



Hardware and Software Requirements

Note

Before using this information and the product it supports, read the information in "Notices" on page 51.

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Introduction

This document details the IBM® FileNet® P8 4.5 hardware and software requirements for independent software vendors. Use this guide to determine which vendor software products are compatible with the 4.5 version of FileNet P8 and its expansion products.

FileNet P8 and its expansion products support the specified minimum versions and later releases in the same version line (for example fix packs, service packs and so on) unless otherwise specified.

IMPORTANT While IBM provides support for independent software vendor releases, versions, service packs and patches, IBM has no control over the content and cannot guarantee compatibility with IBM FileNet products. In addition, IBM can only support these independent software vendor products in accordance with the vendor's own product dependencies and support statements.

Legend

Due to space limitations, the tables in this document use the following abbreviations, even if they are not official abbreviations.

Product name	Abbreviation
Application Engine (includes Workplace)	AE
Application Integration Business Content Services	BCS
Business Activity Monitor	BAM
Business Process Framework	BPF
Content Engine	CE
Content Federation Services (Covers federation products that use IBM Content Integrator (ICI))	CFS
Content Federation Services – Image Services	CFS-IS
Content Federation Services – Content Manager on Demand	CFS-CMOD
Content Search Engine	CSE
Deployment Manager	FDM
eForms	eF
Desktop eForms	DTeF
eForms Designer	eFD
Enterprise Manager	EM
IBM FileNet Connectors for Microsoft SharePoint	SPC
IBM ECM Widgets	WDGT
Images Services	IS
Image Services Resource Adapter	ISRA
Process Analyzer	PA
Process Engine	PE
Process Engine Visio Connector	PE VC
Process Simulator	PS
Records Manager	RM
Rendition Engine	RE
Workplace XT	WPXT

Associated documentation

See the following hardware and software requirements documents for related information about other IBM FileNet products:

- *IBM FileNet Capture and Remote Capture Services, Hardware and Software Requirements*
- *IBM FileNet Image Services, Image Services Resource Adapter, and Print Hardware and Software Requirements*

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.

Contact 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).

Server requirements

All products within a single FileNet P8 4.5 domain must use the same brand of application server with the same version number, up to the level indicated with an “x” character. Levels indicated with an "x" character can be different providing they are at least at the required minimum level as specified in the following tables.

J2EE-based products

The following tables summarize FileNet P8 support for J2EE-based products. The table under “Application servers” lists the supported application servers. The table under “Application servers and operating system combinations” lists supported combinations of application servers and operating systems.

Application servers

For information about the supported Java™ developer kits, see [“Supported application server Java Virtual Machines”](#).

	Content Manager				Business Process Manager			FileNet P8 Expansion Products	
	AE 4.0.2	CE 4.5.0	CFS 4.5.0	WPXT 1.1.3.0	BAM 4.5.0	BPF 4.1.0	WDGT 4.5.0 & PE REST Services	eForms 4.0.2	RM 4.5.0
WebSphere® Application Server 6.1.0.x Minimum version: 6.1.0.17 Editions: Base, Express, Network Deployment	✓	✓	✓	✓	✓	✓	✓ 6.1.0.13 only	✓	✓
WebSphere Application Server 7.0.0.x Minimum version: Base Editions: Base, Express, Network Deployment	✓	✓	✓					✓	✓
WebLogic Platform 9.2.x and WebLogic Server 9.2.x Minimum version: 9.2 base Editions: Server Premium, Server Advantage, Express Basic and Express Premium	✓	✓ Server Premium & Server Advantage only	✓	✓	✓	✓		✓	✓

	Content Manager				Business Process Manager			FileNet P8 Expansion Products	
	AE 4.0.2	CE 4.5.0	CFS 4.5.0	WPXT 1.1.3.0	BAM 4.5.0	BPF 4.1.0	WDGT 4.5.0 & PE REST Services	eForms 4.0.2	RM 4.5.0
WebLogic Platform 10.0.x and WebLogic Server 10.0.x Minimum version: MP1 Editions: Server Premium, Server Advantage , Express Basic and Express Premium	✓ See Notes	✓ Server Premium & Server Advantage only See Notes	✓	✓ See Notes	✓ See Notes	✓ See Notes		✓ See Notes	✓ See Notes
WebLogic Platform 10.3.x and WebLogic Server 10.3.x Minimum version: Editions: Server Premium, Server Advantage , Express Basic and Express Premium									
JBoss Application Server 4.0.x Minimum version: 4.0.5 Open Source Edition	✓	✓	✓	✓	✓	✓		✓	✓
JBoss Application Server 4.2.x Minimum version: Open Source Edition									

NOTES

- JBoss Open Source editions are bound by fixes provided by the JBoss community. For more information, go to <http://www.jboss.org>.
- FileNet P8 supports only the zipped version of the JBoss application server or the version that is installed with the “Default” option of the JBoss Enterprise Middleware Software installation. FileNet P8 does not support the version that is installed with the “All” option of the JBoss Enterprise Middleware Software installation.
- FileNet P8 supports separated HTTP server functionality as supported by the application server.
- The CFS column in the previous table refers only to CFS with IBM Content Integrator not CFS-IS or CFS-CMOD.

- AE 4.0.2, Workplace XT 1.1.3, and RM 4.5.0 also support CE 4.0.1 and PE 4.0.x installations. For information on independent software vendor hardware and software requirements, see the *IBM FileNet P8 4.0 Hardware and Software Requirements* document. To download this document, see [“Access IBM FileNet documentation, compatibility matrices, and fix packs”](#) on page 8.
- When using FileNet P8 4.5 with WebLogic 10 MP1, the following fix is required: CR358509: CASE TITLE: Authentication failure in WebLogic 10 MP1 when valid credentials submitted.
- Do not use WebSphere 6.1.0.17 and JRE 1.5.0 SR7 with FileNet P8 applications that use the PE REST Services.

Supported application server Java Virtual Machines

FileNet P8 supports the minimum Java Virtual Machine (JVM) version that is provided with an application server unless otherwise noted. (Support includes both 32-bit and 64-bit JVMs.)

- FileNet P8 supports the HP, Sun, JRockit and IBM JVM Java 5, v1.5.
- FileNet P8 supports JVM v1.6 with WebSphere 7.x.
- WebLogic 9.2 and WebLogic 10 with JRockit deployments require JRockit 5, v1.5.0_14 or higher. WebLogic 9.2 or WebLogic 10 with Sun JVM deployments require version 5, v1.5.0_07 or higher.
 - JRockit v1.6 will not be supported until WebLogic 10.3 is supported.
- FileNet P8 does not support JBoss with JRockit.
- CFS with Content Integrator requires a minimum version of JVM version 1.5.0 (This is the IBM Content Integrator JVM requirement.)

Application server and operating system combinations

A check indicates that FileNet P8 and its expansion products support the application server and operating system combination. For details about the application servers, see "[Application servers](#)".

	WebLogic 9.x	WebLogic 10.0.x	WebLogic 10.3	WebSphere 6.1.0.x	WebSphere 7.0.0.x	JBoss 4.0.x	JBoss 4.2.0
IBM AIX® 5.3 MLx Minimum version: ML4 IBM POWER-based processors, 64-bit	✓	✓		✓	✓	✓	
IBM AIX 6.1 MLx Minimum version: Base IBM POWER-based processors, 64-bit	✓	✓		✓	✓	✓	
Microsoft Windows Server 2003 SPx Minimum version: SP1 x86, 32/64-bit Editions: Standard, Enterprise, and Datacenter Includes R2	✓	✓		✓	✓	✓	
Microsoft Windows Server 2008 SPx Minimum version: Base x86, 32/64-bit Editions: Standard, Enterprise, and Datacenter		✓		✓	✓	✓	
Sun Solaris 9 Minimum version: Base SPARC, 64-bit	✓	✓		✓	✓	✓	
Sun Solaris 10 Minimum version: Base SPARC, 64-bit	✓	✓		✓	✓	✓	
HP-UX 11i v2 Minimum version: Base PA-RISC and Itanium®, 64-bit	✓	✓		✓	✓	✓	
HP-UX 11i v3 Minimum version: Base PA-RISC and Itanium, 64-bit	✓	✓		✓	✓	✓	
Red Hat Enterprise Linux® 4.x Minimum version: Base x86,32/64-bit Editions: AS, ES, WS	✓	✓		✓	✓	✓	

	WebLogic 9.x	WebLogic 10.0.x	WebLogic 10.3	WebSphere 6.1.0.x	WebSphere 7.0.0.x	JBoss 4.0.x	JBoss 4.2.0
Red Hat Enterprise Linux 4.x Minimum version: Base System Z 64-bit v1.09 Editions: AS, ES, WS				✓	✓	✓	
Red Hat Enterprise Linux 5.x Minimum version 5.1 x86,32/64-bit Editions: AS, ES, WS	✓ See Notes	✓		✓ See Notes	✓ See Notes	✓ See Notes	
Red Hat Enterprise Linux 5.x Minimum version 5.1 System Z 64-bit v1.09 Editions: AS, ES, WS				✓ See Notes	✓ See Notes	✓ See Notes	
Novell SUSE Linux Enterprise Server 9 SPx Minimum version: Base x86, 32/64-bit Editions: SLES	✓	✓		✓	✓	✓	
Novell SUSE Linux Enterprise Server for System z version 9 SPx Minimum version: Base System Z 64-bit v1.09 Editions: SLES				✓	✓	✓	
Novell SUSE Linux Enterprise Server 10 SPx Minimum version: Base x86, 32/64-bit Editions: SLES	✓	✓		✓	✓	✓	
Novell SUSE Linux Enterprise Server for System z version 10 SPx Minimum version: Base System Z 64-bit v1.09 Editions: SLES				✓	✓	✓	

NOTE RedHat 5.1 is missing a system library that is required to install FileNet P8 components from a GUI installer. To fix this problem, use the command line installer to install the component, or download and install the library on all RedHat Linux systems before starting any FileNet P8 installations.

The library can be downloaded from: <http://rpm.pbone.net/index.php3/stat/4/idpl/3416184/com/compat-libstdc++-33-3.2.3-61.i386.rpm.html>

Operating system exceptions

BAM 4.5.0

BAM 4.5.0 is not supported on AIX 6.1, HP-UX 11i v3, SUSE on System Z, RHEL on System Z or Windows 2008.

BPF 4.5.0

BPF 4.1.0 does not run on SUSE on zLinux, RHEL on zLinux or on z/OS® v.1.9

CFS 4.5.0

- CFS 4.5.0 on Windows Server 2003 is supported on Standard and Enterprise editions only.
- Solaris 9 support requires the November 2004 patch as a minimum, but the latest patch is recommended.
- Only PA-RISC is supported on HP-UX 11i v2.
- Click the following link for more details on the ICI 8.5 operating system requirements:

<http://www.ibm.com/support/docview.wss?rs=86&uid=swg27013516>

eForms

The standard Linux installer for eForms will work both for SUSE and RedHat Enterprise Linux (RHEL) x86 as well as SUSE and RHEL zLinux editions.

IBM ECM Widgets

Because of the IBM Mashup Center 1.0 limitations, IBM ECM Widgets 4.5.0 supports only Windows 2003 Server Edition and the Windows 2003 Server Edition R2 32-bit.

ISRA Servlet

The ISRA Servlet is not currently supported on zLinux. The planned delivery date for the ISRA Servlet zLinux installer is 2Q 09.

FileNet P8 Portlets

FileNet P8 Portlets are not automatically compatible with independent software vendor updates. IBM suggests that you contact IBM customer support for FileNet P8 products to confirm support before you apply a fix pack or a maintenance release.

FileNet P8 Portlets must use the portal server brand and version number that match the application server up to the second digit.

	WebSphere Portal Server 6.1.x
IBM AIX 5.3 MLx Minimum version: ML4 IBM POWER-based processors, 64-bit	
IBM AIX 6.1 MLx Minimum version: Base IBM POWER-based processors, 64-bit	t.b.d
IBM Linux 1.9 Minimum version: zSeries 64-bit	
IBM Linux 1.10 Minimum version: zSeries 64-bit	
Microsoft Windows Server 2003 SPx Minimum version: SP1 x86, 32/64-bit Editions: Standard, Enterprise, and Datacenter Includes R2	t.b.d
Microsoft Windows Server 2008 Minimum version: Base x86, 32/64-bit Editions: Standard, Enterprise, and Datacenter	t.b.d
Sun Solaris 9 Minimum version: Base SPARC, 64-bit	
Sun Solaris 10 Minimum version: Base SPARC, 64-bit	
HP-UX 11i v2 Minimum version: Base PA-RISC and Itanium, 64-bit	

	WebSphere Portal Server 6.1.x
HP-UX 11i v3 Minimum version: Base PA-RISC and Itanium, 64-bit	
Red Hat Enterprise Linux 4.x Minimum version: Base x86, 32/64-bit Editions: AS, ES, WS	
Red Hat Enterprise Linux 4.x Minimum version: Base System Z 64-bit v1.09 Editions: AS, ES, WS	
Red Hat Enterprise Linux 5.x Minimum version: 5.1 x86,32/64-bit Editions: AS, ES, WS	t.b.d
Red Hat Enterprise Linux 5.x Minimum version: 5.1 System Z 64-bit v1.09 Editions: AS, ES, WS	
Novell SUSE Linux Enterprise Server 9 SPx Minimum version: Base x86, 32/64-bit Editions: SLES	
Novell SUSE Linux Enterprise Server for System z 9 SPx Minimum version: Base System Z 64-bit v1.09 Editions: SLES	
Novell SUSE Linux Enterprise Server 10 SPx Minimum version: Base x86, 32/ 64-bit Editions: SLES	
Novell SUSE Linux Enterprise Server for System z 10 SPx Minimum version: Base System Z 64-bit v1.09 Editions: SLES	

Non-J2EE products and server operating system combinations

For information about client operating systems, see "[Client operating systems](#)".

	Business Process Manager				Content Manager						FileNet P8 Expansion Products
	PE 4.5.0	PA 4.5.0	PS 4.5.0	BPF Explorer 4.1.0	EM 4.5.0	CMUI 4.5.0	FDM 4.5.0	RE 4.5.0	CSE 4.5.0	RM Tools 4.5.0	SPC 2.2
IBM AIX 5.3 Minimum version: ML4 IBM POWER-based processors, 64-bit	✓					✓			✓	✓	
IBM AIX 6.1 Minimum version: Base IBM POWER-based processors, 64-bit	✓ SP3 recommended Or APAR:IZ13179 required					✓			✓	✓	
Microsoft Windows Server 2003 SPx Minimum version: SP1 x86, 32/64-bit Editions: Standard, Enterprise, and Datacenter Includes R2	✓	✓	✓	✓	✓	✓	✓	✓	✓ Minimum version:SP2	✓	✓
Microsoft Windows Server 2008 Minimum version: Base x86, 32/64-bit Editions: Standard, Enterprise, and Datacenter	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Sun Solaris 9 Minimum version: Base SPARC, 64-bit	1Q 09					✓			✓	✓	
Sun Solaris 10 Minimum version: Base SPARC, 64-bit	1Q 09					✓			✓	✓	
HP-UX 11i v2 Minimum version: Base PA-RISC and Itanium, 64-bit	✓ 1Q 09 for Itanium					✓			✓ PA-RISC Only	✓	

Server requirements — Non-J2EE products and server operating system combinations

	Business Process Manager				Content Manager						FileNet P8 Expansion Products
	PE 4.5.0	PA 4.5.0	PS 4.5.0	BPF Explorer 4.1.0	EM 4.5.0	CMUI 4.5.0	FDM 4.5.0	RE 4.5.0	CSE 4.5.0	RM Tools 4.5.0	SPC 2.2
HP-UX 11i v3 Minimum version: Base PA-RISC and Itanium, 64-bit	✓ 1Q 09 for Itanium See Notes					✓			✓ PA-RISC Only	✓	
Red Hat Enterprise Linux 4.x Minimum version: Base x86 32/64-bit Editions: AS, ES, WS						✓			✓	✓	
Red Hat Enterprise Linux 4.x Minimum version: Base System Z 64-bit v1.09 Editions: AS, ES, WS											
Red Hat Enterprise Linux 5.x Minimum version: 5.1 x8632/64-bit Editions: AS, ES, WS						✓			✓	✓	
Red Hat Enterprise Linux 5.x Minimum version: 5.1 System Z 64-bit v 1.09 Editions: AS, ES, WS											
Novell SUSE Linux Enterprise Server 9 SPx Minimum version: Base x86 32/64-bit Editions: SLES						✓			✓	✓	
Novell SUSE Linux Enterprise Server for System z version 9 SPx Minimum version: Base System Z 64-bit v 1.09 Editions: SLES											
Novell SUSE Linux Enterprise Server 10 SPx Minimum version: Base x86 32/64-bit Editions: SLES						✓			✓	✓	

Server requirements — Non-J2EE products and server operating system combinations

	Business Process Manager				Content Manager						FileNet P8 Expansion Products
	PE 4.5.0	PA 4.5.0	PS 4.5.0	BPF Explorer 4.1.0	EM 4.5.0	CMUI 4.5.0	FDM 4.5.0	RE 4.5.0	CSE 4.5.0	RM Tools 4.5.0	SPC 2.2
Novell SUSE Linux Enterprise Server for System z version 10 SPx Minimum version: Base System Z 64-bit v 1.09 Editions: SLES											

NOTES**PE 4.5.0**

- Always use a volume manager on UNIX®-based operating systems. You can use the volume manager provided with the operating systems or an equivalent Veritas volume manager.
- RedHat 5.1 is missing a system library that is required for installing any FileNet P8 component using a GUI installer. Either run the command line installer or download the library and install it on all RedHat Linux systems before running any FileNet P8 installations. The library can be downloaded from: <http://rpm.pbone.net/index.php3/stat/4/idpl/3416184/com/compat-libstdc++-33-3.2.3-61.i386.rpm.html>.
- HP-UX requirements are:
 - Always use the PE-provided JRE. PE installs a private JRE version 1.5.0.
 - For HP-UX 11i v2 PA-RISC, PHCO_37940 is required.
 - For HPUX 11i v2 the minimum version is 11.23.
 - Itanium requires the operating system update dated Sept. 2007, or Update 3 dated Aug. 2008.
- Solaris requirements are:
 - PE 4.5.0 and Solaris Zones require a Solaris 10 operating system kernel that is dated November 2006, or later.
 - PE 4.5.0 and Solaris version 9 or 10 also require the installation of the Developer System Support packages prior to install.

CSE 4.5.0

- CE and CSE must use the same type of server operating system (either UNIX or Windows).
- CSE does not support Itanium. HP-UX 11i v2 or higher is supported on PA-RISC only. When the CE is running on Itanium, CSE can be installed on a separate PA-RISC server.

Supported JVMs for non-J2EE server products

IBM supports the minimum JVM version based on application server support (including both 32-bit and 64-bit JVMs) unless otherwise noted:

- IBM FileNet P8 products on JBoss 4.0.x are supported only with the IBM and Sun JVMs.
- IBM supports the HP, Sun, JRockit and IBM JREs v1.5 as supported by the application server vendor unless noted.
- PE, PA and PS 4.5.0 use only private JREs.
- Deployment Manager requires a minimum version of JRE version 1.5.0.
- RM on HP-UX requires a minimum version of Sun JVM or IBM Developer Kit for Java 5, version 1.5.0_14 (or higher) to run RM Disposition Sweep, Hold Sweep, or the FilePlan Import Export Tool.

IBM FileNet Connectors for Microsoft SharePoint

	Document Libraries 2.2	Web Parts 2.2
Windows SharePoint Services 3.0 Minimum version: Base	✓	✓
Microsoft Office SharePoint Server 2007 Minimum version: Base	✓	✓
WebServices Enhancements 3.0 Minimum version: Base	✓	✓

Databases

Requirements

FileNet P8 products support the operating systems that the database vendor supports. For more information, see the database vendor documentation.

	Business Process Manager					Content Manager			FileNet P8 Expansion Products
	PE 4.5.0	PA 4.5.0	BAM 4.5.0	BPF 4.1.0	WDGT 4.5.0	CE 4.5.0	RE 4.5.0	CFS 4.5.0	SPC 2.2
DB2 Universal Database v9.1 FPx for Linux, UNIX, Windows Minimum version: FP2 Editions: Workgroup, Express, and Enterprise	✓ See Notes		✓	✓		✓		✓	
DB2 Universal Database v9.5 FPx for Linux, UNIX, Windows Minimum version: FP1 Editions: Workgroup, Express, and Enterprise	✓ See Notes			✓	✓	✓ See Notes		✓	✓
DB2 v9.5 FPx for z/OS v1.09 Minimum version: DB2 FP5 Editions: Workgroup, Express, and Enterprise	✓ Remote database only See Notes for additional Info					✓ Remote database only See Notes for additional Info		✓ Remote database only See Notes for additional Info	
SQL Server 2005, SPx Minimum version: SP2 Editions: Enterprise and Standard	✓ Windows only	✓ Enterprise edition only	✓	✓		✓	✓	✓	✓
SQL Server 2008, SPx Minimum version: Base Editions: Enterprise and Standard	2Q 09	2Q 09				1Q 09		1Q 09	✓

	Business Process Manager					Content Manager			FileNet P8 Expansion Products
	PE 4.5.0	PA 4.5.0	BAM 4.5.0	BPF 4.1.0	WDGT 4.5.0	CE 4.5.0	RE 4.5.0	CFS 4.5.0	SPC 2.2
Oracle 10g, 10.2.0.x Minimum version: 10.2.0.2 Editions: Enterprise and Standard, includes RAC	✓		✓	✓		✓	✓ No RAC	✓	✓
Oracle 11g, 11.1.0.x Minimum version: 11.1.0.6 Editions: Enterprise, Standard, Standard One includes RAC	✓ See Notes					✓ See Notes	✓ No RAC	✓	✓ Requires 10g client

NOTES

- DB2 can be installed locally with PE 4.5.0, CE 4.5.0, BPF 4.1, and CFS 4.5.0.
- PE 4.5.0 is not supported on a remote Microsoft SQL Server database when PE is hosted in a UNIX-based environment.
- When installing or configuring PE 4.5.0 on a Windows 64-bit server with a 64-bit version of SQL 2005 you must use the 32-bit ODBC for runtime.
 - If you want the installer to execute the SQL scripts, then you must also configure 64-bit ODBC.
- PE 4.5.0 and BPF systems that are running on DB2, see IBM APAR PJ33685 for more information regarding an “ERROR IN BPF METASTORE INSTALLATION ON RUNNING BPF 4.1”.
- When using PE 4.5.0 with DB2 or z/OS, you might experience intermittent transaction failures which corresponds to a “SQLCODE -906 and MSGDSNT5011 RESOURCE UNAVAILABLE” error on the DB2 server. Apply DB2 APAR PK75567 to resolve this issue.
- PE 4.5.0 and Oracle databases:
 - On 64-bit Windows (both Windows 2003 and 2008) PE 4.5.0 configured with remote Oracle requires the 32-bit Oracle client.
 - On 64-bit Windows 2008 PE 4.5.0 configured with local Oracle supports only 32 bit Oracle database.
 - On 64-bit Windows 2003 R2 PE configured with local Oracle:
 - 32-bit Oracle database is supported
 - 64-bit Oracle database is supported with additional 32-bit Oracle client configured in PATH.

CAUTION Oracle 11 support for PE 4.5.0 is for new installs only until P8PE-4.5.0-001 is released.

- PA 4.5.x local database: Other requirements include:
 - Microsoft SQL Server 2005 Analysis Services, SP2
 - Microsoft Scripting Engine 5.6
 - Microsoft SQL Server 2005 Driver for JDBC 1.2
- PA 4.5.x remote database: Other requirements include:
 - Microsoft SQL Server 2005 Client Software, SP2
 - Microsoft Scripting Engine 5.6
 - Microsoft SQL Server 2005 Driver for JDBC 1.2
- To use Oracle 11g (11.1.0.6) with WebSphere 6.1.0.17 you must apply WAS APAR PK47930
 - WebSphere version 6.1.0.17 and earlier add a custom property at data source creation time that causes benign exceptions in the log.
- After installing Oracle11g (11.1.0.6) Enterprise Edition and client on HP-UX Itanium, there are no 32-bit libraries installed (\$ORACLE_HOME/lib32). This is reported in Oracle bug 6661255. According to Oracle, for Oracle11g and beyond, HP-UX Itanium will no longer create \$ORACLE_HOME/lib32.
 - In order to have 32-bit applications work on HP-UX Itanium, Oracle has separately released HP-UX Itanium 32-bit Instant Client software on <http://otn.oracle.com>
 - Download “Instant Client Package – Basic” for Version 11.1.0.6.0.
- For Oracle 11g on AIX you must install Oracle interim patch 6800649 or Oracle patchset release 11.1.0.7.0.

JDBC drivers

JDBC drivers are not automatically compatible with IBM FileNet P8 products. Only those listed in the following table are supported.

For BPF JDBC Driver support, review the table titled "[JDBC drivers for BPF 4.1.0](#)".

	WebSphere	WebLogic	JBoss
SQL Server 2005, SPx	Microsoft 1.2.2828.1000	Microsoft 1.2.2828.1000	Microsoft 1.2.2828.1000
SQL Server 2008, SPx	1H 09	1H 09	1H 09
Oracle 10g, 10.2.0.x	Oracle 10.2.0.2 Oracle 11.1.0.6.0+	Oracle 10.2.0.2 Oracle 11.1.0.6.0+	Oracle 10.2.0.2 Oracle 11.1.0.6.0+
Oracle 11g, 11.1.6.x	Oracle 11.1.0.6.0+	Oracle 11.1.0.6.0+	Oracle 11.1.0.6.0+
DB2 Universal Database v9.1 FPx for Linux, UNIX, and Windows	IBM Universal 3.3.54 or IBM Universal 3.50.152	IBM Universal 3.3.54 or IBM Universal 3.50.152	IBM Universal 3.3.54 or IBM Universal 3.50.152
DB2 Universal Database v9.5 FPx for Linux, UNIX, Windows, and System z	IBM Universal 3.50.152	IBM Universal 3.50.152	IBM Universal 3.50.152

NOTES

- The Oracle 11.1.0.6.0+ is not bundled with Oracle 11.1.6.x. You must download this driver explicitly.
- To use BAM 4.5.0 with Oracle RAC, you must use the Oracle 10g thick driver 10.2.0.1.0 or higher.
- To use BAM 4.5.0 with SQL Server 2005 on WebSphere 6.1 and higher, you must run with the built-in JDBC drivers.

JDBC drivers for BPF 4.1.0

JDBC drivers are not automatically compatible with IBM FileNet BPF products. Only those listed in the following table are supported.

	WebSphere	WebLogic	JBoss
SQL Server 2005, SPx	For BPF Web Application: WebSphere embedded ConnectJDBC driver for MS SQL Server (Data sources Version 5) For BPF Operations: SourceForge JDBC Driver (JTDS 1.2.2)	For BPF Web Application: BEA MS SQL Server Driver Versions: 7.0, 2000 For BPF Operations: SourceForge JDBC Driver (JTDS 1.2.2)	SourceForge JDBC Driver (JTDS1.2.2)
SQL Server 2008, SPx			
Oracle 10g, 10.2.0.x	Oracle 10.2.0.2	For BPF Web Application: BEA Oracle Driver(Type4) For BPF Operations: Oracle 10.2.0.2	Oracle 10.2.0.2
Oracle 11g, 11.1.6.x			
DB2 Universal Database v9.1 FPx for Linux, UNIX and Windows	IBM Universal 3.3.54	IBM Universal 3.3.54	IBM Universal 3.3.54
DB2 Universal Database v9.5 FPx for Linux, UNIX Windows and System z			

Directory servers

Requirements

FileNet P8 products support the LDAP servers and versions below. However, further limitations might be placed on the LDAP vendor and version by the application server vendor. For more information, see the application server vendor documentation.

	FileNet P8 Platform support
IBM Tivoli® Directory Server 6.0 Minimum version: Base	✓
IBM Tivoli Directory Server 6.1 Minimum version: Base	✓
IBM Tivoli Directory Server 6.2 Minimum version: t.b.d	2Q 09
Novell eDirectory 8.7.3 Minimum version: Base	✓ Encryption of short name is not supported
Novell eDirectory 8.8.x Minimum version: Base	✓ Encryption of short name is not supported
Sun Java Directory Server 5.2 SPx Minimum version: SP3	✓ Referrals are not supported
Sun Java Directory Server 6.x Minimum version: 6.3	✓
Microsoft Windows Server 2003 SPx Active Directory Minimum version: Base	✓ See Notes
Microsoft Windows Server 2003 SPx ADAM Minimum version: Base	✓
Microsoft Windows Server 2008 SPx Active Directory Minimum version: SP1	✓ See Notes
Microsoft Windows Server 2008 SPx Active Directory Lightweight Directory Services Minimum version: Base	✓
Oracle Internet Directory Minimum version: t.b.d	1H 09

NOTES

- Support for multiple active directory realms in a WebSphere environment is available with WebSphere 6.1 and WebSphere 7.0 federated directories only. However, WebSphere does not support overlapping parent and child domains within the same forest. For example: filenet.ibm.com and ibm.com overlap suffixes and therefore are not supported.
- Kerberos ticketing is only supported on Microsoft Active Directory.
- Nested groups are not currently supported in a Novell eDirectory environment.
- WDGT 4.5.0 only supports IBM Tivoli Directory Server 6.0 and Microsoft Active Directory 2003 in a federated repository configuration.

Single Sign On

The following table represents FileNet P8 client support for single sign-on (SSO) For CE and PE with custom applications based on the server APIs, IBM supports the enablement of any SSO solution that is supported by a FileNet P8-supported application server and SSO vendor.

	CA Single Sign On / eTrust SiteMinder6.0 SP3	IBM Tivoli Access Manager 5.1.x	IBM Tivoli Access Manager 6.0.x	Kerberos Support for CE Web Services Clients	SPNEGO Support for AE, WPXT or SharePoint Clients
Reverse Proxy Servers →	Apache HTTP server 2.0.55 or higher w/SiteMinder Web Agent 6.0 QMR 4	WebSeal 5.1	WebSeal	N/A	N/A
WebSphere Application Server 6.1.0.x Minimum version: 6.1.0.17	✓	✓	✓	✓	✓ Minimum levels AE 4.0.2 WPXT 1.1.3
WebSphere Application Server 7.0.0.x Minimum version: 7.0.0.0			1Q 09	✓	✓ See Notes Minimum levels AE 4.0.2
WebLogic Server and WebLogic Platform 9.x Minimum version: 9.2.x	✓			✓	✓ Minimum levels AE 4.0.2 WPXT 1.1.3

	CA Single Sign On / eTrust SiteMinder6.0 SP3	IBM Tivoli Access Manager 5.1.x	IBM Tivoli Access Manager 6.0.x	Kerberos Support for CE Web Services Clients	SPNEGO Support for AE, WPXT or SharePoint Clients
Reverse Proxy Servers →	Apache HTTP server 2.0.55 or higher w/SiteMinder Web Agent 6.0 QMR 4	WebSeal 5.1	WebSeal	N/A	N/A
WebLogic Server and WebLogic Platform 10.0.x Minimum version: MP1	1Q 09			✓	✓
WebLogic Server and WebLogic Platform 10.3.x Minimum version:					
JBoss Application Server 4.0.x Minimum version:				✓	
JBoss Application Server 4.2.x Minimum version:					

NOTES

- Workplace XT 1.1.3.0 does not support WebSphere 7.x.
- WebSphere 6.1 on CE requires the fix for APAR PK54565.

Site Minder and Tivoli Access Manager do not support CE Web Service API clients, .NET API clients, or thick Java applications.

- The following products and features do not use the SSO solution. (You can still use these clients with username and password credentials.)
 - Java API utilization through the COM bridge (Jigluce) is not supported in SSO environments. The PE Web Services API should be used instead.
 - BPM Process Orchestration
 - RE 4.5.0
 - ECM Widgets 4.5.0
- The following applications do not support the Tivoli Access Manager or Site Minder SSO solution. To use these applications, you must deploy a non-SSO configured AE or Workplace XT.
 - AE and Workplace XT Application Integration
 - AE and Workplace XT File Tracker
 - AE ISRA Integration

FileNet P8 Content Engine Web Service support for Kerberos

- Supports use of Kerberos credentials by Content Engine Web Service clients who have performed a Windows integrated logon by using Active Directory.
 - Includes EM and CE 4.x .NET API clients
- Browser-based clients or JAVA API clients do not support Content Engine Web Services Kerberos authentication.
- Kerberos authentication requires:
 - A Windows operating system supported by both .NET and WSE
 - Microsoft Web Service Extensions (WSE) version 2.0 or 3.0
 - Microsoft .NET version 1.1 or 2.0
- Clients built directly against the CE 3.5 WSDL, require Microsoft Web Service Extensions (WSE) version 2.0.
- Clients built directly against the CE 4.0 WSDL, or against the CE 4.0 .NET API, require Microsoft Web Service Extensions (WSE) version 3.0.

SPNEGO based authentication

- Workplace XT supports SSO through Kerberos/SPNEGO environments with Windows Integrated logon using Active Directory.
 - This support includes Workplace XT Application Integration, Application Integration BCS, and Workplace XT File Tracker.
- AE supports SSO through Kerberos
 - To use AE Application Integration and File Tracker in this environment you must deploy a non-SSO configured AE for use with these applications.
- IBM FileNet Connectors for SharePoint Document Libraries and Web Parts deployments support SSO through Kerberos/SPNEGO.
- WebDav supports SSO through Kerberos/SPNEGO.
- ISRA does not support Kerberos/SPNEGO.
- BAM does not support Kerberos/SPNEGO.
- RM 4.5.0 does not support Kerberos/SPNEGO.
- WDGT 4.5.0 does not support Kerberos/SPNEGO.

Client requirements

Browser support

FileNet P8 clients support the browsers listed below on the major operating systems listed, except as noted.

	Business Process Manager and Content Manager									FileNet P8 Expansion Products		
	AE/ Workplace 4.0.2	WPXT 1.1.3.0	Java Applets (BPM, Search, & Publish Designers)4.5.0	CFS 4.5.0	BPF 4.1.0	BAM 4.5.0	Common Components			RM 4.5.0	eForms 4.0.2	SPC Web Parts 2.2
							WDGT 4.5.0	File Tracker 4.0.2/1.1.3	Viewer 4.0.2/1.1.3			
Windows												
Internet Explorer 6.x	✓ Includes WebDav	✓	✓	✓	✓			✓	✓	✓	✓	✓
Internet Explorer 7.x	✓ Includes WebDav	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mozilla Firefox 2.0.x	✓	✓	✓	✓			✓		✓	✓	✓	✓
Mozilla Firefox 3.0.x	✓	✓	✓	✓					✓	✓	✓	✓
Macintosh												
Mozilla Firefox 2.0.x	✓								✓ AE only		✓ AE only	
Mozilla Firefox 3.0.x	✓								✓ AE only		1Q 09	
Safari 2.x	✓								✓ AE only		✓ AE only	

	Business Process Manager and Content Manager									FileNet P8 Expansion Products		
	AE/ Workplace 4.0.2	WPXT 1.1.3.0	Java Applets (BPM, Search, & Publish Designers)4.5.0	CFS 4.5.0	BPF 4.1.0	BAM 4.5.0	Common Components			RM 4.5.0	eForms 4.0.2	SPC Web Parts 2.2
							WDGT 4.5.0	File Tracker 4.0.2/1.1.3	Viewer 4.0.2/1.1.3			
Safari 3.1.x	✓										1Q 09	
Other												
Mozilla Firefox 2.0.x	✓										✓ AE only	
Mozilla Firefox 3.0.x	✓										✓ AE only	

NOTES

- ActiveX must be configured on Internet Explorer for Workplace XT and AE File Tracker.
- BPM applets include process and simulation applets.

Client operating systems

FileNet P8 clients support the following operating systems, except as noted in the table below.

	Content Manager					BPM					FileNet P8 Expansion Products		
	AE/ Workplace 4.0.2	WPXT 1.1.3.0	EM 4.5.0	CMUI 4.5.0	FDM 4.5.0	PA Client 4.5.0	PE VC 4.5.0	BAM 4.5.0	BPF Explore r 4.1.0	WDGT 4.5.0	eForms Designer 5.0.3	eForms 4.0.2	SPC Web Parts 2.2
Microsoft Windows XP SPx Minimum version: SP2 x86, 32-bit Editions: Professional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft Windows Vista SPx Minimum version: Base x86, 32-bit Editions: Business	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Macintosh OS X 10.5	✓											Q1 2009	

The Federal Desktop Core Configuration (FDCC)

FileNet P8 clients support the following FDCC client configurations.

	Content Manager						BPM						FileNet P8 Expansion Products		
	AE/ Workplace 4.0.2	WPXT 1.1.3.0	EM 4.5.0	CFS 4.5.0	CMUI 4.5.0	FDM 4.5.0	PA Client 4.5.0	PE VC	BAM 4.5.0	BPF Explorer 4.1.0	BPM Applets 4.5.0	WDGT 4.5.0	eForms Designer 5.0.3	eForms 4.0.2	SPC Web Parts 2.2
Microsoft Windows XP SPx Minimum version: SP2 x86, 32-bit Editions: Professional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft Windows Vista SPx Minimum version: Base x86, 32/64-bit Editions: Business	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Client applications

	Content Manager				BPM			FileNet P8 Expansion Products
	AE/Workplace 4.0.2		WPXT1.1.3.0		PA Client 4.5.0	BPF Explorer 4.1.0	PE VC 4.5.0	SPC Web Parts 2.2
	Microsoft Office Integration	WebDav	Microsoft Office Integration	Application Integration BCS				
Microsoft Office XP SPx Minimum version: SP3 Operating systems: Windows XP SPx, and Windows Vista		✓					✓	
Microsoft Office 2003 SPx Minimum version: Base Operating systems: Windows XP SPx, and Windows Vista SPx	✓ Minimum version: SP2	✓ Minimum version: SP1	✓ Minimum version: SP2		Excel SP3 See Notes for additional requirements		✓	✓
Microsoft Office 2007 SPx Minimum version: Base Operating systems: Windows XP SPx, and Windows Vista SPx	✓	✓	✓	✓	✓		✓	✓
Adobe® GoLive 6.0/Adobe GoLive CS2 Minimum version: Base Operating system: Windows XP, Windows Vista, and Microsoft Windows Server 2003		✓						
Macromedia Dreamweaver MX 2004 (Dreamweaver 8) Minimum version: Base		✓						
Microsoft Windows Explorer for XP SPx Minimum version: Base		✓				✓		
Microsoft Windows Explorer for Vista SPx Minimum version: Base		✓ Requires Microsoft hotfix KB907306				✓		

NOTES

- PA client 4.5.0 also requires:
 - Microsoft Excel 2003, SP3 with Query Analyzer
 - MSXML 6.1
 - SSAS 9.0 OLE DB Provider Microsoft Query (requires custom installation from Microsoft Excel media)
- Application Integration BCS has the following additional requirements which will be installed by the BCS installer if not present:
 - Microsoft .Net Framework 3.5
 - Microsoft Web Services Enhancements 3.0
 - Microsoft Visual Studio Tools for Office 3.0
 - Microsoft Office 2007 Primary Interop Assemblies
 - Windows Installer 3.1

Client Java Runtime Engine (JRE)

FileNet P8 clients are not automatically compatible with JRE updates. IBM recommends you refer back to this guide to confirm support before you apply a newer JRE on the client.

	AE/Workplace 4.0.2 (Search & Publish Designers; Viewer)	Workplace XT 1.1.3.0/ Search, Viewer, Drag & Drop	WDGT 4.5.0	BPM Applets for AE & WPXT	FDM 4.5.0
JRE 1.5.0_09 (5.0)	✓	✓	✓	✓	✓
JRE 1.5.0_11 (5.0)	✓	✓	✓	✓	✓
JRE 1.5.0_12 (5.0)	✓	✓	✓	✓	✓
JRE 1.6.0_00 (6.0)	✓	✓	✓	✓	

Storage device support

CIFS and NFS-Compatible Storage Devices

- FileNet P8 supports Magnetic Network Attached Storage (NAS) devices that enable access through the Network File System (NFS), iSCSI, or Common Internet File System (CIFS). This excludes NAS heads fronting Hierarchical Storage Management (HSM) systems. These devices are not supported.
- To ensure reliable operation and prevent possible corruption or loss of data, FileNet P8 requires NFS version 3 or NFS version 4 with at least an Uninterruptible Power Supply (UPS) backup device for mitigating power-off scenarios.
- An IBM FileNet best practice is to implement a highly available storage system.
- CSE index collections must be located on a disk that is local to the CSE server. Using a remote mounted disk that is accessed for indexing using the network via NFS, PCNFS, or CIFS is not supported. Searching is supported for NSF, PCNFS or CIFS mounted collections.

Centera support

CE 4.5 can be configured to store content in EMC Centera Basic, Governance and Compliance Edition Plus storage devices. This capability is qualified with Centera SDK version 3.2.607 and supported in connection with all versions of CentraStar that are compatible with this version of the SDK.

NOTES

- Support is limited to the functionality described in the FileNet P8 documentation
- New CentraStar features are not automatically supported.
- Installing any version of the Centera SDK on the CE server, in whole or in part, over the FileNet-installed version is not supported.
- See the support matrix below titled “Protected storage” for platform restrictions.

Network Appliance SnapLock support

CE 4.5 can be configured to store content in Network Appliance’s SnapLock-enabled storage devices using a CIFS or NFS mount. CE supports both SnapLock Enterprise and Compliance Editions. This capability is qualified with Network Appliance OnTap 7.2 and SnapLock API 1.5.

NOTE For platform restrictions, see “[Protected storage](#)” on page 36.

Protected storage

The following table indicates IBM FileNet P8 support for protected storage devices.

	Centra SDK 3.2.607 CentraStar all editions	NetApp Ontap 7.2 / SnapLock API 1.5
IBM AIX 5.3 Minimum version: ML4 IBM POWER-based processors, 64-bit	✓ Requires maintenance pack 5300-003 or higher	✓
IBM AIX 6.1 Minimum version: Base IBM POWER-based processors, 64-bit	Pending Vendor	✓
Microsoft Windows Server 2003 SPx Minimum version: SP1 x86, 32/64-bit Editions: Standard, Enterprise, and Datacenter Includes R2	✓ Standard edition only	✓
Microsoft Windows Server 2008 Minimum version: Base x86, 64-bit Editions: Standard, Enterprise, and Datacenter	Pending Vendor	✓
Sun Solaris 9 Minimum version: Base SPARC, 64-bit	✓	✓
Sun Solaris 10 Minimum version: Base SPARC, 64-bit	✓	✓
HP-UX 11i v2 Minimum version: Base PA-RISC and Itanium, 32/64-bit	✓ Itanium only	✓
HP-UX 11i v3 Minimum version: Base PA-RISC and Itanium, 32/64-bit		✓

	Centra SDK 3.2.607 CentraStar all editions	NetApp Ontap 7.2 / SnapLock API 1.5
Red Hat Enterprise Linux 4.x Minimum version: Base x86, System Z, 32/64-bit Editions: AS, ES, WS	✓ X86 only AS only	✓
Red Hat Enterprise Linux 5.x Minimum version 5.1: x86, System Z 32/64-bit Editions: AS, ES, WS	✓ x86 only	✓
	Centra SDK 3.2.607 CentraStar all editions	NetApp Ontap 7.2 / SnapLock API 1.5
Novell SUSE Linux Enterprise Server 9 SPx Minimum version: Base x86, System Z ,32/64-bit Editions: SLES	✓ Minimum version: SP1 X86 only	✓
Novell SUSE Linux Enterprise Server 10 SPx Minimum version: Base x86, System Z , 32/64-bit Editions: SLES	✓ X86 only	✓

Development requirements

Content and Process APIs

- For EJB development: only homogenous application server environments between client and CE server are supported. For all other CE client application development: CEWS transport configuration must be employed.
- For clients running within J2EE application servers (including standalone Java clients using EJB transport), the JDK/JRE must be supported by the application server vendor.
- For the P8 Content Manager and Process Java APIs:
 - JDK/JRE 1.4.2 and later is supported.
 - JDK/JRE 1.5.x and later is supported.
 - JDK/JRE 1.6.x and later is supported.
- JDK/JRE 1.7 is not supported.
- JDKs/JREs must be entitled to use the "Java Compatible" logo (<http://www.java.com/en/about/brand/>), which means, among other things that they have passed Java Certification Kit (JCK) testing. Exceptions include the following JDKs/JREs:
 - WebLogic 9.2 and WebLogic 10 with JRockit deployments require JRockit 1.5.0_14 or higher.
 - WebLogic 9.2, WebLogic 10 and JBoss 4.0.x with Sun JDK deployments require version 1.5.0_07 or higher.

Content and Process Web Services APIs

Development and Client Runtime Environment	CE Web Services 3.5.0 Endpoint	CE Web Services 4.0.0 Endpoint	PE Web Services
Microsoft Visual Studio 2003 .NET Framework 1.1 SP1 and WSE 2.0 SP2 or higher	✓		✓
Microsoft Visual Studio 2003 .NET Framework 2.0 base and WSE 2.0 SP2 or higher	✓		✓
Microsoft Visual Studio 2005 .NET Framework 2.0 or higher WSE 3.0, MTOM attachments		✓	✓
Microsoft Visual Studio 2008 WSE 3.0 / WCF, MTOM attachments		1H 09	1H 09
WebSphere Studio Application Developer 5.1			✓
IBM Rational® Application Developer for WebSphere Software v6.0 Interim Fix PQ98856: no support for attachments	✓		
IBM Rational Application Developer for WebSphere Software v7.0 Attachment support is TBD		1H 09	

NOTE PE Java API utilization through the COM bridge (Jiglu) is not supported in SSO environments. The PE Web Services API should be used instead.

Additional support statements

Remote Services

IBM FileNet supports Terminal Services using Console Mode only.

Microsoft Terminal Services		
	Remote Desktop Connection Console Mode version 5.2	Remote Desktop Connection Console Mode version 6.0
Microsoft Windows Server 2003 SPx Minimum version: SP1 x86, 32/64-bit Editions: Standard, Enterprise, and Datacenter Includes R2	✓	✓
Microsoft Windows Server 2008 Minimum version: Base x86, 32/64-bit Editions: Standard, Enterprise, and Datacenter		✓
Microsoft Windows XP SPx Minimum version: SP2 x86, 32-bit Editions: Professional	✓	✓
Microsoft Windows Vista SPx Minimum version: Base x86, 32/64-bit Editions: Business		✓

Citrix

FileNet P8 4.5 with Citrix remote access products is supported with the following use-case exceptions:

- Installation of FileNet P8 software is not supported.
- Administration of PE and process-related services is not supported.

IPv6

	Content Manager							Business Process Manager						FileNet P8 Expansion Products		
	AE 4.0.2	CE 4.5.0	WPXT 1.1.3.0	CSE 4.5.0	CFS 4.5.0	P8 Portlets	RE 4.5.0	PE 4.5.0	PA 4.5.0	PS 4.5.0	BPF 4.1.0	BAM 4.5.0	WDGT 4.5.0	eForms 4.0.2	RM 4.5.0	SP2.2
IPv6 compliant	✓	✓	✓		✓			4Q 08	4Q 08	4Q 08		4Q 08		✓	✓	✓

NOTES

- The operating system level, the database level, and the browser version must be certified as IPv6 compliant by the vendor.
- FileNet P8 supports a dual-stack configuration. You can run AE, Workplace XT, or CE in an IPV6 configuration using PE, PA, or PS systems in an IPv4 configuration.

JAWS support

The table below does not guarantee complete accessibility of IBM FileNet P8 Products running in JAWS—but rather indicates the products that support usage of this tool.

	Content Manager						Business Process Manager			FileNet P8 Expansion Products		
	FDM 4.5.0	CMUI 4.5.0	EM 4.5.0	AE 4.0.2	CFS 4.5.0	WPXT 1.1.3.0	Process Administrator 4.5.0	Process Config Console 4.5.0	WDGT 4.5.0	eForms 4.0.2	Desktop eForms 6.0	SPC Web Parts 2.2
JAWS 9.0		✓		✓	✓	✓	✓	✓	✓	✓		✓

NOTE The other process Java applets (Task Manager, Process Designer, and Tracker) are not supported with JAWS.

Proxy and firewall support

Proxy and firewall products must be HTTP 1.1 compliant.

ORB support

PE clients support usage of the IBM or the Sun ORB in the following configurations:

- J2EE application server clients such as Workplace or Workplace XT must use the IBM or the Sun ORB.
- CE must use the IBM or the Sun ORB when using the workflow subscription processor to launch workflows. In this context CE is a client of PE.
- Non J2EE and custom applications must use the IBM or Sun ORB.
- The default ORB varies by application server so in most instances no changes are required, however in certain configurations you must override the defaults. Details can be found in the “Configure Process Engine clients for ORB” section of the *Plan and Prepare your Environment for IBM FileNet P8* guide. To download this document, see [Access IBM FileNet documentation, compatibility matrices, and fix packs](#) on page 8.

File system encryption technologies

The following can be used with NTFS file systems on top of the appropriate storage technology:

- Decru (SAN)
- Vormetric (DAS/NAS/SAN).
- IBM Encryption Expert

Windows-based NTFS encryption and Windows FS encryption (DAS) are not supported.

Load balancing

In general, IBM FileNet P8 Platform provides an infrastructure that can be leveraged by any high availability technology. IBM FileNet P8 Platform supports with any http-based load balancing products. However, it is prudent to do a proof of concept test, or even a pilot project, to confirm that the configuration functions as expected. For more information, see the *IBM FileNet P8 High Availability Technical Notice*. To download this document see, [Access IBM FileNet documentation, compatibility matrices, and fix packs](#) on page 8.

FileNet P8 application deployment notes

Content Federation Services and Content Services

CFS 4.5 has a minimum requirement of IBM Content Integrator 8.5.

Source repository support through IBM Content Integrator 8.5

Content Services

- CS 5.4 and CS 5.5
- IDM Web Services 4.0.2-FP3

IBM Content Manager 8

- CM8 8.4.1
- Workplace XT 1.1.3 is required for viewing CM8 ModCA documents

Livelink

- Livelink 9.6 (June 2007 monthly patch or later)
- Livelink 9.7

NOTE If you have a hard requirement for Livelink 9.5, contact customer support. For more information, see [“Contact customer support”](#) on page **Error! Bookmark not defined..**

Documentum

- Documentum 5.3 SP4
- Documentum 6.0

Source repository support directly with Content Engine 4.5

CFS-CMOD integration

- CFS-CMOD has a minimum requirement of CM OnDemand 8.4.1
- Workplace XT 1.1.3 is required for viewing all CMOD documents (including AFP and LineData documents)

NOTE While this version of Workplace XT does support 64-bit servers the CMOD product is not supported for 64-bit servers.

CFS-IS integration

- CFS-IS 4.5 has a minimum requirement of IS 4.1.1.
- IS 4.1.2 pending support 4Q 08

ECM Widgets

ECM Widgets 4.5.0 supports and includes IBM Mashup Center v1.0 and WebSphere 6.1.0.13. Customers must also install IBM Mashup Center fix pack v1.0.0.1.

Records Manager and Crystal Reports

Crystal Reports XI Developer and Server Editions are optional components that support RM reporting capabilities. When these optional components are used, the Crystal Reports server must have the following versions. Only the versions stated here are supported:

- Release 1, service pack 2, and hotfix packs 1 and 2
- CE Java client files installed

Required Crystal Reports components are:

- Crystal Reports Server XI
- Crystal Report Designer XI

Qualification of Crystal Reports 2008 is planned for Q1 2009.

IBM FileNet Connector for Microsoft SharePoint Web Parts and Workplace XT

- The IBM FileNet Connector for Microsoft SharePoint Web Parts 2.1 requires Workplace XT 1.1.1.0.
- The IBM FileNet Connector for Microsoft SharePoint Web Parts 2.2 requires a minimum of Workplace XT 1.1.2.0.
- The IBM FileNet Connector for Microsoft SharePoint Web Parts 2.2 workflow functionality requires P8AE-4.0.1-003 and Workplace XT 1.1.2.0.
- The IBM FileNet Connector for Microsoft SharePoint Web Parts 2.2 inbox for eForms workflows using a Firefox browser requires P8AE-4.0.1-004 and Workplace XT 1.1.3.0.

FileNet P8 components collocation

Assuming a system is adequately sized, and unless stated otherwise by either IBM or a third-party vendor, IBM does not require that FileNet P8 run in isolation of other FileNet P8 or third-party components. From an IBM perspective, exceptions to the aforementioned policy are listed below. For third-party components, the appropriate vendors support documentation should be reviewed to assure functionality and support.

Unless otherwise stated, the term collocation refers to the same server instance. Partitioned or virtualized servers are considered stand-alone server instances.

Application server collocation support

Deployments requiring multiple instances of a J2EE application server must be deployed using the same version and release of that particular application server. The only exceptions to this rule are:

- When a portal server is deployed. Portal servers must be from the same software vendor and use the same major version as the AE and CE application server, but can be different minor releases. This is true for all FileNet P8 components and across single and multi-server deployments.
- When WDG 4.5.0 is deployed, the application servers must be from the same software vendor and use the same major version as the AE and CE application server, but can be different minor releases. This is true for all FileNet P8 components and across single and multi-server deployments.

Content Engine

CE is not supported with a CE-farm consisting of a combination of Windows-based and UNIX-based systems. Each CE farm must be either entirely Windows-based or UNIX-based. However, running different types of UNIX systems is supported.

Connections to remote file stores must use NFS for UNIX and CIFS for Windows

CE should be deployed in its own application server instance also referred to as deployed into a single JVM. For example, if you are running WebSphere this means you deploy into the application server running within a profile. No other J2EE applications (including AE) may be deployed within this instance. Other J2EE applications may be deployed in their own, separate application server instance if the server is sized appropriately.

The application server clustering technology may be used to create multiple server instances of CE providing a highly available and scalable solution. Application server clustering technology allows multiple JVMs to run as a single application, which may be spread across multiple physical servers.

If WebSphere Network Deployment (WAS ND) edition is used as the clustering technology, then other non-FileNet P8 applications can be deployed in the same ND deployment. However, if a non-FileNet P8 application requires an LDAP configuration that is different from the one needed by FileNet P8, then that non-FileNet P8 application cannot be in the same WAS ND installation as FileNet P8.

Content Search Engine

You can not collocate the two Verity installations (Verity Admin Master and the Verity Admin Server) on the same server.

Process Engine

PE cannot be collocated with Image Manager (Production Image Services).

Application Engine and Workplace XT

- Each instance of AE or Workplace XT must have its own application server instance. (For example in WebSphere this means a separate profile)
- Collocation of Workplace XT with AE is supported.
- Workplace XT and AE do not share any configuration files, site preferences, or user preferences.
- Application Integration and File Tracker for Workplace XT and Application Integration and File Tracker for AE are mutually exclusive. Once Application Integration and/or File Tracker have been installed from either Workplace XT or AE, they will function properly only when used in conjunction with the application that they were installed from (that is, either AE or Workplace XT).

eForms

- The eForms server must be collocated with AE in the same application server instance that is, both components share the same JVM. For example in WebSphere this means the same profile.)
- eForms works with AE or Workplace XT and if AE and Workplace XT are collocated, eForms must be installed on both applications.

ECM Widgets

- WDGT 4.5.0 has a minimum requirement of IBM Mashup Center v1.0.0.1 with WebSphere 6.1.0.13. Therefore, the ECM Widgets cannot be collocated with CE, which has a minimum WebSphere requirement of WebSphere 6.1.0.17.
- ECM Widgets can only be used with a FileNet P8 environment that uses WebSphere as the application server technology.
- In a production environment, IBM recommends that you do not use the same instance of Workplace XT for both ECM Widgets usage and for standard FileNet P8 Platform usage. Separate Workplace XT instances enable the systems to be tuned for performance based on usage. In a development environment, joint usage with a single instance of Workplace XT is acceptable.

Database collocation support

DB2

CE, PE, IS, CFS and BPF Metastore can share the same database instance. CE, PE, IS and BPF Metastore each require a separate database and each CE object store requires a separate database.

Microsoft SQL Server

CE, PE, IS, CFS and BPF Metastore can share the same database instance. CE, PE, IS and BPF Metastore each require a separate database and each CE object store requires a separate database.

Oracle

CE, PE, IS, CFS and BPF Metastore can share the same database and instance. CE, PE, IS and BPF Metastore each require a separate schema with their own distinct tablespaces.

Single sign on

When using an SSO solution, both the policy server, and the reverse proxy server must reside on separate servers, which are not hosting any other FileNet P8 software.

Staged upgrades

If you are upgrading from IBM FileNet P8 Platform version 4.0 components, including supported expansion products, you can choose to upgrade the components over an extended period of time. This means that you can upgrade one component and still have a working configuration without upgrading all components during the same upgrade session. For more information, see “Upgrade Overview” in *Plan and Prepare Your Environment for IBM FileNet P8*. To download this document, see [Access IBM FileNet documentation, compatibility matrices, and fix packs](#) on page 8.

Server virtualization technologies

Support statement

<http://www-01.ibm.com/support/docview.wss?&uid=wws1e333ce0912f7b152852571f60074d175>

Unless otherwise noted, FileNet P8 does support deployments in a virtualized environment. Virtualization technologies are designed to be transparent to the software that they host, and not require special effort from the software vendors for their use. Testing in the IBM labs has found that while this is largely true, systems deployed in a virtualized environment might have issues related to performance and communication with peripheral devices, and other hardware components.

With regard to performance, running in a virtualized environment is likely to result in increased CPU utilization, or other hardware resource consumption. Because of this increase, system workload capacity might be reduced, and transaction response times might increase.

To that end, assuming that the virtualized machine is configured per FileNet P8 requirements, IBM supports deployments of all FileNet P8 products, unless otherwise noted, in a virtualized environment. However, in a virtualized environment, IBM might not be able to resolve issues related to system performance or issues that IBM suspects are related to communication with peripheral devices, and other hardware components, such as network cards and disk controllers.

In the event that IBM determines a particular issue is specific to virtualization technologies (such as performance or communication with peripheral and hardware components), IBM might require that the customer reproduce the issue in a non-virtualized configuration. Due to the nature of virtualization technologies, IBM cannot guarantee resolutions to issues that are caused because a deployment is virtualized.

Additionally, it is the customer’s responsibility to ensure that other associated third-party software is supported to run in the given virtualized environment such as application servers, databases, and operating systems by the original vendor of that software.

Because virtual environments use more machine resources than non-virtual environments, IBM strongly recommends you gather baseline performance statistics from both types of environments and compare the results with your IBM representative before making any decisions about virtualized environments.

Benchmarking Tools

The following benchmark tools are free and are capable of measuring various aspects of networking performance:

- NETPERF: <http://www.NETPERF.org/NETPERF/NETPERFPage.html>
- NETIO: <http://www.ars.de/ars/ars.nsf/docs/NETIO>

VMWARE White Paper

Review the VMware white paper titled “*Network Throughput in a Virtual Infrastructure*” <http://www.vmware.com/pdf/esx_network_planning.pdf>, which “... examines the applications deployed on top of a virtual infrastructure and discusses the factors that affect the network throughput of virtualized applications”, for additional NETPERF tests and performance characteristics.

Recommendations

At a minimum, you should collect and analyze processor utilization and network throughput statistics while:

- Running the Netperf tool (as defined in the VMware white paper)
- Transferring large files
- Running the Netio tool

You might also consider collecting and analyzing disk transfer statistics as well.

Known issues

Items listed in this section are known issues when certain IBM components are deployed in a virtualized environment.

Content Engine

When deployed on VMware, there are known performance issues related to content retrieval and authoring when using CE. The severity of the performance issue can vary depending on other specifics of the deployment. Each customer will need to perform their own testing to ensure the system configuration is performing to their satisfaction. IBM has reported this issue to VMware, and it is currently under investigation.

Minimum hardware requirements

The following table identifies the recommended minimum disk space and memory requirements. Disk space requirements are for FileNet P8 software applications only. Additional space might be required for data and related independent software vendor applications. Memory requirements are highly dependent upon actual transaction workloads and user activity. Recommendations are estimates for entry-level deployments.

Component	Disk Space (MB)	Temp Space (MB)	Memory
Application Engine	1500	300	1 GB per JVM
Business Activity Monitor Client	N/A		512 MB
Business Activity Monitor Server	250 MB		2 GB
Business Process Framework			
BPF Documentation			
CFS	320		2 GB
Configuration Manager	35		60 MB
CFS Documentation			
Content Engine Installer	2,000	2 GB	2 GB per JVM
Content Search Engine/Locales See Notes	7,000/5GB	300 Locales t.b.d	2 GB
Deployment Manager	40		
eForms	250		2 GB per JVM
ICI 8.5	512		500 MB
Image Services	1000		256 MB per CPU
P8 Documentation	100		512 MB
P8 Portlets	t.b.d		t.b.d
Process Engine	1200	510	2 GB
Process Analyzer	200		2 GB
Process Analyzer, client	5		128 MB
Process Simulator	200		2 GB
Records Manager	367		1 GB/JVM
RM Documentation	18		
Rendition Engine	10,000	2 GB	1 GB
SharePoint Document Libraries (remote installation/ not co-located with SharePoint)	500		2 GB
SharePoint Document Libraries IBM FileNet Connector for SharePoint Web Parts (co-located with SharePoint IIS service)	See the SharePoint system requirements		See the SharePoint system requirements
Upgrader Tool	25		2 GB
WDGT 4.5.0	100		2 GB
Workplace XT	1800	350	1 GB per JVM

NOTES Content Search Engine – The required space for the index collections will vary depending on the amount of content being indexed.

Revision table

Date	Description
01/14/2009	Added caution about Oracle 11 support for PE 4.5.0
12/12/2008	Added note for PE and z/OS and DB2 to Database section Updated note for BAM JDBC table Added note that BAM is not supported on System Z Added new section for load balancing Updated App Int BCS requirements Updated XT disk space requirements Updated Crystal Reports for RM requirements Updated CFS Livelink requirements Updated SharePoint requirements for WPXT Added note that 64-bit is not supported with CFS-CMOD Added PE Oracle database requirements for 64-bit operating systems Added note for PE and SQL requirements for 64-bit operating systems Added new column for temporary disk space requirements Updated references to zLinux and System z
11/17/2008	Updated document number to SC19-2727-00 Added WebSphere 7.0.0.x information to the Single Sign On table
11/14/2008	Initial 4.5.0 version

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