

Installation and Upgrade Guide

Installation and Upgrade Guide

Note

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

This edition applies to version 2.2.1.0 of IBM FileNet Connector for SharePoint Web Parts (product number 5724-R96) and to all subsequent releases and modifications until otherwise indicated in new editions.

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Revision log

The following table identifies changes made to this document since the initial release of this document.

Date	Revision
05/13	Initial version of this guide.

About this document

This guide provides installation and upgrade instructions for IBM FileNet SharePoint Connector for Web Parts software. Each release of an FileNet P8 component or expansion product can have multiple software updates available in the form of service packs, fix packs, and/or interim fixes, each with potentially different dependencies and installation requirements. Therefore, before you attempt to install or upgrade IBM FileNet SharePoint Connector for Web Parts, or if you do not intend to upgrade all FileNet P8 components and expansion products to the most current released version, review the list of FileNet P8 Platform releases and their associated dependencies in the IBM FileNet Compatibility Matrix on the Information Management support page (www.ibm.com/software/data/support/). For details on how to find this information, see “[Access IBM FileNet documentation, compatibility matrices, and fix packs](#)” on page 14.

The ideal way to use this guide is as an online PDF installed within the help system. This guide contains links to the FileNet P8 Platform online help system, where you will find important additional information that can help you make decisions about your installation. To take advantage of these links while using this guide, first install the FileNet documentation for IBM FileNet SharePoint Connector for Web Parts. See the *IBM FileNet P8 Platform Installation and Upgrade Guide* topic “Install FileNet P8 Platform documentation” and then the subtopic “Install expansion products and auxiliary documentation.”

Intended audience

This document is intended for software professionals who install FileNet P8 applications. Installation by an IBM FileNet Certified Professional (FCP) is recommended. For more information about the FCP program, contact your IBM FileNet P8 representative.

Typographical conventions

This document uses the following typographical conventions:

Convention	Usage	Example
Bold	Platform-specific headings	Start the application server. WebSphere Refer to IBM WebSphere documentation for more information. WebLogic Refer to BEA WebLogic documentation for more information.
Gray bold	Clickable items, such buttons, and tabs.	Click OK .
	Menu paths or breadcrumb trails.	Select Start > Settings > Control Panels > Display > Screen Saver .
<i>Italics</i>	Variables that require user-supplied values	The calculation is: <i>number of object stores * 16 + number of concurrent users</i> .
	Document titles	You are reading the <i>IBM FileNet P8 Platform Installation and Upgrade Guide</i> .
Monospace	Text that has to be typed by the user	Copy the file by entering the following command: COPY filename
	Code samples	Find the following text in the web.xml file: <context-param><param-name>uploadDir</param-name><param-value>/opt/FileNet/AE/Upload1</param-value> </context-param>
	Display text, such as prompts and error messages	Are you sure you want to delete this object? You do not have permission to delete this object.
	Elements such as filenames, properties, classes and so on, whose meaning might get confused in regular text.	Open the <code>filed</code> file. Enter a value for the <code>new</code> property. Select the <code>senior</code> class.

Convention	Usage	Example
“Text with quotation marks”	User-interface fields that do not use initial capitalization and document headings referenced within a document	See the “Part number” field for the part number. For more information, see “Typographical conventions” on page 9 .
UPPERCASE	Case-sensitive text, where uppercase text is required.	Copy the file by entering the following command: <code>COPY filename</code>

WARNING This document contains examples of text to be typed on a command line. Be sure to manually type the command, rather than copying and pasting it from this document. Otherwise, your command line could contain unrecognized characters and will not execute properly.

About IBM FileNet documentation

By default, this document is distributed as part of the *IBM FileNet P8* help system, but it is also available as a downloadable document from the IBM support Web site. Newer versions of *IBM FileNet P8* documentation are sometimes re-released with other events, such as fix pack releases or documentation refreshes. To ensure that you have the latest revision of a document, compare the document part number of your document to the document part number of the document that is posted on the support Web site:

www.ibm.com/support/docview.wss?rs=3278&uid=swg27010422

For example, the last two digits of “GC31-5585-05” indicate that the specified document has been revised five times after the original publishing, which is designated by 00.

Copy Web documents into the help system and make them searchable

The IBM FileNet P8 help system is designed so that you can download updated copies of this document and copies of other IBM FileNet documents into the *IBM FileNet P8* help system and index them so that they can be retrieved by a search in the help system. However, to search the *IBM FileNet P8* help system, it must be installed as a Web site on a Web server that supports Java™ applications.

For more information, see:

- “[Gather reference documentation](#)” on page 12
- The *IBM FileNet P8 Installation and Upgrade Guide* topic “Install IBM FileNet P8 Platform documentation” about how to install IBM FileNet P8 Platform documentation and update the documentation search index.

Links to additional information

To help you locate additional information about a topic, this document includes links to:

- Other locations in this document.
- External Web sites.
- Topics in the FileNet P8 help system.

Because this document is included in the default FileNet P8 help system, the links to the FileNet P8 help topics work only when you view this document from within the help system. If you view this document from outside of the help system, the links to FileNet P8 help topics do not work.

Gather reference documentation

Following are two tables with information about the IBM FileNet P8 documents that are available as part of the FileNet P8 release. To download these documents from the IBM FileNet support Web site, see [“Access IBM FileNet documentation, compatibility matrices, and fix packs” on page 14.](#)

Installation reference documents

Consider having one or more of the following documents (or help topics) nearby for reference purposes during the installation of IBM FileNet P8 Platform.

Document or help topic name...	Refer to this document...
<i>Plan and Prepare Your Environment for IBM FileNet P8</i>	To confirm the target environment is ready for a FileNet P8 installation or upgrade.
<i>IBM FileNet P8 Platform Installation and Upgrade Guide</i>	For instructions for installing and upgrading documentation, Content Engine, Process Engine, Application Engine/XT.
<i>IBM FileNet P8 Hardware and Software Requirements</i>	To confirm that the target environment has at least the minimum supported levels of software from independent software providers.
<i>IBM FileNet P8 Compatibility Matrix</i>	To confirm that the version of FileNet P8 to be installed is compatible with at least the minimum supported levels of other FileNet products that are or will be used with FileNet P8.
<i>IBM FileNet P8 Release Notes</i>	To familiarize yourself with the new features and known issues associated with the FileNet P8 release.
<i>IBM FileNet P8 Non-English Support Guide</i>	For information about how FileNet P8 supports non-English environments.
<i>IBM FileNet P8 High Availability Technical Notice</i>	For information about how to set up FileNet P8 using clusters, farms and other high-availability software and hardware.
<i>IBM FileNet P8 Performance Tuning Guide</i>	For critical tuning information required to make deployments of all sizes and levels of complexity work efficiently before going into production. Attention This guide provides many specific recommendations for making performance-related choices that are either difficult or impossible to change once the system goes into production.
<i>IBM FileNet P8 Troubleshooting Guide</i>	For troubleshooting tips associated with a FileNet P8 Installation.

Document or help topic name...	Refer to this document...
<i>IBM FileNet P8 help</i> topic: Administration > Enterprise-wide Administration > FileNet P8 Security > Users and Groups	For a complete list of the user and group roles, accounts, and responsibilities required to install, configure, and maintain a FileNet P8 system.
<i>IBM FileNet P8 help</i> topic: Administration > Enterprise-wide Administration > Shutdown and Startup	For information about how to shut down and start up FileNet P8 and any expansion products.

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).

Installation Planning and Procedures

This installation section contains the following major topics:

- [“Installation Planning Considerations” on page 16](#)
- [“Installation Tasks” on page 20](#)

Plan the Installation

The topics in this section provide guidelines and other relevant information to help you plan for the IBM FileNet Connector for SharePoint Web Parts setup.

Installation Planning Considerations

This section lists details to help you prepare your environment for the installation of IBM FileNet Connector for SharePoint Web Parts. Review this information thoroughly before you start the installation.

Important Installation Information

- You must install IBM FileNet Connector for SharePoint Web Parts on each SharePoint server you wish to support with this IBM FileNet software.
- All paths listed in this guide are default locations. If you installed to a location other than the default, remember to substitute the alternate install path appropriately.
- Directory naming must be ASCII characters only.

Software Requirements

Minimum general requirements for installing IBM FileNet Connector for SharePoint Web Parts are as follows:

- IBM FileNet P8 Platform components, including the following:
 - Content Engine
 - Content Search Engine (Autonomy K2), if you require Content-Based Retrieval (CBR)
 - Microsoft .NET Framework runtime
 - Web Service Enhancements for Microsoft .NET runtime
 - Process Engine
 - Application Engine / Workplace, or Workplace XT
 - IBM FileNet P8 documentation server
- Microsoft Office SharePoint Server or Microsoft Windows SharePoint Services
- (Optional) Microsoft SQL Server

For details on supported versions of this software, see [“Access IBM FileNet Documentation, Compatibility Matrices, and Fix Packs” on page 9](#).

CAUTION For collocation of IBM FileNet Connector for SharePoint Web Parts with IBM FileNet Connector for SharePoint Document Libraries, Document Libraries must be at version 2.2.0 with the patch 2.2.0.1 added prior to installing version 2.2.1 of IBM FileNet Connector for SharePoint Web Parts on **every server where the two products are collocated**. Do not install v2.2.0 of IBM

FileNet Connector for SharePoint Document Libraries after installing version 2.2.1 of IBM FileNet Connector for SharePoint Web Parts.

SSL Configuration

To allow for successful SSL connectivity to a Content Engine and Application Engine / Workplace, or Workplace XT server, both SSL certificates must be installed to the Trusted Root Certification Authorities folder of the Local Computer store on the SharePoint server that hosts the IBM FileNet Connector for SharePoint Web Parts. This allows ASP.NET applications to use the certificate on behalf of a user.

NOTE: Within the web parts settings for the Content Engine URL and the Workplace or Workplace XT URL, you must ensure the *host_name* in each URL matches the *host_name* as it is stated in the settings page of the SSL Certificate.

Non-English Environment Installation

NOTE For details on the supported levels of third-party software components and version requirements for non-English installations, refer to the *IBM FileNet P8 Hardware and Software Requirements* guide. To download this document from the IBM support page, see [“Access IBM FileNet Documentation, Compatibility Matrices, and Fix Packs” on page 9](#)

Microsoft SharePoint US English or localized version is required.

When using the Microsoft SharePoint English product, the equivalent version of the Microsoft SharePoint Language Pack must be installed. This enables the localized user interface for IBM FileNet Connector for SharePoint Web Parts.

When using a localized version of Microsoft SharePoint, no additional Microsoft SharePoint Language Pack is required.

Operating System Requirements

To enable IBM FileNet Connector for SharePoint Web Parts to support Windows in non-English environments, install IBM FileNet Connector for SharePoint Web Parts on a localized version of Windows where available.

If the localized version of Microsoft Windows is not available, use the English language version with the regional settings for the appropriate language. Follow the Microsoft Windows instructions for changing the regional settings in the Control Panel.

Install Content Engine Client Connectivity on any localized Microsoft Windows-supported server and client with the relevant Windows regional setting.

When using the Microsoft SharePoint English Product, the corresponding Microsoft SharePoint Language Pack must be installed to enable translations on the IBM FileNet Connector for SharePoint Web Parts user interface. This is also applicable to Microsoft SharePoint Service Packs.

A Microsoft SharePoint Language Pack is not required if the Microsoft SharePoint server contains a fully-localized SharePoint Installation. A Microsoft SharePoint language pack is required if you want to deploy multiple languages on one SharePoint server.

IMPORTANT When creating a Microsoft SharePoint site, the SharePoint site administrator needs to take into account the end-user's preferred locale settings, such as date format. The date format

displayed on a client browser is dependent on the SharePoint user settings. Where a specific SharePoint user locale has not been set, the calendar locale is then based on the SharePoint site settings. In order to display a localized calendar on the client for a particular language, the SharePoint user settings and the SharePoint site settings must match.

Content Engine Requirements

- For Content Engine 4.x, to get support for non-English languages, you must install a language pack. The Content Engine language pack is a single executable that contains the localized default document classes, properties and choice value lists for a single display language. Once the language packs for the Content Engine are installed, IBM FileNet Connector for SharePoint Web Parts integration with the Content Engine enables the display of all default document classes, properties, and choice value lists.

For instructions on installing and deploying a Content Engine language pack, see *Installing FileNet P8 Platform in a Non-English Environment Technical Notice*. To download this document from the IBM support page, see [“Access IBM FileNet Documentation, Compatibility Matrices, and Fix Packs” on page 9](#).

- For Content Engine 4.5, no language pack installation is required because language-related add-ons are built into the baseline software.

Available Languages

IBM FileNet Connector for SharePoint Web Parts installs the following languages:

Language	Locale
Chinese (Simplified)	zh-CN
Chinese (Traditional)	zh-TW
French	fr
German	de
Italian	it
Japanese	ja
Korean	ko
Portuguese (Brazilian)	pt-BR
Spanish	es

Once a translated Microsoft SharePoint site is created and IBM FileNet Connector for SharePoint Web Parts has been added to this site, the translated user interface displays.

Authentication and Database Requirements

IBM FileNet Connector for SharePoint Web Parts supports two methods of user authentication:

- Windows Integrated Authentication - IBM FileNet Connector for SharePoint Web Parts supports Windows Integrated Authentication (SSO) through Kerberos and SPNEGO. Windows Integrated Authentication must be installed and configured in your environment before you run the IBM FileNet Connector for SharePoint Web Parts setup program. Refer to *IBM FileNet P8 Hardware and Software Requirements* for information on Single Sign-on (SSO) and Kerberos.
- IBM FileNet Credential Store - For this method of authentication, you must use a Microsoft SQL Server database to hold user profile information, taking into account the following database requirements:

NOTE For this method of authentication, Application Engine / Workplace must be installed with application-managed authentication to integrate with IBM FileNet Connector for SharePoint Web Parts.

- A user profile database is required. A Microsoft SQL Server database user with Database Creator privileges is required to successfully run the IBM FileNet Connector for SharePoint Web Parts setup program. The setup program prompts you to choose whether to have the user profile database created during installation or use a database that was manually created by the database user. This user is needed only for install. You can remove this user after installation.

NOTE If you create the user profile database manually, create it before running the IBM FileNet Connector for Web Parts setup program because the information is required during the installation process.

- An application pool security account is required. This user account writes to the IBM FileNet Connector for SharePoint Web Parts user profile database. This user can either be the NT AUTHORITY\NETWORK SERVICE user or another user under which the ASP.NET service runs. Be aware that this user has access to user profile information. The application pool security account must have Full Access rights (aspnet_Profile_FullAccess) to the user profile database you create for IBM FileNet Connector for SharePoint Web Parts. These privileges ensure that this user can properly administer the database using the User Administration web part (for example, to add and delete user profiles). See your Microsoft SQL Server documentation for details on how to set database user privileges.
- An encryption key is required. The IBM FileNet Connector for SharePoint Web Parts setup program prompts the user to enter an encryption key during installation. The key can be any string and is used to encrypt the stored user names and passwords in the user profile database. The key itself is stored in the web.config file and a best practice is to encrypt the key using the appropriate Microsoft encryption tool.

Installation Tasks

To install IBM FileNet Connector for SharePoint Web Parts, you must complete the following tasks:

- [Task 1: “Install IBM FileNet Connector for SharePoint Web Parts Documentation” on page 21](#)
- [Task 2: “\(Optional\) Create a Microsoft SQL Server User Profile Database” on page 22](#)
- [Task 3: “Install IBM FileNet Connector for SharePoint Web Parts” on page 23](#)
- [Task 4: “Specify Application Pool Security Account \(FileNet Credential Store Authentication Only\)” on page 29](#)
- [Task 5: “Add and Configure IBM FileNet Web Parts” on page 31](#)

Task 1: Install IBM FileNet Connector for SharePoint Web Parts Documentation

NOTE Before you install IBM FileNet Connector for SharePoint Web Parts, ensure that the latest version of the IBM FileNet P8 Platform documentation is installed on your IBM FileNet P8 documentation server. See *IBM FileNet P8 Platform Installation and Upgrade Guide* for instructions. To download this guide from the IBM support page, see [“Access IBM FileNet Documentation, Compatibility Matrices, and Fix Packs” on page 9](#).

IBM FileNet Connector for SharePoint Web Parts is an expansion product for IBM FileNet P8 Platform. To make the IBM FileNet Connector for SharePoint Web Parts documentation available to your users, add it to an existing installation of the IBM FileNet P8 Platform documentation.

For details and instructions on installing expansion product documentation, see the latest version of the *IBM FileNet P8 Platform Installation and Upgrade Guide*. Pay special attention to the “Install expansion product documentation” subtopic in the “Install IBM FileNet P8 documentation (<your application server>)” task.

Task 2: (Optional) Create a Microsoft SQL Server User Profile Database

NOTE If IBM FileNet Connector for SharePoint Document Libraries is already installed on the server, installed for FileNet Credential Store authentication, then the existing user profile database is used and you don't need to create this database. Continue to [Task 3 "Install IBM FileNet Connector for SharePoint Web Parts" on page 23](#).

This task describes how to manually create the Microsoft SQL Server database that is used to map Microsoft SharePoint users to IBM FileNet P8 user credentials. This task is optional and only needs to be completed if you do not want the IBM FileNet Connector for SharePoint Web Parts setup program to create the database for you. For details, see ["Authentication and Database Requirements" on page 19](#).

To manually create the required MicroSoft SQL Server User Profile Database

1. Log on to the SharePoint machine using an account that has local administrator privileges.
2. Open a command prompt and change the directory to:
`C:\Windows\Microsoft.NET\Framework\v2.0.50727`
3. Enter the following at the command line. This command creates the database and necessary table structure for the user profile database. The entry is case sensitive.
`aspnet_regsql.exe -S <hostname> -U sa -P <sa_password> -d FileNetProfile -A p`
4. Verify the database has been created.

Task 3: Install IBM FileNet Connector for SharePoint Web Parts

This task describes how to install IBM FileNet Connector for SharePoint Web Parts interactively or silently on the SharePoint server.

Before you begin this procedure, ensure all prerequisites are installed. For details, see [“Installation Planning Considerations” on page 16](#).

NOTE The setup program checks your system for (and silently installs, if necessary) a current version of the Content Engine .NET API.

To interactively install IBM FileNet Connector for SharePoint Web Parts

- Log on to the SharePoint machine using an account that has local administrator privileges.
- Launch the 2.2.1.0-SPWP.exe file.
- Complete the IBM FileNet Connector for SharePoint Web Parts Setup wizard screens as follows:

In this screen...	Perform this action...
Introduction	Read the introductory instructions about how to navigate through the setup program screens.
Software License Agreement	Review the software license agreement. Click the option to accept the agreement to proceed with the installation. Click Print to print a hardcopy of the agreement.
Choose Install Path	Specify a directory path in which to install the software, as follows: <ul style="list-style-type: none"> To accept the default installation path, click Next. To re-populate the field with the default install folder path, click Restore Default Folder. To navigate to a different installation path, click Choose and complete the Browse for Folder dialog box.

In this screen...	Perform this action...
Choose Deployment Method	<p>Select one of the following methods of deploying the SharePoint Web Parts:</p> <ul style="list-style-type: none"> Auto-deploy to a single SharePoint web application - Choose this option to have the setup program deploy the IBM FileNet Connector for SharePoint Web Parts solutions to a single web application which you select on the next screen. <p>Enter the SharePoint Load Balanced URL. For example: <i>http://server_name:port_number</i></p> <ul style="list-style-type: none"> Auto-deploy to all SharePoint web applications - Choose this option to have the setup program deploy the IBM FileNet Connector for SharePoint Web Parts solutions to all installed web applications.
Choose Virtual Directories Folder Path	<p>This screen appears only if you chose Auto-deploy to all SharePoint web applications on the previous screen.</p> <p>Enter the full path to the SharePoint Virtual Directories folder. The IBM FileNet Connector for SharePoint Web Parts solutions is be deployed to all web applications stored in this directory.</p> <p>To re-populate the field with the default file path, click Restore Default File.</p> <p>To navigate to a different file path, click Choose and complete the Select a Folder dialog box.</p> <p>NOTE The setup program proceeds only if you enter a valid Virtual Directories folder path.</p>
Choose web.config File Path	<p>This screen appears only if you chose Auto-deploy to a single web application on the previous screen.</p> <p>Enter the path to the appropriate web application's SharePoint web.config file. Multiple web.config files can exist on a single machine -- one for each SharePoint web application (each having its own unique port).</p> <p>To navigate to a different path, click Choose and browse to the new location.</p> <p>NOTE The setup program proceeds only if you enter a valid web.config file path.</p>

In this screen...	Perform this action...
Choose User Authentication Method	<p>Choose how SharePoint users are authenticated when accessing IBM FileNet P8 information.</p> <ul style="list-style-type: none"> Choose IBM FileNet Credential Store to map SharePoint users to IBM FileNet P8 user credentials using a Microsoft SQL Server user profile database. Choose Integrated Windows Authentication to enable this method of authentication. <p>NOTE This method of authentication requires that both the SharePoint Server and IBM FileNet P8 Platform be configured for Single Sign-on. Refer to <i>IBM FileNet P8 Hardware and Software Requirements</i> for information on Single Sign-on (SSO) and Kerberos support.</p>
Database Selection (IBM FileNet Credential Store Authentication)	<p>This screen appears only if you chose IBM FileNet Credential Store as the authentication method.</p> <p>Choose whether you would like to use a pre-existing, manually created database as the user profile database or have the setup program create the user profile database for you.</p>
User Profile Database Information (IBM FileNet Credential Store Authentication)	<p>This screen appears only if you chose IBM FileNet Credential Store as the authentication method.</p> <p>The database information entered here is used to map SharePoint users to IBM FileNet P8 user credentials</p> <p>If you chose to specify an existing database on the previous screen, enter the database information as outlined below.</p> <p>If you chose to have the setup program create the database for you on the previous screen, the following information is pre-populated with default values. Edit the fields as necessary.</p> <p>Database information:</p> <ul style="list-style-type: none"> Database Instance Database Name <p>NOTE If you are using SQL Server configured with named instances, enter the database instance in the following format:</p> <p><i>database_machine\named_instance</i></p>

In this screen...	Perform this action...
Database User Information (IBM FileNet Credential Store Authentication)	<p>This screen appears only if you chose IBM FileNet Credential Store as the authentication method and you chose to have the setup program create the user profile database for you.</p> <p>Enter the following information about the database user who has privileges to create the user profile database:</p> <ul style="list-style-type: none"> Database User - This user must have Database Creator privileges to the SQL Server engine. SQL authentication, not Windows authentication, is used. Database Password.
User Credential Encryption Key (IBM FileNet Credential Store Authentication)	<p>This screen appears only if you chose IBM FileNet Credential Store as the authentication method.</p> <p>Encryption Key - Type in a key (any string) to be used to encrypt the stored user names and passwords in the user profile database. The key itself is stored in the web.config file. As a best practice, encrypt this key in web.config (using the appropriate Microsoft encryption tool).</p>
Choose aspnet_regsql.exe location	<p>This screen appears only if you chose IBM FileNet Credential Store as the authentication method and the aspnet_regsql.exe file is not detected in the following default location:</p> <p>C:\WINDOWS\Microsoft.NET\Framework\<version>\aspnet_regsql.exe</p> <p>Enter the full path of the aspnet_regsql.exe file. This file is the Microsoft SQL Server file used to create the user profile database. The setup program prompts for the file location only if it cannot detect it otherwise.</p> <p>To re-populate the field with the default file path, click Restore Default File.</p> <p>To navigate to a different file path, click Choose and complete the File Path dialog box.</p> <p>NOTE The setup program proceeds only if a valid aspnet_regsql.exe file is detected.</p>

In this screen...	Perform this action...
Specify Web Part Properties	<p>Enter the following information, which is applied to each web part you add to SharePoint web site pages later. You can leave these entries blank during installation, but then users will need to manually enter them later each time they add IBM FileNet Connector web parts to SharePoint pages.</p> <ul style="list-style-type: none"> Content Engine URL - URL can be found on the IBM FileNet Enterprise Manager logon screen. For example: <code>http://server_name:port/wsi/</code> Workplace XT (Application Engine) URL. For example: <code>http://server_name:port/WorkplaceXT/</code> Process Engine URL - This is the URL for the Process Engine Web Services on the Content Engine server. For example: <code>http://content_engine_host:port/wsi/ProcessEngineWS/</code> Process Engine Connection Point - String value set in IBM FileNet Enterprise Manager. Documentation Server URL (for the IBM FileNet P8 documentation server). For example: <code>http://server_name:port/ecm_help/nav/sp_start.htm</code>
Pre-Installation Summary	<p>Review the pre-installation information summary and click Install.</p> <p>CAUTION Once the installation process begins, the operation cannot be cancelled. The IBM FileNet Connector for SharePoint Web Parts solutions auto-deploy on the SharePoint server.</p>
Install Complete	<p>Review the installation summary.</p> <p>If there were errors during installation, a message displays on the summary screen. For details, see the installation log located in the following default location:</p> <p>C:\Program Files\IBM\FileNetConnectorForSharePointWebParts\sharepoint_web_parts_install_log_2.2.1.0.txt</p> <p>Click Done to exit the setup program.</p>

To silently install IBM FileNet Connector for SharePoint Web Parts

This topic describes how to silently install IBM FileNet Connector for SharePoint Web Parts.

To run a silent install, you must create a response file that contains the options to pass to the setup program during installation. A sample response file is included with the IBM FileNet Connector for SharePoint Web Parts setup program.

1. Log on to the SharePoint machine using an account that has local administrator privileges.
2. From the IBM FileNet Connector for SharePoint Web Parts software package, open the `silent_installer.properties` file in a text editor and enter the appropriate responses by following the directions in the file.
3. Open a command prompt and run the following command from the appropriate directory:
`2.2.1.0-SPWP.exe -i silent -f silent_installer.properties`
4. Check that installation completed successfully by accessing the install log file at the following default location:

```
C:\Program Files\IBM\  
FileNetConnectorForSharePointWebParts\sharepoint_web_parts_install_log_2.2.1.0.txt
```

Task 4: Specify Application Pool Security Account (FileNet Credential Store Authentication Only)

In this task you will specify the account that is writing to the IBM FileNet Connector for SharePoint Web Parts user profile database.

To specify the Application Pool Security Account

This user must be the same user that is configured to execute within the Application Pool of the SharePoint web applications to be processed. Take adequate caution, as this user has access to user profile information.

The application pool security account must have Full Access rights (aspnet_Profile_FullAccess) to the user profile database you create for IBM FileNet Connector for SharePoint Web Parts. These privileges ensure the user profile database is updated correctly by the IBM FileNet web parts.

For more detail on the Application Pool security account, see [“Authentication and Database Requirements” on page 19](#).

1. Determine the Application Pool that is configured for use with the SharePoint web application.

For Internet Information Services version 6:

- a. On the SharePoint server, access the Internet Information Services (IIS) Manager from the Administrative Tools.
- b. Expand the server node and then the Web Sites node.
- c. Right-click the SharePoint web site to which the SharePoint Web Parts were deployed and select **Properties**.
- d. Click the **Home Directory** tab and record the entry for the Application_pool field. This is the Application Pool that is configured for use with the SharePoint Web Application.
- e. Close the properties window.

For Internet Information Services version 7:

- a. On the SharePoint server, access the Internet Information Services (IIS) Manager from the Administrative Tools.
- b. Expand the **Server** node and the **Sites** node.
- c. Right-click the SharePoint Web site to which the SharePoint Web Parts were deployed and select **Manage Web Site > Advanced Settings**.
- d. Record the Application Pool name, which is listed at the top of the Advanced Settings window. This is the Application Pool that is configured for use with the SharePoint Web Application.
- e. Close the Advanced Settings window.

2. Determine the account that is running the application pool.

For Internet Information Services version 6:

- a. Expand the Application Pools node.
- b. Right-click on the Application Pool that you recorded in step 1 above and select **Properties**.
- c. Click the **Identity** tab and record the entry in the User name field. This is the account that must be used to write to the user profile database.

For Internet Information Services version 7:

- a. Click **Application Pools**.
 - b. Find the appropriate application under the Name column on the Application Pools page.
 - c. Under the Identity column, note the name listed. This is the account that must be used to write to the user profile database.
3. Specify the Application Pool Security Account. Log on to Microsoft SQL Server and add the user name from step 2 above to the following nodes:
 - Security\Logins node.
 - <database_profile>\Security\Users node. This is the same database name you entered during installation on the User Profile Database Information screen.

Task 5: Add and Configure IBM FileNet Web Parts

The IBM FileNet Connector for SharePoint Web Parts solutions are now deployed to your SharePoint site.

You can add the various web parts to your web sites. For information about adding and configuring web parts, see the IBM FileNet P8 help topic, [Expansion Products > IBM FileNet Connector for SharePoint > IBM FileNet Connector for SharePoint Web Parts > Administer web parts](#)

Upgrade Planning and Procedures

This upgrade section contains the following major topics:

- [“Plan the Upgrade” on page 33](#)
- [“Upgrade Tasks” on page 34](#)

Plan the Upgrade

This section lists details that help you prepare your environment for the upgrade of IBM FileNet Connector for SharePoint Web Parts. In many cases, the items you see listed contain links to more detailed information, to help you plan a system upgrade. Review this information thoroughly before you start the upgrade.

NOTES

- The upgrades described in this guide assume that you have retained your basic platform configuration from the previous release.
- Upgrades to version 2.2.1.0 must be run on the SharePoint servers where version 2.2.0 is installed.

Upgrade Planning Considerations

This section lists details that help you prepare your environment for the upgrade of IBM FileNet Connector for SharePoint Web Parts software. Review this section thoroughly before you set up IBM FileNet P8 integration components or required third-party software.

Gather reference documentation

For a list of available documentation, see [“Gather reference documentation” on page 12](#).

Authentication and Database Requirements

This upgrade of IBM FileNet Connector for SharePoint Web Parts supports both Windows Integrated Authentication and IBM FileNet Credential Store as methods of authentication. If your previous installation used Microsoft SQL Server user profile database for authentication and you want to switch to Windows Integrated Authentication with this upgrade, you must install and configure Windows Integrated Authentication on IBM FileNet P8 platform and on the SharePoint before running the setup program.

If you choose Windows Integrated Authentication and your previous installation of IBM FileNet Connector for SharePoint Web Parts used a Microsoft SQL Server user profile database for authentication, you should remove the Microsoft SQL user profile database and the Application Pool Security Account information that was created for the previous installation. For details on:

- How the user profile database was created, see [“\(Optional\) Create a Microsoft SQL Server User Profile Database” on page 22](#).
- How the Application Pool Security Account was created, see [“Specify Application Pool Security Account \(FileNet Credential Store Authentication Only\)” on page 29](#).

Non-English Upgrade Considerations

If the IBM FileNet Connector for SharePoint Web Parts - Language Pack 2.1.0 is installed, you must uninstall this Language Pack before installing IBM FileNet Connector for SharePoint Web Parts 2.2.1.0.

Upgrade Tasks

This section describes how to upgrade IBM FileNet Connector for SharePoint Web Parts.

This section contains the following major topics:

- [Task 1: “Upgrade IBM FileNet Connector for SharePoint Web Parts Documentation” on page 35](#)
- [Task 2: “Upgrade IBM FileNet Connector for SharePoint Web Parts” on page 36](#)

Task 1: Upgrade IBM FileNet Connector for SharePoint Web Parts Documentation

IBM FileNet Connector for SharePoint Web Parts is an expansion product for IBM FileNet P8 Platform; therefore you must add the associated documentation to an existing installation of the IBM FileNet P8 Platform Help. This action makes IBM FileNet Connector for SharePoint Web Parts help available to your users.

For details and instructions on installing expansion product documentation, see the latest IBM FileNet P8 version of the *IBM FileNet P8 Platform Installation and Upgrade Guide*. Pay special attention to the “Install expansion product documentation subtopic” in the “Install IBM FileNet P8 documentation (<your application server>)” task.

CAUTION You can install only the 2.2.1.0 version of IBM FileNet Connector for SharePoint Web Parts documentation on an existing IBM FileNet P8 Platform 4.x documentation server.

Task 2: Upgrade IBM FileNet Connector for SharePoint Web Parts

To silently upgrade IBM FileNet Connector for SharePoint Web Parts

To run a silent install, you must create a response file that contains the options to pass to the setup program during installation. A sample response file is included with the IBM FileNet Connector for SharePoint Web Parts setup program.

1. Log on to the SharePoint machine using an account that has local administrator privileges.
2. From the IBM FileNet Connector for SharePoint Web Parts software package, open the `silent_installer.properties` file in a text editor and enter the appropriate responses by following the directions in the file.

CAUTION Under the Choose Deployment Method property, only *Single* deployment is a valid, supported entry (1). Do not set this property to *All* (0). Deployment to all on an upgrade is not a supported installation. If you want to deploy to all web applications using the setup program, you must completely remove the previous installation and all web parts that have been added to pages and then run a new IBM FileNet Connector for SharePoint Web Parts 2.2.1.0 installation.

3. Open a command prompt and run the following command from the appropriate directory:

```
2.2.1.0-SPWP.exe -i silent -f silent_installer.properties
```

To interactively upgrade IBM FileNet Connector for SharePoint Web Parts

1. Log on to the SharePoint machine using an account that has local administrator privileges.
2. Launch the 2.2.1.0-SPWP.exe file.
3. Complete the IBM FileNet Connector for SharePoint Web Parts Setup wizard screens as follows:

In this screen...	Perform this action...
Introduction	Read the introductory instructions about how to navigate through the setup program screens.
Software License Agreement	Review the software license agreement. Click the option to accept the agreement to proceed with the installation. Click Print to print a hardcopy of the agreement.

In this screen...	Perform this action...
Choose Authentication Method	<p>Choose how SharePoint users are authenticated when accessing IBM FileNet P8 information.</p> <p>NOTE The installation program automatically detects and selects the authentication option that was selected during the previous installation.</p> <ul style="list-style-type: none"> Choose IBM FileNet Credential Store to map SharePoint users to IBM FileNet P8 user credentials using a Microsoft SQL Server user profile database. Choose Integrated Windows Authentication to enable this method of authentication. <p>NOTE If you choose Integrated Windows Authentication and your previous installation used the IBM FileNet Credential store, you must manually remove the database and Microsoft SQL application pool security account entries from the previous installation. For details, see “Authentication and Database Requirements” on page 34.</p>
Database Selection (IBM FileNet Credential Store Authentication)	<p>This screen appears only if all of the following conditions are true:</p> <ul style="list-style-type: none"> You chose IBM FileNet Credential Store as the authentication method. Your previous installation of IBM FileNet Connector for SharePoint Web Parts used Integrated Windows Authentication. <p>Choose whether you would like to use a pre-existing, manually created database as the user profile database or have the setup program create the user profile database for you.</p>

In this screen...	Perform this action...
User Profile Database Information (IBM FileNet Credential Store Authentication)	<p>This screen appears only if all of the following conditions are true:</p> <ul style="list-style-type: none"> You chose IBM FileNet Credential Store as the authentication method. Your previous installation of IBM FileNet Connector for SharePoint Web Parts used Integrated Windows Authentication. <p>The database information entered here is used to map SharePoint users to IBM FileNet P8 user credentials</p> <p>If you chose to specify an existing database on the previous screen, enter the database information as outlined below.</p> <p>If you chose to have the setup program create the database for you on the previous screen, the following information is pre-populated with default values. Edit the fields as necessary.</p> <p>Database information:</p> <ul style="list-style-type: none"> Database Instance Database Name
Database User Information (IBM FileNet Credential Store Authentication)	<p>This screen appears only if all of the following conditions are true:</p> <ul style="list-style-type: none"> You chose IBM FileNet Credential Store as the authentication method. Your previous installation of IBM FileNet Connector for SharePoint Web Parts used Integrated Windows Authentication. You chose to have the setup program create the user profile database for you. <p>Enter the following information about the database user who has privileges to create the user profile database:</p> <ul style="list-style-type: none"> Database User - This user must have Database Creator privileges to the SQL Server engine. SQL authentication, not Windows authentication, is used. Database Password.

In this screen...	Perform this action...
User Credential Encryption Key (IBM FileNet Credential Store Authentication)	<p>This screen appears only if all of the following conditions are true:</p> <ul style="list-style-type: none"> You chose IBM FileNet Credential Store as the authentication method. Your previous installation of IBM FileNet Connector for SharePoint Web Parts used Integrated Windows Authentication. <p>Encryption Key - Type in a key (any string) to be used to encrypt the stored user names and passwords in the user profile database. The key itself is stored in the web.config file. As a best practice, encrypt this key in the web.config file (using the appropriate Microsoft encryption tool).</p>
Choose aspnet_regsql.exe location	<p>This screen appears only if you chose IBM FileNet Credential Store as the authentication method and the aspnet_regsql.exe file is not detected in the following default location:</p> <p>C:\WINDOWS\Microsoft.NET\Framework\<version>\aspnet_regsql.exe</p> <p>Enter the full path of the aspnet_regsql.exe file. This file is the Microsoft SQL Server file used to create the user profile database. The setup program prompts for the file location only if it cannot detect it otherwise.</p> <p>To re-populate the field with the default file path, click Restore Default File.</p> <p>To navigate to a different file path, click Choose and complete the File Path dialog box.</p> <p>NOTE The setup program proceeds only if a valid aspnet_regsql.exe file is detected.</p>

In this screen...	Perform this action...
Specify Web Part Properties	<p>The following fields are pre-populated with the information from your previous installation of IBM FileNet Connector for SharePoint Web Parts installation.</p> <ul style="list-style-type: none"> Content Engine URL - URL can be found on the IBM FileNet Enterprise Manager logon screen. For example: <code>http://server_name:port/wsi/</code> Workplace XT (Application Engine) URL. For example: <code>http://server_name:port/WorkplaceXT/</code> Process Engine URL - This is the URL for the Process Engine Web Services on the Content Engine server. For example: <code>http://content_engine_host:port/wsi/ProcessEngineWS/</code> Process Engine Connection Point - String value set in IBM FileNet Enterprise Manager. Documentation Server URL (for the IBM FileNet P8 documentation server). For example: <code>http://server_name:port/ecm_help/nav/sp_start.htm</code>
Pre-Installation Summary	<p>Review the pre-installation information summary and click Install.</p> <p>CAUTION Once the installation process begins, the operation cannot be cancelled. The IBM FileNet Connector for SharePoint Web Parts solution auto-deploys on the SharePoint server.</p>
Install Complete	<p>Review the installation summary.</p> <p>If errors occurred during installation, you'll see an error message dialog. For details, see the following installation log file:</p> <p>C:\Program Files\IBM\FileNetConnectorForSharePointWebParts\sharepoint_web_parts_install_log_2.2.1.0.txt</p> <p>Click Done to exit the setup program.</p>

Maintaining Web Parts

Once you have installed and configured IBM FileNet Connector for SharePoint Web Parts, you can perform the following tasks to manually deploy the components to new SharePoint web applications you add, post-installation.

- [Task 1 “Manually Deploy Components” on page 42](#)
- [Task 2 “Update the web.config File” on page 43](#)
- [Task 3 “Update .webparts Files with IBM FileNet P8 URLs” on page 47](#)

Task 1: Manually Deploy Components

If you have added new SharePoint web applications since you installed IBM FileNet connector for SharePoint Web Parts and you would like the web parts to be available from these new SharePoint applications, you must use the following manual steps to deploy the IBM FileNet Connector for SharePoint Web Parts to each new web application.

CAUTION You must have already run the IBM FileNet Connector for SharePoint Web Parts 2.2.1.0 installer on the SharePoint machine for these procedures to complete successfully.

NOTE All paths in this section are stated as the default locations.

To manually deploy the IBM FileNet Connector for SharePoint Web Parts components

1. Deploy the IBM FileNet web parts solution to the new SharePoint web application by executing the following STSADM command:

```
"Program_Files_Directory/Common Files/Microsoft Shared/web server extensions/12/bin/STSADM.exe" -o deploysolution -name FnSPWebParts.wsp -immediate -url http://localhost:PORT
```

For example, "C:\Program files/Common Files/Microsoft Shared/web server extensions/12/bin/STSADM.exe" -o deploysolution -name FnSPWebParts.wsp -immediate -url http://SDE233:80

2. Deploy the IBM FileNet Administration Web Part to the new SharePoint web application by executing the following STSADM command:

```
"Program_Files_Directory/Common Files/Microsoft Shared/web server extensions/12/bin/STSADM.exe" -o deploysolution -name FnSPAdmin.wsp -immediate -url http://localhost:PORT
```

For example, "C:\Program files/Common Files/Microsoft Shared/web server extensions/12/bin/STSADM.exe" -o deploysolution -name FnSPAdmin.wsp -immediate -url http://SDE233:80

3. Run all spooled commands by executing the following STSADM command:

```
"Program_Files_Directory/Common Files/Microsoft Shared/web server extensions/12/bin/STSADM.exe" -o execadmsvcjobs
```

Task 2: Update the web.config File

Use the following procedure to manually update the web application with the appropriate entries.

CAUTION Any edits to the web.config files must be saved in UTF-8 format. For example, make the edits using Notepad and use save-as UTF-8.

(IBM FileNet Credential Store Authentication) To update the web.config file

1. Add the following entry before the `<system.web>` element in the SharePoint web.config file. Replace the `Database_Name` and `Database_Instance` variables with the appropriate entries:

```
<connectionStrings>
  <add name="Database_Name" connectionString="Data Source=Database_Instance;Initial
Catalog=FileNetProfile;Integrated Security=True"
providerName="System.Data.SqlClient" />
</connectionStrings>
```

For example:

```
<connectionStrings>
  <add name="FileNetProfileDB" connectionString="Data Source=localhost;Initial
Catalog=FileNetProfile;Integrated Security=True"
providerName="System.Data.SqlClient" />
</connectionStrings>
```

2. Add the following entry to web.config in the system.web section just ahead of the `<authorization>` element:

```
<profile enabled="true" defaultProvider="FileNetProfileProvider">
  <providers>
    <add name="FileNetProfileProvider" type="System.Web.Profile.SqlProfileProvider,
System.Web, Version=2.0.3600.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a"
connectionStringName="FileNetProfileDB" applicationName="FileNet"/>
  </providers>
  <properties>
    <add name="FileNetUserName" type="String"/>
    <add name="FileNetPassword" type="String"/>
  </properties>
</profile>
```

3. Add the following entry to the `<configuration>/<system.web>/<compilation>/<assemblies>` section of the SharePoint web.config file. Replace `CE_.NET_API_version_number` below for the correct version of FileNet .NET API:

```
<add assembly="FileNet.Api, Version=CE_.NET_API_version_number, Culture=neutral,
PublicKeyToken=63FC2FB3FDEEF4F1" />

<add assembly="Microsoft.Web.Services3, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
```

For example:

```
<add assembly="FileNet.Api, Version=4.0.0.0,
Culture=neutral,PublicKeyToken=63FC2FB3FDEEF4F1" />

<add assembly="Microsoft.Web.Services3, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
```

4. Change the value of `enableSessionState=` attribute from false to true on the `<configuration>/<system.web>/<pages>` element:

For example:

```
<pages enableSessionState="true" enableViewState="true" enableViewStateMac="true"
validateRequest="false"
pageParserFilterType="Microsoft.SharePoint.ApplicationRuntime.SPPageParserFilter,
Microsoft.SharePoint, Version=12.0.0.0, Culture=neutral,
PublicKeyToken=71e9bce111e9429c" asyncTimeout="7">
```

5. Add the following entry to the `<configSections>` section, ahead of the `<sectionGroup name="SharePoint">` section:

```
<section name="FileNetConfig" type="System.Configuration.NameValueSectionHandler,
System, Version=1.0.3300.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" />
```

6. Add the following entry after the `<configSections>` section, ahead of the `<SharePoint>` section. Replace the `Encryption_Key` variable with an Encryption Key - Enter the key that was used to encrypt the stored user names and passwords in the user profile database. As a best practice, encrypt this key (using the appropriate Microsoft encryption tool).

```
<FileNetConfig>
  <add key="ProfileKey" value="Encryption_Key" />
</FileNetConfig>
```

For example:

```
<FileNetConfig>
  <add key="ProfileKey" value="1234567" />
</FileNetConfig>
```

7. Add the following entry to the `<system.web>/<security policy>` section:

```
<trustLevel name="FileNetCustom" policyFile="C:\Program Files\Common
Files\Microsoft Shared\Web Server Extensions\12\config\filenetcustom.config" />
```

NOTE The `filenetcustom.config` policy file was created when you ran the IBM FileNet Connector for SharePoint Web Parts setup program.

8. Add the following entry above the `<webparts>` section:

```
<trust level="FileNetCustom" originUrl="" />
```

9. For Microsoft Office SharePoint Server (MOSS) installations, add the following entry to the end of the `<appSettings>` section:

```
<add key="FileNetAuthenticationMode" value="CredentialStore" />
<add key="FileNetMetaDataCacheTimeoutValue" value="14400000" />
```

For Windows SharePoint Services (WSS) Installations, add the following entry after the `<configuration>` element.

```
<appSettings>
  <add key="FileNetAuthenticationMode" value="CredentialStore" />
  <add key="FileNetMetaDataCacheTimeoutValue" value="14400000" />
</appSettings>
```

(Integrated Windows Authentication) To update the web.config file

1. Add the following entry to the <configuration>/<system.web>/<compilation>/<assemblies> section of the SharePoint web.config file. Replace *CE_.NET_API_version_number* below for the correct version of FileNet .NET API:

```
<add assembly="FileNet.Api, Version=CE_.NET_API_version_number, Culture=neutral,
PublicKeyToken=63FC2FB3FDEEF4F1" />
```

```
<add assembly="Microsoft.Web.Services3, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
```

For example:

```
<add assembly="FileNet.Api, Version=4.0.0.0,
Culture=neutral,PublicKeyToken=63FC2FB3FDEEF4F1" />
```

```
<add assembly="Microsoft.Web.Services3, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
```

2. Change the value of enableSessionState= attribute from false to true on the <configuration>/<system.web>/<pages> element:

For example:

```
<pages enableSessionState="true" enableViewState="true" enableViewStateMac="true"
validateRequest="false"
pageParserFilterType="Microsoft.SharePoint.ApplicationRuntime.SPPageParserFilter,
Microsoft.SharePoint, Version=12.0.0.0, Culture=neutral,
PublicKeyToken=71e9bce11e9429c" asyncTimeout="7">
```

3. Add the following entry to the <configSections> section, ahead of the <sectionGroup name="SharePoint"> section:

```
<section name="FileNetConfig" type="System.Configuration.NameValueSectionHandler,
System, Version=1.0.3300.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" />
```

4. Add the following entry to the <system.web>/<security policy> section:

```
<trustLevel name="FileNetCustom" policyFile="C:\Program Files\Common
Files\Microsoft Shared\Web Server Extensions\12\config\filenetcustom.config" />
```

NOTE the filenetcustom.config policy file was created when you ran the IBM FileNet Connector for SharePoint Web Parts setup program.

5. Add the following entry above the <webparts> section:

```
<trust level="FileNetCustom" originUrl="" />
```

6. Add the following entries to the <authorization> section:

```
<authorization>
  <allow users="*" />
  <deny users="?" />
</authorization>
```

7. For MOSS installations, add the following entry to the end of the <appsettings> section:

```
<add key="FileNetAuthenticationMode" value="Kerberos" />
<add key="FileNetMetaDataCacheTimeoutValue" value="14400000" />
```

For WSS Installations, add the following entry after the `<configuration>` element:

```
<appSettings>
  <add key="FileNetAuthenticationMode" value="Kerberos" />
  <add key="FileNetMetaDataCacheTimeoutValue" value="14400000" />
</appSettings>
```

8. Ensure the following two entries are in the `<system.web>` section:

```
<authentication mode="Windows" />
<identity impersonate="true" />
```

Task 3: Update .webparts Files with IBM FileNet P8 URLs

This task describes the steps necessary to update the .webparts files with the IBM FileNet P8 URLs. This allows the IBM FileNet web parts to be pre-populated with the URLs by default when a user adds them to a page.

CAUTION

- Any edits to the .webparts files must be saved in UTF-8 format. For example, make the edits using Notepad and use save-as UTF-8.
- Back up your .webparts files before you make edits.

To update .webpart files with the IBM FileNet P8 default web part URLs

When you deploy the IBM FileNet web parts, new .webpart files are created automatically in a new wpcatalog directory within the virtualdirectories folder of each web application to which you deploy the web parts. For example, C:\Inetpub\wwwroot\wss\VirtualDirectories\80\wpcatalog\

NOTE For non-English installations, an additional set of .webparts files is located in a directory that matches the locale. You must edit the .webpart file within the directory that's appropriate for the non-English installation. For example, if your installation is localized for the French language, you would add the entries for this task to the .webparts files located in C:\Inetpub\wwwroot\wss\VirtualDirectories\80\wpcatalog\fr\.

One .webpart file is created for each IBM FileNet web part that is deployed. For example, ab39a08f-52d9-49c7-a608-f797f52fafb6_FnAdvancedSearch.webpart.

For each .webparts file, add the following lines in the <properties> section and enter the appropriate URL path:

```
<property name="ServerUrl" type="string">P8_CE_URL</property>
<property name="AppEngineUrl" type="string">P8_AE_URL</property>
<property name="PEUrl" type="string">P8_PE_URL</property>
<property name="PEConnectionPoint" type="string">P8_Connection_Point_URL</property>
<property name="HelpUrl" type="string">P8_help_URL</property>
<property name="HelpMode" type="string">modal</property>
```

Remove Software

This task describes how to remove IBM FileNet Connector for SharePoint Web Parts interactively or silently.

NOTE You must uninstall IBM FileNet Connector for SharePoint Web Parts in the same manner that it was installed. If the software was installed silently, then you must uninstall silently. If the software was installed interactively, then you must uninstall interactively.

To interactively uninstall IBM FileNet Connector for SharePoint Web Parts

1. Access any pages that contain IBM FileNet Connector for SharePoint Web Parts and remove them as follows:
 - a. Launch SharePoint in a browser and log in as an administrator.
 - b. Access the page that contains the Web Parts you want to remove.
 - c. Click the Web Part drop-down menu button and select **Modify Shared Web Part**.
 - d. Click the **Edit** drop-down menu and select **Delete**.
 - e. Select **OK** to remove the Web Part.
2. Run the IBM FileNet Connector for SharePoint Web Parts uninstall program.
 - a. From the Windows Control Panel, select Add or Remove Programs.
 - b. Select **IBM FileNet Connector for SharePoint Web Parts**.
 - c. Click Change/Remove.
 - d. Select **Complete Uninstall** and click **Next**.
 - e. Click **Done** to complete the uninstall and exit.
3. From Microsoft SQL Server, remove the user profile database and then remove the NT AUTHORITY\NETWORK SERVICE user that you specified on installation from the following nodes:
 - Security\Logins node
 - <database_profile>\Security\Users node

To silently uninstall IBM FileNet Connector for SharePoint Web Parts

NOTE You can silently uninstall IBM FileNet Connector for SharePoint Web Parts only if you ran a silent install.

1. Log on to the SharePoint machine using an account that has local administrator privileges.
2. Access any pages that contain IBM FileNet P8 Web Parts and remove them as follows:
 - a. Access the SharePoint site in a browser and log in as an administrator.
 - b. Access the page that contains the Web Parts you want to remove.
 - c. Click the Web Part drop-down menu button and select **Modify Shared Web Part**.
 - d. Click the **Edit** drop-down menu and select **Delete**.
 - e. Select **OK** to remove the Web Part.
3. Open a command prompt and navigate to the Uninstall IBM FileNet Connector for SharePoint Web Parts subdirectory in the installation location (default location is C:\Program Files\IBM\FileNetConnectorForSharePointWebParts\Uninstall IBM FileNet Connector for SharePoint Web Parts).
4. Execute the following command:


```
Uninstall IBM FileNet Connector for SharePoint Web Parts.exe -i silent
```

The IBM FileNet Connector for SharePoint Web Parts silently uninstalls.
5. From Microsoft SQL Server, remove the user profile database and then remove the NT AUTHORITY\NETWORK SERVICE user (or comparable user) from the following nodes:
 - Security\Logins node.
 - <database_profile>\Security\Users node.

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Notices

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