# Install and Setup Guide for Seclore Sample Application.

# (Fully Policy Federation Web Service)

# Contents

## Prerequisites:

1. Enable HTML Wrapping on Policy Server

   *Note: This is pre-configured in the Policy Server (PS) on Seclore Cloud. Skip this step if you are using Seclore Cloud PS.*

   a. Login as sysadmin and make sure HTML wrapping feature is enabled in Policy Server Configuration.

   b. Restart Policy Server, if prompted.

2. Enable Close activity tracking on Policy Server

   *Note: This is pre-configured in the Policy Server (PS) on Seclore Cloud. Skip this step if you are using Seclore Cloud PS.*

   a. Login as sysadmin and make sure 'Logging file Close activities' feature is enabled in Policy Server Configuration.

   b. Restart Policy Server, if prompted.

3. Create an Enterprise Application on the Policy Server.

   Creating an Enterprise Application on the Policy Server which will be used for the Sample Application's integration.

   *Note: This is pre-configured in the PS on Seclore Cloud (Seclore cloud PS details is provided in point #4 of file: Policy Server on Seclore Cloud.docx provided in the PoC package).*

   *Skip the following steps if you are using Seclore Cloud PS.*

a. Login to the sysadmin's page on the Policy Server e.g. [SERVERNAME]/[POLICYSERVER APP Name]/sysadmin

b. Go to the "App Integration" tab and click on the "Add Enterprise Application" button.

c. A 'Select Enterprise Application Type' prompt will appear, click on 'Custom Application'.

d. Provide a Name and Passphrase for your Enterprise Application.

**Enterprise Application Details**

Custom Application

| | |
|---|---|
| Name * | Sample App |
| Description | |
| Passphrase * | |
| Confirm Passphrase * | |
| Policy Federation | Disabled ▼ |
| Content Saving | Disabled ▼ |
| Advanced Security | Disabled ▼ |

Apply    Cancel

e. Click on the 'disabled' link for 'Policy Federation', and a select 'enable' on the dropdown.

| Policy Federation | Enabled ▼ |
|---|---|
| Access Right Adaptor type | Partial Federation ▼ |
| ARA HTTP service base URL * | |
| Authentication scheme * | 0 |
| Basic Authentication user name | |
| Basic Authentication password | |

f. In the "Access Right Adapter Type" option select the third option i.e. "Fully Policy Federation (Web Service)".

g. On the "Access Right Adaptor Details" form, Provide the "ARA HTTP service Base URL" as

https://[SERVERNAME]/sampleapp/services/request

***Once you have deployed the Sample App, share the URL with your Seclore contact, who will update the Enterprise Application created in the Policy Server on Seclore Cloud.***

Note: This URL should be accessible from the internet. The Policy Server will send a request to this URL for permission.

h.  Click Done.

i.  Save the Enterprise Application changes using 'Apply' button.

j.  Now click on the "Manage" link

| ID | Type | Name ⌄ | Created on | Last updated on | Manage | Reset Passphrase |
|----|------|--------|------------|-----------------|--------|------------------|
| 1 | Custom Application | Srivinay sample app | 02 Jan 2019, 02:01 PM | 03 Jan 2019, 03:53 PM | ⚙ | ⋯ |

k.  Click the "Create HotFolder" button.

l.  Assign an Owner and Name to this HotFolder.

   Note: The assigned owner should have a protector license.

m.  Expand the "External Reference" section to provide a Reference Id. e.g. "HF1"

n.  Click on the "Add button".

## System Requirement:

1.  Apache Tomcat 9.0.43 and Java 11.

2.  Sample Application should be deployed on a server which can connect to the Policy Server and Seclore Online.

3.  Seclore Policy Server and Seclore Online deployment is a pre-requisite. It can be either deployed in Seclore Cloud or on your premise/cloud.

4.  The Sample Application URL should be whitelisted in Seclore Online for the Integration to work.

## Configuration:

1.  Stop the tomcat Server if running. Extract the Sample Application package from "..\Web App\" folder and place the content of "Web App" folder on the Server Machine (e.g. C:\ Seclore\SAMPLEAPP\) We'll call this <SAMPLE_APP_DIR>

2.  Based on Step1, enter the value for <app-path> in <SAMPLE_APP_DIR>/config/config.xml file.

3.  Configure Policy Server details in "<SAMPLE_APP_DIR>/config/cabinet config.xml" file and "<SAMPLE_APP_DIR>/config/tenant config.xml" file

   ***Note: This is pre-configured in the PS for Seclore Cloud Setup. Skip this step if you are using Seclore Cloud PS.***

4.  Configure Hot Folder details in <SAMPLE_APP_DIR>/config/SampleAppConfig.properties file.

*Note: This is pre-configured in the PS for Seclore Cloud Setup. Skip this step if you are using Seclore Cloud PS.*

5. Configure some users for sample application in <SAMPLE_APP_DIR>/data/UserMaster.xml file (Note:  These should be valid Policy Server users and should have a protector license)

*Note: This is pre-configured in the PS for Seclore Cloud Setup. Skip this step if you are using Seclore Cloud PS.*

6. Open "server.xml" of the tomcat on which SampleApp is deployed (TOMCAT_HOME\conf\ server.xml) and add a new context tag as given below

```
<Context
 path="/[SAMPLE_APP_NAME]"
 docBase="[SAMPLE_APP_DIR]"
 reloadable="true">

    <Valve
    className="org.apache.catalina.authenticator.NonLoginAuthenticator"
    disableProxyCaching="true"
    securePagesWithPragma="false" />

    <Resource name="jdbc/filesecure"
    auth="Container"
    type="javax.sql.DataSource"
    driverClassName="[DRIVER_CLASS]"
    url="[DATABASE_URL]"
    username="[USERNAME]"
    password="[PASSWORD]"
    maxWaitMillis="5000"
    maxTotal="100"
    removeAbandonedOnBorrow="true"
    removeAbandonedTimeout="300"
    logAbandoned="true"
    testOnBorrow="true"/>

    <Manager
    className="org.apache.catalina.session.PersistentManager"
    saveOnRestart="false">
        <Store className="org.apache.catalina.session.FileStore" />
    </Manager>

</Context>
```
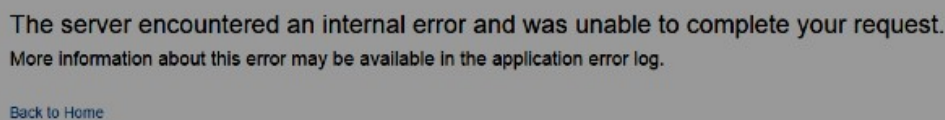
In the above context tag, please fill in the required details mentioned in BOLD:

1. SAMPLE_APP_NAME

2. SAMPLE_APP_DIR

3. DRIVER_CLASS (This will be the same as the 'driverClassName' of the Policy Server)

4. DATABASE_URL (This will be the same as the 'url' of the Policy Server)

5. USERNAME

6. PASSWORD

Note: In case you are using the same Tomcat server as the Policy Server, the details in the <Resource ...> tag of the sample app will be same as the details in the <Resource...> tag of the Policy Server.

*Note:*

*1. If you are using Seclore Cloud PS, the <Resource…> tag should be commented.*

*2. The Sample app also demonstrates user activity log integration. This feature is unavailable if you are using the Seclore Cloud PS but is available if the PS is deployed on your premise.*

*3. Clicking the Log option on the application with result in the below message – which is expected*

The server encountered an internal error and was unable to complete your request.
More information about this error may be available in the application error log.

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7. Adding database libraries to Tomcat.
   Copy the jar files from the folder 'Database libs' and paste these two files to the location "TOMCAT_HOME\lib\".
   *Note: If you are using Seclore Cloud PS or higher versions of these jar files, this step is not required.*

8. Start tomcat and access the Sample app URL.
   URL Pattern-> http:// [SERVERNAME]/sampleapp. Do Sanity testing to verify the installation. Refer document "Sanity cases for post deployment check.txt"