Localizing the Sun OpenSSO Enterprise 8.0 Login Page

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This article provides instructions for customizing the OpenSSO login page for your language. You can add a new language and customize the existing non-English OpenSSO Enterprise Login page to contain your localized messages. In the example used in this article, OpenSSO Enterprise is already deployed on a supported web server or application server. See "Web Containers Supported For OpenSSO Enterprise 8.0" in *Sun OpenSSO Enterprise 8.0 Release Notes* for information about supported containers.

Before You Begin

You can customize the OpenSSO 8.0 login page by modifying files in the web or J2EE container where OpenSSO Enterprise is deployed. You can modify the look of the login page, and also customize text messages that are displayed on the login page. This document provides instructions for customizing the login page under the following conditions:

- An OpenSSO Enterprise web application is deployed on GlassFish v2 Application Server.
- A datastore authentication module is enabled.
- A realm named `myorg` exists.

This article does not describe customization from functional point of view. The focus of this article is localizing the login page and adding a new language to the login page.

Best Practices

When modifying files, follow these guidelines to achieve the best results:

- Do not remove or modify the license text in the beginning of source files.
- Use actual translated, multi-byte content with non-English strings in the `xml` file using UTF-8 encoding.
- Do not use escaped Unicode characters in the `xml` file.
- Do not change the `xml` file character set.
- Modify the `xml` file without breaking the XML format.
- Modify the `Login.jsp` without breaking JATO tags.

For comments or queries regarding this document, send email to the Globalization Team at **`g11n@opensso.dev.java.net`**.

Customizing the Login Page

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Files to Modify

In this example, two files are modified:

- `Login.jsp`
- `Datastore.xml` (for the datastore authentication module)

These must be modified under the `opensso_app_deploy_dir/config/auth/` directory.

If you are using an authentication module other than the datastore authentication module, then you must modify the corresponding `xml` file. For example, if you are using the LDAP authentication module, then you must modify the `LDAP.xml` file. If you are using the membership authentication module, then you must modify the `Membership.xml`, and so forth.

The `Login.jsp` and `*.xml` files must be modified in the appropriate language directories in the OpenSSO Enterprise file structure.

▼ To Customize the Login Page Using GlassFish V2

The following example demonstrates how to customize a localized OpenSSO Enterprise login page for the realm named `myorg`with the suffix `opensso`(which is the default installation), and using the Datastore authentication module. These steps are performed on the Solaris Operating System for the Japanese locale.

1 **After successfully installing and configuring the OpenSSO Enterprise application on a GlassFish V2 container, go to `config/auth` directory:**

```
# cd /opt/SUNWappserver/domains/domain1/applications/j2ee-modules/opensso/config/auth/
```

Where `opensso` is the application name of your OpenSSO Enterprise deployment.

2 **Create the following directory structure to store the Japanese-customized login files for the `myorg` realm :**

```
# mkdir -p opensso/services/myorg/html
# mkdir -p opensso_ja/services/myorg/html
```

3 **Copy all required files from `default_ja` to the directory created in step 2:**

```
# cp -r default/* opensso/services/myorg/html
# cp -r default_ja/* opensso_ja/services/myorg/html
```

In Step 2 and Step 3, you must create and copy different locale directories for the realm `myorg` to be available in different locales. Otherwise the login page will display English for `myorg` realm. Examples:

```
# mkdir -p opensso_de/services/myorg/html
# cp -r default_de/* opensso_de/services/myorg/html

# mkdir -p opensso_fr/services/myorg/html
# cp -r default_fr/* opensso_fr/services/myorg/html

# mkdir -p opensso_es/services/myorg/html
# cp -r default_es/* opensso_es/services/myorg/html

# mkdir -p opensso_en/services/myorg/html
# cp -r default_en/* opensso_en/services/myorg/html

# mkdir -p opensso_ko/services/myorg/html
# cp -r default_ko/* opensso_ko/services/myorg/html

# mkdir -p opensso_zh/services/myorg/html
# cp -r default_zh/* opensso_zh/services/myorg/html

# mkdir -p opensso_zh_CN/services/myorg/html
# cp -r default_zh_CN/* opensso_zh_CN/services/myorg/html

# mkdir -p opensso_zh_TW/services/myorg/html
# cp -r default_zh_TW/* opensso_zh_TW/services/myorg/html
```

4 **Edit `Login.jsp`.**

```
# cd opensso/services/myorg/html
# vi Login.jsp
```

Example: Modify the HTML content to include your Organization Welcome message.

Important: Modify `Login.jsp` carefully with no errors and without breaking tags!

```
# cd opensso/services/myorg/html
# vi Login.jsp
```

5 **Edit `DataStore.xml` to customize messages :**

```
# cd -
# cd opensso_ja/services/myorg/html
# vi DataStore.xml
```

Complete the following steps:

a. **Modify the header parameter of the <Callbacks> tag**

Change the Japanese message "This server uses Data Store Authentication" to the new Japanese text in UTF-8 encoding.

b. **Modify the value of the <prompt> element under the <NameCallback> node.**
   Change the Japanese label "User Name:" to the new Japanese text in UTF-8 encoding.

c. **Modify the value of the <prompt> element under the <PasswordCallback > node.**
   Change the Japanese label "Password:" to the new Japanese text in UTF-8 encoding.

Example 1 Sample `Datastore.xml` excerpt with Customized Japanese Text

```
<ModuleProperties moduleName="DataStore" version="1.0" >
    <Callbacks length="2" order="1" timeout="120"
         header="YOUR CUSTOMIZED JAPANESE CONTENT" >
        <NameCallback>
            <Prompt> YOUR CUSTOMIZED JAPANESE CONTENT  </Prompt>
        </NameCallback>
        <PasswordCallback echoPassword="false" >
            <Prompt> YOUR CUSTOMIZED JAPANESE CONTENT </Prompt>
        </PasswordCallback>
    </Callbacks>
</ModuleProperties>
```

▼ To Verify the Your Modifications

1. **Be sure that the realm `myorg` exists in OpenSSO Enterprise.**

2. **After modifying the files in the example, restart the GlassFish domain:**

   ```
   # cd /opt/SUNWappserver9/bin
   # ./asadmin stop-domain domain1
   # ./asadmin start-domain --user admin --passwordfile /root/gfadminpwd.txt domain1
   ```

3. **On the browser, set the Preferred Language to Japanese(ja).**

4. **Access the OpenSSO Enterprise login page of your realm. For example, go to the URL:**

   `http://myhost.mydomain:port/<opensso_app_name>/UI/Login?realm=myorg`

   You should see the new customized OpenSSO Enterprise Japanese login page containing your new messages and design.

▼ To Add a New Language

You can add a new language other than seven non-English languages that come with OpenSSO by default. This way the OpenSSO login page will be available in a new language of your choice. In the following example, the OpenSSO Login page is made available in the Hindi language.

1. **Create a directory named `opensso_hi` and copy required files.**

   This directory is for adding the Hindi language. Example:

   ```
   # mkdir -p opensso_hi/services/myorg/html
   # cp -r default_de/* opensso_hi/services/myorg/html
   ```

2. **Edit the localized contents in the `opensso_hi` directory.**

   In this example, Japanese messages are replaced with Hindi text.

3. **To add a new language of you choice, create a directory name suffixed with Locale ID in the following format:**

   `opensso_<LOCALE_ID>`

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