FileNet P8

Version Tools Technical Notice

Release 3.5.0

April 2005

Introduction

The FileNet P8 setup programs install a set of version tools to identify specific software release levels of Application Engine, Content Engine, and Process Engine software components. You can use these tools, for example, to determine whether you are running the level of software necessary to perform system upgrades. The tools are also useful for FileNet Support personnel for various FileNet P8 troubleshooting and general support situations.

The tools gather information on FileNet (and some third-party) components, namely:

- the location of the software component.

- the release version of the software component (denoted by the software build number).

This document defines the location of the tools, provides instructions for running the tools, lists the available options within each tool, and provides a list of the minimum component release or patch levels you must have installed before upgrading to the next release of FileNet P8 software.

NOTE You should use the FileNet P8 3.5.0 Version Tools from the FileNet P8 3.5.0 software media. Send your email questions to: upgrade@filenet.com

Content Engine version tools

Content Engine has three different version tools. One is a wizard-based graphical user interface tool that prompts you for the necessary input. The other two are command-line tools -- one for Windows-based files, the other for Java-based files.

Content Engine version tools installation location

The Content Engine setup program installs all three of its version tools onto the Content Engine server in:

Program Files\FileNet\Content Engine

Content Engine wizard-based version tool

To run the Content Engine wizard-based version tool

1. Navigate to the version tools on the Content Engine server. See .

2. Launch the following program from Windows:

versionCE.exe

3. Specify the following values in the wizard screen:

- Output File Path (e.g., C:\Winnt\Temp)

- Option to Append or Overwrite the output file if it already exists

- Option to display All Properties or only the Primary Properties version information (Comments, Product Name, and Product Version)

- Option to specify output file format as .csv or .txt

- Option to include Byte Count Info (file sizes) in the output file

4. Click **Launch CEVersionInfo**.

   When the tool completes, a message displays the path and filename of the log file.

5. Click **OK**.

6. Check the output file. See ""Content Engine version tools output-file location" on page 4.

Content Engine command-line version tools

FileNet provides two command-line variations of the Content Engine version tool:

versionWinDir.exe	Logs version information about .exe, .dll, and .ocx files.
versionCE.jar	Logs version information about .jar files.

To determine the Content Engine release version, run versionWinDir.exe, since most Content Engine programs are Windows-based .exe, .dll, and .ocx files.

However, if you are looking for version information about a related .jar file that was included in a particular patch or hotfix pack, then run versionCE.jar.

Content Engine versionWinDir.exe command-line version tool

Use the versionWinDir.exe command-line executable for finding the software versions of Content Engine .exe, .dll and .ocx files.

To run versionWinDir.exe

1. In a command prompt window, navigate to the version tools on the Content Engine server. See "Content Engine version tools installation location" on page 1.

2. Type the following command and parameters on the command line and press **ENTER**:

   versionWinDir.exe -d *<dirPath>* -o *<outputFilePath>* -a [*append/overwriteFlag*] –b [*byteCountFlag*] -p [*allProperties/SubsetFlag*]

   Parameters

dirPath	Is the directory in which to search for .dll, .exe, and .ocx files. If no value is specified, the tool searches the Content Engine installation directory.
	NOTE The closing backslash for the dirPath must be present as shown in the example below.
outputFilePath	Is the path – including file name and file type for the output file. The output file type can be either .csv or .txt (default is .csv).
append/overwriteFlag	Optional. Is either True to append output to any existing text in the output file, or False to overwrite the existing output file. Default is False.
byteCountFlag	Optional. Is either True to display the byte count (file size) of each located file, or False to withhold this information. Default is True.

allProperties/ *SubsetFlag*	Optional. Is either True to display all properties of the located files, or False to display the following subset of properties: Comment, Product Name, Product Version. Default is False.

Example

versionWinDir.exe -d "C:\Program Files\FileNet\Content Engine\" -o "C:\Program Files\FileNet\Content Engine\Log\CE_VerInfo.csv" -a True -b True -p True

NOTE You need to apply quotation marks around the path entry only if a space is present in a file or directory name.

3. Check the output file. See .

Content Engine versionCE.jar command-line version tool

Use the versionCE.jar command-line executable to find the software versions of Content Engine .jar files.

NOTE You must either place the "C:\Program Files\FileNet\Content Engine_jvm\bin" folder in the system path or run the command from this folder.

To run versionCE.jar

1. In a command prompt window, navigate to the version tools on the Content Engine server. See .

2. Type the following command and parameters on the command line and press **ENTER**.

   java –cp versionCE.jar <jar_file_name> <output_file_name>

   Parameters

-cp	Is the ClassPath flag.
jar_file_name	Is the absolute path of the .jar file whose version information you want.
output_file_name	Is the absolute path of the file to which output should be appended. If the file is not found, versionCE.jar will create a new output file. The folder must be present before running the tool.

Example

Java -cp versionCE.jar com.filenet.versionCE.versionJar "C:\Program Files\FileNet\Content Engine\WFLauncher.jar" "C:\Log\VersionInfo.txt"

NOTE You need to apply quotation marks around the path entry only if a space is present in a file or directory name.

3. Check the output file. See .

Content Engine version tools output-file location

versionCE.exe output file

The default output file for versionCE.exe is **CEVersionInfo.csv** which is a CSV file, not a text (.txt) type file. If you need a different file name, use the versionWinDir.exe program. The file is saved to the folder location entered in the wizard screen.

versionWinDir.exe output file

The output file folder location and file name for versionWinDir.exe will be the values entered on the command line when it is executed.

versionCE.jar output file

The output file folder location and file name for versionCE.jar will be the values entered on the command line when it is executed.

Process Engine version tool

The Process Engine has a single Java-based tool for determining the currently running software version.

Process Engine version tool installation location

The Process Engine setup program installs its version tool onto the Process Engine server in:

Windows

<drive>:\FNSW\BIN

UNIX

/fnsw/bin

Process Engine versionPE.jar version tool

To run versionPE.jar

1. In a command window, navigate to the version tool on the Process Engine server. See ""Process Engine version tool installation location" on page 4.

2. Type the following on the command line and press **ENTER**.

    Windows

      java.exe –cp C:\FNSW\BIN\versionPE.jar com.filenet.versionPE.versionPE

    UNIX

      java –classpath /fnsw/bin/versionPE.jar com.filenet.versionPE.versionPE

3. Check the output file. See "Process Engine version tool output-file location " on page 5.

Process Engine version tool output-file location

The log files are located in the following directory:

Windows

    <drive>:\FNSW_LOC\logs\version_info\PE_VersionInfo.csv

UNIX

    /fnsw/local/logs/version_info/ PE_VersionInfo.csv

Application Engine version tool

The Application Engine has a single Java-based tool for determining the currently installed software version of Application Engine and eForms for Workplace components.

Application Engine version tool installation location

The Application Engine setup program installs its version tool onto the Application Engine server in:

    <AE_install_dir>\Workplace\WEB-INF\lib

Application Engine versionAE.jar version tool

To run versionAE.jar

1. In a command window, navigate to the version tool location on the Application Engine server. See .

2. Type the following command and parameters on the command line and press **ENTER**.

    java –classpath versionAE.jar com.filenet.versionAE.versionAE *[options]*

Parameters

optional parameters can include:

-help	Is the command help. The tool exits immediately if you type the command and this parameter.
-outputfrmt FormatString	Is the output format. FormatString can be either "txt" or "csv". The default format is txt.
-srchdir SearchDirectory	Is a directory for the tool to search for the Application Engine install directory. Without this option, the search starts from the system root directory. This argument improves the performance.
-output OutputFilePath	Is the output file path and name. The default path is the directory of the current program, and the default file name is AE_VersionInfo.txt.

Example – Jakarta-Tomcat

java –classpath "C:\jakarta-tomcat\webapps\Workplace\WEB-INF\lib\versionAE.jar"
com.filenet.versionAE.versionAE -outputfrmt "csv" -srchdir "C:\jakarta-tomcat" –output
"C:\temp\AEVersionInfo.csv"

NOTE This example includes the entire path to versionAE.jar, which is only required if you do not first
navigate to the version tools location. In this case, you need to apply quotation marks around the path
entry only if a space is present in a file or directory name.

3. Check the output file. See .

Application Engine version tool output-file location

The Application Engine version tool creates its output file in the location you specify when running the tool.
If you specify no location, the tool uses the following default location for the output file:

<directory_of_program>\AE_VersionInfo.txt

Minimum FileNet P8 3.0.0 patch levels required to upgrade to FileNet P8 3.5.0

You must apply the following FileNet P8 3.0.0 hotfix packs (or later) for the components you have installed
before you can upgrade to FileNet P8 3.5.0.

Component	Hotfix Pack	Software Build
Content Engine	P8CE-3.0.0-004	kl165.015
Process Engine	P8PE-3.0.0-002	pe165.015, pui165.021
Application Engine	P8AE-3.0.0-006	per165.30.a17
FileNet eForms	P8eF-3.0.0-002	raptor205.047
Process Analyzer	P8PA-3.0.0-002	pa165.017
Process Simulator	P8PS-3.0.0-002	ps165.007
Rendition Engine	P8RE-3.0.0-001	RenditionEngine20050307

NOTES

- If you have Process Analyzer or Process Simulator installed, you must apply hotfix packs that sup-
  port Process Engine hotfix pack as noted above (currently, P8PA-3.0.0-002 and P8PS-3.0.0-002
  respectively)

- If you have eForms Designer installed, you must apply the hotfix pack that supports the FileNet
  eForms hotfix pack as noted above (currently, no such Designer hotfix pack is required).

To confirm that required minimum patches for FileNet P8 3.0.0 are installed

1. Run the appropriate FileNet P8 version tool(s) on each of the servers hosting FileNet P8 software.

    NOTE No version tool is available or required for Process Analyzer and Process Simulator. Check the
    files note below for the version information on these two optional components.

2. Search the version-tool output files (or other designated files noted below) to verify that the following FileNet P8 component files have a software build version equal to or greater than what is noted in bold below:

Content Engine

Search:The output file you specify for versionWin.exe

Find:FNK_Catalog.dll

See: Comments column for the following entry:

P8 -v**kl165.015** source int0(BUILD13) 1/11/2005

Process Engine

Search:PE_VersionInfo.csv

Find:Any VW*.exe (e.g. VWJs.exe, VWRs.exe, vwldap,exe, etc.)

See:Comments column for the following entry:

Build [**pe165.015**], Built Fri Dec 13 16:23:16 2004

Find:pw.jar

See:Properties column for the following entry:

BuildVersion=3.0.0.186

BuildLine=pui165.021

Application Engine

Search:AE_VersionInfo.txt or AE_VersionInfo.csv

Find:javaapi.jar or wcm.jar

See:properties column in the CSV file

Size = 365 KB

Last Modified Date = Thu Feb 03 16:20:58 PST 2005

Specification-Title = FileNet JavaAPI

Created-By = 1.3.0 (Sun Microsystems Inc.)

Implementation-Title = com.filenet.wcm.javaapi

Implementation-Version = 3.0.0

Specification-Vendor = FileNet Corporation

Manifest-Version = 1.0

Implementation-Version = FfileNet P8 per165.030.a17 Thu 02/03/2005 2:13p

Implementation-Vendor = FileNet Corporation

eForms for Workplace

Search:AE_VersionInfo.txt output file for versionAE.jar

Find:eforms.jar

See:Specification-Title = FileNet P8 Apps

Specification-Vendor = FileNet Corporation

Created-By = 1.3.1_09-b03 (Sun Microsystems Inc.)

Implementation-Vendor = FileNet Corporation

Specification-Version = 2.0.1

Manifest-Version = 1.0

Implementation-Title = com.filenet.forms

Implementation-Version = FileNet P8 per165.30.a17

eForms Designer

To determine the software version for eForms Designer, you can do the following:

- Go to Add/Remove Programs, Select FileNet eForms Designer, "Click Here for Support Information", then see the data next to "Version:".

- On the local machine, go to Programs\FileNet\eForms. Right-click "Designer.exe", then see "Properties", "Version" tab and "File Version".

- Get the version information from the Registry. The version information is stored in the registry as part of what's displayed in the Add/Remove Programs. This key is located:

  HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\{XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX}, "DisplayVersion"

  Unfortunately, the GUID value X'ed out above will change from build to build, so the only way to visually check the registry is to look for the GUID that has "DisplayName"="FileNet eForms Designer." Visually, this will give you the same information as what's available in the Add/Remove Programs interface.

Process Analyzer

Search:pa.jar

Find:pa-ver.properties file

See: The following entries:

#Copyright © 2002-2003 FileNet Corporation. All rights reserved.

#Wed Jun 16 21:46:00 GMT 2004

buildMachine=BUILD02

buildTime=06/16/2004 21\:46\:00

buildPrd=Process Analyzer

buildDateMask=MM/dd/yyyy HH\:mm\:ss

buildVersion=3.0.0.104

buildLine=**pa160.104**

BuiltWithJDK=1.4.2

Process Simulator

Search:simulator.jar

Find:simulator-ver.properties file

See:The following entries:

#Copyright © 2002-2003 FileNet Corporation. All rights reserved.

#Mon Jun 14 22:18:16 PDT 2004

buildMachine=CMBUILD01

buildTime=06/14/2004 22\:18\:16

buildPrd=Process Optimizer

buildDateMask=MM/dd/yyyy HH\:mm\:ss

buildVersion=3.0.0.028

buildLine=**ps160.028**

BuiltWithJDK=1.3.0