

CONFIGURING SSO FOR FILENET P8 DOCUMENTS

Overview

Configuring IBM® Content Analytics with Enterprise Search (ICA) to support single sign-on (SSO) authentication for secure search of IBM FileNet® P8 (P8) documents involves the following steps:

- Installing IBM Content Analytics with Enterprise Search Version 3.0 Fix Pack 1. For instructions, see the fix pack readme file.
- Deploying the target data source FileNet P8 Content Engine on WebSphere® Application Server (WAS).
- Ensuring that cookie-based application SSO (that is, LTPA token-based application SSO) is configured correctly between the P8 and ICA application servers. Verify that when you move from one application to the other in your web browser that you are not prompted to log in.
- Deploying a remote server module that is bundled with ICA on the P8 server.

After completing these steps, you can create a FileNet P8 crawler and configure the crawler to support secure search through SSO authentication.

Remote module deployment

To enable secure SSO search against P8 documents, an ICA administrator must deploy a remote server module on the target P8 server. The deployable module is available at `ES_INSTALL_ROOT/bin/esp8services.ear`.

Before you begin, you must have an administrative user name and password for the instance of WAS that resides in the P8 server. The module needs to be set up on the same WAS server instance to FileNet Content Engine. Example screens on the following pages illustrate these steps:

1. Log in to the WAS administrative console on the P8 server.
2. Go to **Environment > Shared Libraries** and see whether there is a shared library definition that contains `jace.jar`. If not, create a shared library definition and make sure it includes following library:
- `<P8 CE installed directory>/lib/jace.jar`
3. Open the Enterprise Application page and click the **Install** button.
4. Specify the ear file. If it is located on the local machine, you can upload it. Otherwise, files are supposed to be available in the P8 server.
5. Ensure that the module is mapped to the same server(s) as FileNet Content Engine.
6. Finish the deployment procedure and then save the changes to the master configuration.
7. Go to the ES P8 Services application page and open the Security role to user/group mapping page. Select the **All authenticated** radio button for the **AllAuthenticated** role, and click **OK**.
8. See whether the application is set to refer to the shared library that you created at the step 2. If it is not, set the reference to the application.
9. Save the changes to the master configuration.

Shared Libraries

Shared Libraries > P8CMJars

Use this page to define a container-wide shared library that can be used by deploy

Configuration

General Properties

* Scope

cells:vm-was61Node01Cell:nodes:vm-was61Node01:servers:server1

* Name

P8CMJars

Description

* Classpath

C:\Program Files\FileNet\ContentEngine\lib\jace.jar
C:\Program Files\FileNet\ContentEngine\lib\javaapi.jar
C:\Program Files\FileNet\ContentEngine\lib\log4j.jar

Native Library Path

Apply

OK

Reset

Cancel

Enterprise Applications

Enterprise Applications > ES P8 Services > Shared library references > Shared Library Mapping

Map shared libraries to an entire application or per module.

Map libraries to the application or module listed

ES P8 Services

Select the library in the Available list. Move it to the Selected list by clicking >>.

Available:



Selected:



New

OK

Cancel

Specify the EAR, WAR, JAR, or SAR module to upload and install.

Path to the new application

Local file system

Full path

Remote file system

Full path

Context root Used only for standalone Web modules (.war files) and

How do you want to install the application?

Prompt me only when additional information is required.

Show me all installation options and parameters.

Install New Application ?

Specify options for installing enterprise applications and modules.

[Step 1](#) Select installation options

→ **Step 2: Map modules to servers**

[Step 3](#) Summary

Map modules to servers

Specify targets such as application servers or clusters of application servers where you want to install the modules that are contained in your application. Modules can be installed on the same application server or dispersed among several application servers. Also, specify the Web servers as targets that serve as routers for requests to this application. The plug-in configuration file (plugin-cfg.xml) for each Web server is generated, based on the applications that are routed through.

Clusters and Servers:

Select	Module	URI	Server
<input type="checkbox"/>	ES P8 Services	esp8services.war;WEB-INF/web.xml	WebSphere:cell=vm-was61Node01Cell,node=vm-was61Node01,server=server1

Enterprise Applications

Use this page to manage installed applications. A single application can be deployed onto multiple servers.

Preferences

Start Stop Install Uninstall Update Rollout Update Remove File Export Export DDL Export File

Select	Name	Application Status
<input type="checkbox"/>	DefaultApplication	➔
<input type="checkbox"/>	ES P8 Services	➔
<input type="checkbox"/>	FileNetEngine	➔
<input type="checkbox"/>	PlantsByWebSphere	➔
<input type="checkbox"/>	RecordsManager_war	➔
<input type="checkbox"/>	SamplesGallery	➔
<input type="checkbox"/>	ecm_help_war	➔
<input type="checkbox"/>	ivtApp	➔
<input type="checkbox"/>	query	➔
<input type="checkbox"/>	web_client_war	✖

Total 10

Enterprise Applications

[Enterprise Applications](#) > [ES P8 Services](#) > Security role to user/group mapping

Security role to user/group mapping

Each role that is defined in the application or module must map to a user or group from the domain user registry.

Look up users Look up groups

Select	Role	Everyone?	All authenticated?	Mapped users	Mapped groups
<input type="checkbox"/>	AllAuthenticated	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

OK Cancel

After the deployment finishes successfully, you can confirm whether it works properly by accessing the following URL:

http://<p8 server name>:<port>/es/ESP8RemoteServlet/group

If the browser previously logged in to any application on the P8 server, including the WAS administrative console, a screen is displayed that contains the group extraction results for the currently logged in user. If the browser has not logged in to any applications, a login prompt is returned. After you submit the login credentials, the screen with the group extraction results is displayed.

ES Remote P8 Agent diagnostic

Requested path: /es/ESP8RemoteServlet/group

Parameters:

password :

user :

serviceuri :

stanza :

API call result:

```
<?xml version="1.0" encoding="UTF-8"?>
<api>
<list>
  <v>PEAdministrators@iicedom.svl.ibm.com</v>
  <v>intg_admin@iicedom.svl.ibm.com</v>
  <v>RMAAdminG@iicedom.svl.ibm.com</v>
  <v>intgpeadmin@iicedom.svl.ibm.com</v>
  <v>Domain Users@iicedom.svl.ibm.com</v>
</list>
</api>
```

Create a FileNet P8 crawler that supports secure search through SSO

To create a FileNet P8 crawler that supports secure search through SSO authentication, you must select the **Enable SSO authentication** check box when you configure advanced options in the crawler properties. In most cases, you can leave the text box for the remote service URL blank.

Restriction: You cannot change the SSO Configuration option after the crawler is created.

FileNet P8 Crawler Properties

[Learn more](#)

These options apply to all of the documents in the IBM FileNet P8 folders or document class. If you change the properties after you create the crawler, restart the crawler.

* Crawler name (Spaces and the characters a-z, A-Z, 0-9, underscore, and hyphen are allowed)

FileNet P8 crawler 1

▼ [Advanced options](#)

Crawler description (You can change the description without restarting the crawler.):

Maximum number of active crawler threads:
5

Maximum page size (Maximum value is 131071. A change to this field requires a full recrawl.)
51200 KB

Time to wait between retrieval requests:
0 milliseconds

When the crawler session is started: Start crawling updates (look for new, modified, and deleted)

Crawler plug-in

Plug-in class name:

Plug-in class path:

Document-level security (available only if collection security is enabled)

Validate current credentials during query processing
Recommendation: For maximum security, combine this option with the option to index collection data source access control lists

Index data source access control lists
Recommendation: For maximum security, combine this option with the option to validate current credentials during query processing

SSO Configuration

Enable SSO authentication

Specify the URL for accessing the remote service that is deployed on the target server:

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