir>/FileNet/Workplace/WEB-INF).</ae_install_dir></ae_install_dir>
	The duplicate file can affect BPF Workplace integration because the BPF Web Application looks for the Integration.xml file first in the Config/AE folder and then in the WEB-INF folder.
	To prevent problems, after upgrading Application Engine, delete the Integration.xml file from the <ae_install_dir>/FileNet/Config/AE folder before continuing with the BPF installation or upgrade.</ae_install_dir>

Defect ID	Description
739831	The custom install option does not support installation of individual components. You must always select the BPF Metastore and the BPF Web Application along with any other components to be installed.
	However, you can set the following parameters during installation to prevent automatic installation of BPF Metastore or deployment of the BPF Web Application:
	<ul> <li>To prevent installation of BPF Metastore, select "No" on the Installer screen that asks "Do you want to create Metastore automatically?"</li> </ul>
	<ul> <li>To prevent automatic deployment of the BPF Web Application, select "No" on the Installer screen that asks "Do you want to deploy web application automatically?"</li> </ul>
	After installation completes, you can manually install or deploy the component. Refer to "Manually Installing BPF 4.1" in the <i>IBM FileNet Business Process Framework Installation Guide</i> for information.
	<b>NOTE</b> The BPF Operations component must be installed and configured by the installer. You cannot manually configure this component. Therefore, if you are performing a custom installation, you must select the BPF Operations component on the Select features screen to make the BPF Operations available to your applications. If you do not, you must run the installer again to install and configure the BPF Operations. Doing so reinstalls the BPF Web application files.
741265	During an upgrade to BPF 4.1, the BPF installer updates the Toolbar.xml file to add a new parameter identifying the object store for the Create Case Using eForms tool. By default, the installer uses "Bp8ObjectStore" as the value of this parameter.
	If you use the Create Case Using eForms tool and your object store is not named "Bp8ObjectStore" edit the Toolbar.xml file to use the correct object store name. For information about using the Toolbar.xml file to configure the Create Case Using eForms tool, see the <i>IBM FileNet Business Process Framework eForms Integration to BPF</i> .

Defect ID	Description
744930	If you use the JBoss application server and specify a different application name when upgrading from BPF 3.5.2 to BPF 4.1, the installer does not remove the old openCase element from the Actions.xml file. This duplication of configuration elements in the Actions.xml file prevents users from opening BPF cases in Workplace.
	To prevent this problem, edit the Actions.xml file, which is located in the <ae_install_dir>/FileNet/Config/AE folder before running the installer. Delete the actionDefinition object that contains the openCase setting.</ae_install_dir>
	<b>ATTENTION</b> If you edit the Actions.xml file after you run the installer, the file contains two actionDefinition objects containing the openCase setting. Ensure that you delete the actionDefinition object for the old application.
	The following example shows a typical definition of the actionDefinition object with the openCase setting:
	<object key="actionDefinition"></object>
	<setting key="id">openCase</setting>
	<setting <br="" key="title">localizationKey="server.Actions_xml.openInCaseQuery"&gt;Open Case</setting>
	<pre><setting key="url">http://hostname:port/<appname>/Bp8IntegrationServlet?_commandId= 9000&amp;objectStoreName={OBJECT_STORE_NAME}&amp;id={OBJECT_ID}&amp;object Type={OBJECT_TYPE}&amp;timeZone={TIME_ZONE}</appname></setting></pre>
	<setting key="img">images/action/Launch16.gif</setting>
	<setting key="hiddenForGuests">true</setting>
	<array key="objectTypes"></array>
	<value>customobject</value>
	<array key="classes"></array>
	<value>{92689F34-9F53-44CE-85EF-2D561E50D139}</value>
	<setting key="isPopup">true</setting>
	<setting key="useToken">true</setting>
	<setting key="popupHeight">550</setting>
	<setting key="popupWidth">650</setting>

Defect ID	Description
744935	During a silent install or upgrade of BPF on a WebLogic platform, the wrong port number is entered for the BPF Web Application in the Actions.xml and InfoPages.xml files.
	<b>NOTE</b> Typically, the port number for the BPF Web Application is 7001.
	This problem occurs because the variable IS_APPLICATION_SERVER_PORT_NUMBER is missing from the sample silent install input file (BPF_silent_input.txt) and the installer-generated response file.
	To correct this problem
	• If you have not started the silent install, add the following command in the silent install input file, replacing <pre>cport number&gt;</pre> with the correct port number for the BPF Web Application:
	-V IS_APPLICATION_SERVER_PORT_NUMBER = <pre>port number&gt;</pre>
	• If you have finished the silent install, edit the Actions.xml and InfoPages.xml files to replace the port number specified for the Bp8IntegrationServlet with the correct value.
	<b>NOTE</b> These files are located in the <ae_install_dir>/FileNet/Config/AE folder.</ae_install_dir>
796352	Installing P8AE-4.0.2.0, P8AE-4.0.2.1, or P8AE-4.0.2.2 can result in a login error. To prevent the error, you can upgrade to Application Engine 4.0.2.3. To maintain an earlier version of Application Engine, you can copy containericons.properties and customobjecticons.properties from install_path\Config\AE\ to install_path\Config\bpf.
803298	Although Oracle WebLogic Server 10.x and WebSphere® Application Server 7.x are supported application server platforms, the Business Process Framework installation program does not include these choices. During the installation, choose Oracle WebLogic Server 9.2 instead of 10.x, or choose WebSphere Application Server 6.1 instead of 7.x.
832302	JBoss Application Server 4.2.3 is a supported application server platform. However, the Business Process Framework installation program does not deploy automatically to JBoss Application Server 4.2.3. To enable manual deployment, remove the following files from the /BPF/WEB-INF/lib directory:
	• serializer.jar
	• xalan.jar
	xercesImpl.jar
	• xml-apis.jar
	After you have deleted the jar files, manually deploy the Business Process Framework application. See the task Manually deploying the Business Process Framework Web application on JBoss Application Server.

Defect ID	Description
803300	When installing Business Process Framework server, the automatic installation program can fail to add the non-critical exception to the BPFInstaller.log that the BPF Metastore data source and Process Engine data source were not properly created in the application server.
	Workaround
	If you are installing with WebLogic 10, check the data source list in WebLogic to see if the BPF Metastore data source and Process Engine data source were created. Follow the instructions to create them manually if they do not exist after the installation.

### Localization and Globalization

Defect ID	Description
390078	If you manually import the ce_cm.xml manifest from the Content Manager Enterprise Manager into the BPF object store, execution errors might occur on the DocEntryStatuses and CasePriority properties. These errors occur when the object classes that are being imported already exist as system objects. These errors can be ignored as they do not impact the import process.
742953	If BPF, Application Engine, and Content Engine are using BEA WebLogic, you must install the WebLogic patch CR298435_920.jar to handle double-byte characters correctly. Install this patch on both the Application Engine and Content Engine WebLogic application servers.
	For more information about the BEA patch, see the <i>IBM FileNet P8 Platform</i> Installing Non-English Environments Technical Notice.

### eForms Integration to BPF

Defect ID	Description
742673	The topic "Configuration files for eForms" in the <i>IBM FileNet Business Process</i> <i>Framework eForms Integration to BPF</i> document is incorrect. The correct text for this topic is:
	To use eForms within BPF, copy the following two configuration files to the BPF configuration directory:
	eforms-integration.xml
	This file is delivered on the BPF installation media in the folder CDRoot\misc\solutions\case_management\config.
	eforms-functions.xml
	This file is available in the Application Engine configuration folder \FileNet\Config\AE, for example, C:\Program Files\FileNet\Config\AE.
	To determine the location of the BPF configuration directory
	1. Open the <bpf-app>/WEB-INF/web.xml file.</bpf-app>
	2. Find the value associated with the configurationDirectory parameter.
	The default value for the configuration directory is C:\\Program Files\\FileNet\\Config\\bpf.

### **Resolved Known Issues**

#### Resolved in BPF 4.1.0-004

Defect ID	Description
388876	Changes entered on the eForms tab in the BPF Web Application might not be saved.
	This problem occurs when you enter or change data in a field on a form, and then click Save before you tab out of the field.

### **Resolved in BPF 4.1 Installation Refresh**

Defect ID	Description
803294	If you install Business Process Framework with Process Engine version 4.0.3 or later, you must perform the following additional configuration tasks manually:
	Creating base or solution-specific workflow objects
	<b>Important:</b> Import <pre>gcreate_cm.xml</pre> and <pre>gcreate_base.xml</pre> from the BPF 4.1.0-003 fix pack package, not from the BPF4.1.0 installer package.
	Updating the Process Map
	Applying P8 Platform changes to the Business Process Framework installation

### **Notices**

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Corporation J74/G4 555 Bailey Avenue San Jose, CA 95141 U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing Legal and Intellectual Property Law IBM Japan Ltd. 1623-14, Shimotsuruma, Yamato-shi Kanagawa 242-8502 Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS"; WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

```
IBM Corporation
J46A/G4 555 Bailey Avenue
San Jose, CA 95141-1003
U.S.A.
```

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

#### COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

#### **Trademarks**

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol (® or ™), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at www.ibm.com/legal/copytrade.shtml.

Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Other company, product, and service names may be trademarks or service marks of others.

# IBW ®

Program Number: 5724-R75

Printed in USA

GC31-5523-09

