

Oracle Financial Services Data Management Pack (Reconciliation Framework) Language Patch

Installation & Configuration Guide

Release 8.0.7.0.0

July 2019



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Document Control

Version Number	Revision Date	Change Log
01	June 2019	Created document to capture OFS DM (Reconciliation Framework) Language Pack procedure.

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1 OFS Data Management (Reconciliation Framework) Language Pack

This document describes the necessary steps to install and configure Oracle Financial Services Data Management (OFS DM) (Reconciliation Framework) Language Pack 8.0.7.0.1, 8.0.7.0.2, and enable the UI of OFS DM in different languages in addition to US-English. The language pack supported in this release are Spanish and Canadian French.

1.1 Pre Installation Requirements

The following must be successfully installed before proceeding with this installation:

- The minimum version of Oracle Financial Services Reconciliation Framework on which this patch can be applied is 8.0.7.0.0
- Install the following patches:
 - OFS AAI 8.0.7.1.0 (Bug ID 29002529)
 - OFS AAI One-off (Bug ID 29692893)
 - OFS AAI Language pack 8.0.7.0.0 (Bug ID 29646990)
- Ensure that English (US) locale based on utf8 encoding is available in the server. To check the installed locale, execute the following command:

```
locale -a | grep -i 'en_US.utf'
```

Based on the operating system, the command output will be as follows:

- Linux: en_US.utf8
- AIX: EN_US.UTF-8
- Solaris: en_US.UTF-8

1.2 How to Apply this Language Pack Release?

Refer to the following instructions to install the contents of this Language Pack.

1. Login to <https://support.oracle.com/> search for the following bugs under the *Patches & Updates* tab.
 - a. Bug #**29861179** (Spanish)
 - b. Bug # **29947826** (Canadian French)
2. Download the OFS DM (Reconciliation Framework) Language Pack 8.0.7.0.1 Release #1 for Spanish and OFS DM (Reconciliation Framework) Language Pack 8.0.7.0.2 Release #2 for Canadian French archive file from MOS and copy it to your OFSAA server in Binary mode.
3. Stop all the OFSAAI Services. For more information, refer to the Start/Stop Infrastructure Services section in Oracle Financial Services Data Management Installation Manual Release 8.0 available at [OHC](#) library.
4. If you have Unzip utility, skip to the next step. Download the Unzip utility (OS specific) `unzip_<os>.Z`, copy it in **Binary** mode to the directory that is included in your PATH

variable, typically \$HOME path or directory in which you have copied the language pack archive file.

- Uncompress the unzip installer file using the command:

```
uncompress unzip_<os>.Z.
```

NOTE In case you notice an error message “**uncompress: not found [No such file or directory]**” when the package is not installed, contact your administrator.

- Give Execute permission to the file using the command:

```
chmod 751 unzip_<os>.
```

For example, `chmod 751 unzip_sparc.Z`

5. Extract the contents of the OFS DM 8.0.7.0.1 LP and 8.0.7.0.2 LP archive file using the following command:

```
unzip <name of the file to be unzipped>
```

For example, “`unzip 29861179_GENERIC.zip`”

6. Grant permissions 755 to Installation and Download directory, using the below command:

```
chmod -R 755 OFS_DM
```

7. The configuration file `params.conf` must be updated with `UPLOAD_MODEL=0` before triggering the Installation. The `params.conf` file is available in the path `/OFS_DM/conf`.
8. Navigate to `<>/OFS_DM/bin` and execute the command `./install.sh`. Check if the patch is applied successfully (script would report errors if any).
9. Verify the patch installation logs in the location `<>/OFS_DM/logs`.
10. Delete the existing EAR/WAR file available in `$FIC_HOME/ficweb` folder.
11. Generate EAR/WAR file and redeploy the application onto your configured web application server. For more information, refer to the Post Installation Configuration section in the Oracle Financial Services Data Management Installation Manual Release 8.0 available at [OHC](#) library.
12. Once the OFS DM Language Pack has been installed successfully a restart all the OFSAAI services. For more information, refer to the Start/Stop Infrastructure Services section in the Oracle Financial Services Data Management Installation Manual Release 8.0.7 available at [OHC](#) library.

1.3 Post Installation Configuration

Post successful installation of OFS DM (Reconciliation Framework) Language Pack, you need to perform the following configurations.

NOTE Ensure to re-save the GL hierarchies (HGL001 to HGL013) with new language.

1.3.1 OBIEE Translation

This section contains the following:

- [Catalog Configuration For Language Pack – OBIEE](#)
- [RPD Configuration For Language Pack Implementation](#)

1.3.1.1 Catalog Configuration for Language Pack – OBIEE

Prerequisite:

It is mandatory to have captions.xml for the catalog captions in all the desired languages before starting the catalog configuration.

Follow the below steps to configure the Catalog for Language Pack:

1. Navigate to the below OBIEE folder:

```
$ORACLE_INSTANCE/user_projects/domains/OBIEE12c/bidata/service_instances/ssi/metadata/content/msgdb
```

2. Create a folder structure for each of the languages as below


(For example, 'l_es' stands for Spanish and 'l_fr_CA' stands for Canadian French).

```
/msgdb/l_es/captions
```

```
/msgdb/l_fr_CA/captions
```


3. Place the `reconciliation+frameworkcaptions.xml_es_ES.xml` corresponding to Spanish Language in the captions folder in the following folder structure.

/scratch/ofsaoibie/Oracle/Middleware/Oracle_Home/user_projects/domains/OBIEE12c/bidata/service_instances/ssi/metadata/content/msgdb/l_es/captions/

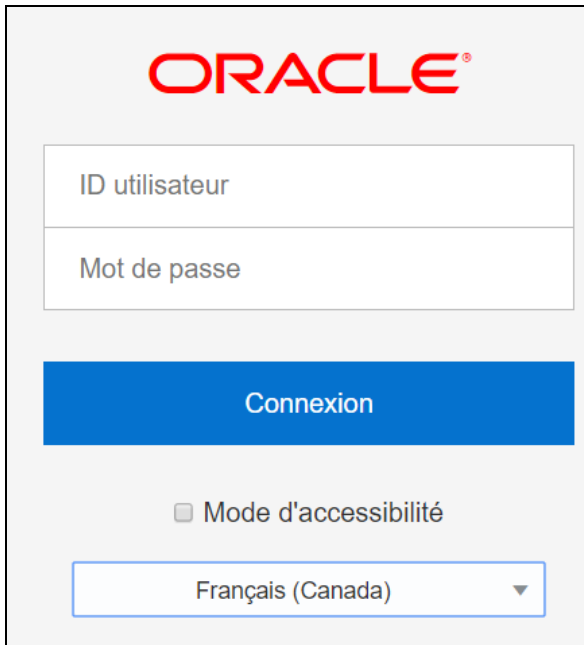
Name	Size	Changed	Rights	Owner
 reconciliation+frameworkcaptions.xml_es_ES.xml	76 KB	6/21/2019 3:14:35 PM	rw-r--r--	ofsaoibie

4. Place the `reconciliation+frameworkcaptions.xml_fr_CA.xml` corresponding to Canadian French Language in the captions folder in the following folder structure.

/.../ofsaoibie/Oracle/Middleware/Oracle_Home/user_projects/domains/OBIEE12c/bidata/service_instances/ssi/metadata/content/msgdb/l_fr_CA/captions

Name	Size	Changed	Rights	Owner
 reconciliation+frameworkcaptions.xml_fr_CA.xml	76 KB	6/26/2019 3:23:01 PM	rw-r--r--	ofsaoibie

5. Restart the Presentation Services in Enterprises Manager.
6. Log in to analytics by selecting the language as Spanish or Canadian French.

The image shows the Oracle login interface in Spanish. At the top is the Oracle logo in red. Below it are two input fields: 'ID de Usuario' and 'Contraseña'. A blue button labeled 'Conectar' is positioned below the fields. Underneath the button is a checkbox labeled 'Modo de Accesibilidad'. At the bottom is a language selection dropdown menu currently set to 'Español'.The image shows the Oracle login interface in French. At the top is the Oracle logo in red. Below it are two input fields: 'ID utilisateur' and 'Mot de passe'. A blue button labeled 'Connexion' is positioned below the fields. Underneath the button is a checkbox labeled 'Mode d'accessibilité'. At the bottom is a language selection dropdown menu currently set to 'Français (Canada)'.

7. Verify if the captions are translated in the dashboard reports.

1.3.1.2 RPD CONFIGURATION FOR LANGUAGE PACK IMPLEMENTATION

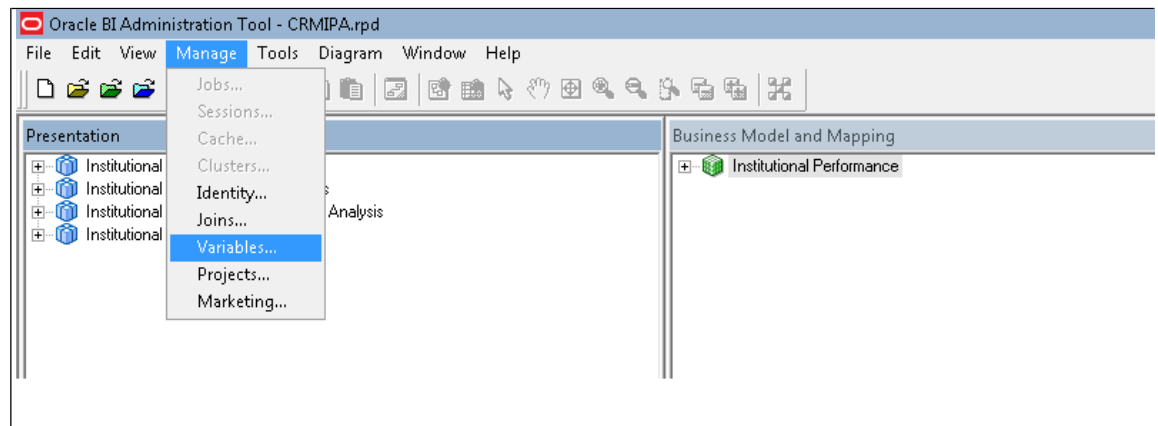
Prerequisite:

To implement the language pack successfully on RPD, it is mandatory to have a connection pool that provides external metadata strings corresponding to the RPD of the product.

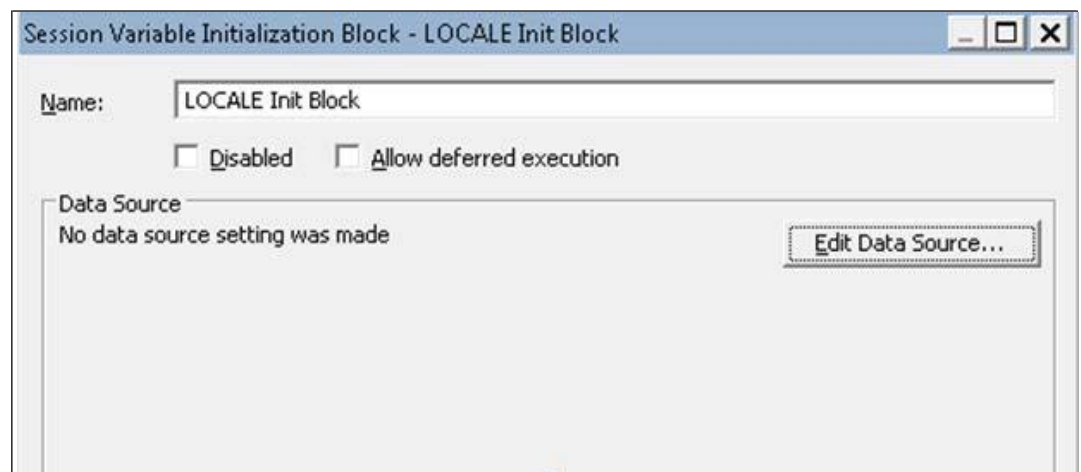
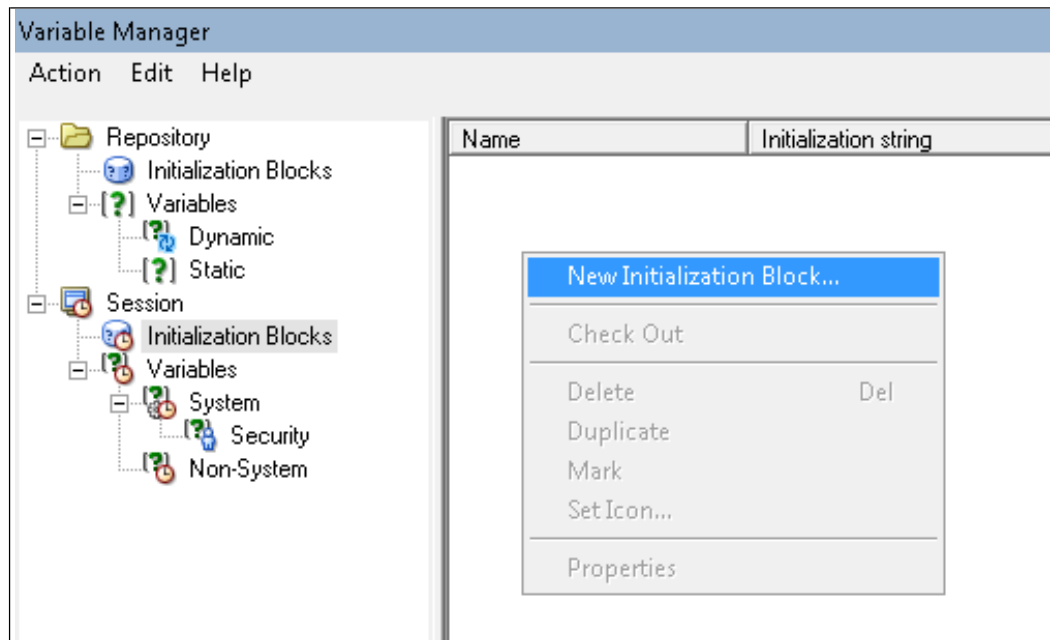
In the below example, the source is a physical database table FSI_BI_MESSAGES_REPOSITORY_MLS with the relevant columns for the object ID and object name as message_id, message_text respectively.

Follow the below steps to configure the RPD for language pack:

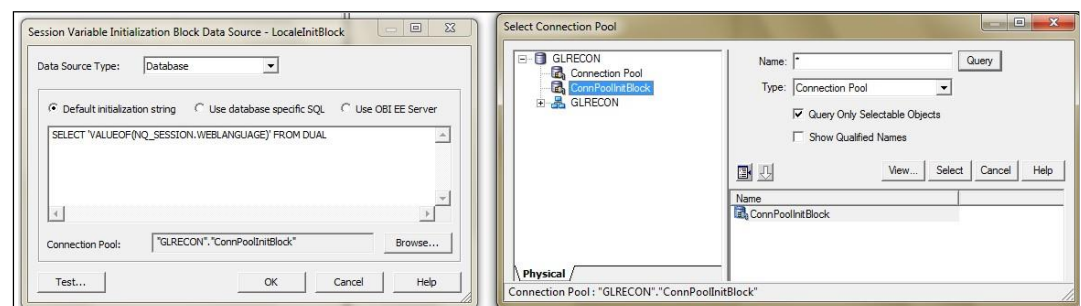
1. Update LANGUAGE_ID column of FSI_BI_MESSAGES_REPOSITORY_MLS and replace the LANGUAGE_ID with corresponding values that will be recognized by OBIEE. Below are few examples :
 - fr_FR = FRA
 - es_WW = ESN
 - fr_CA=FRC
 - de_DE = DEU
 - ar_EG = ARA
 - zh_TW = CHT
 - zh_CN = CHS
 - pt_BR = PTG
 - ko_KR = KOR
 - ja_JP = JPN
 - it_IT = ITA
2. Open the RPD and navigate to the section Manage > Variables.



3. Create a new session Initialization block: LOCALE Init Block.

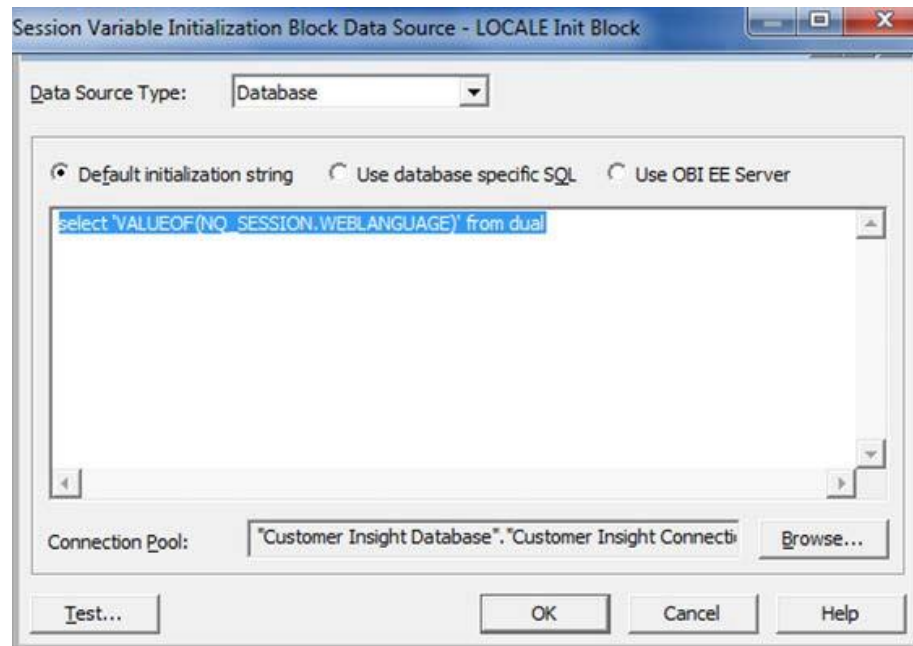


4. Add the connection pool which contains the External Metadata Strings as a Data Source.

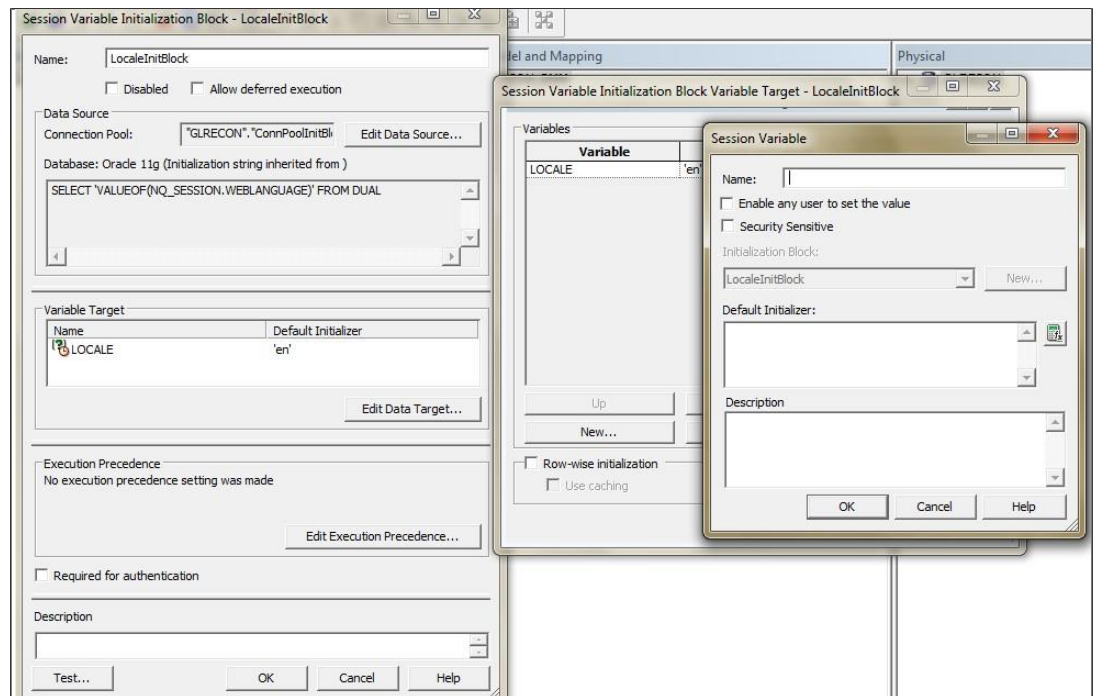


5. Enter the following query as the default initialization string

```
select 'VALUEOF(NQ_SESSION.WEBLANGUAGE)' from dual
```



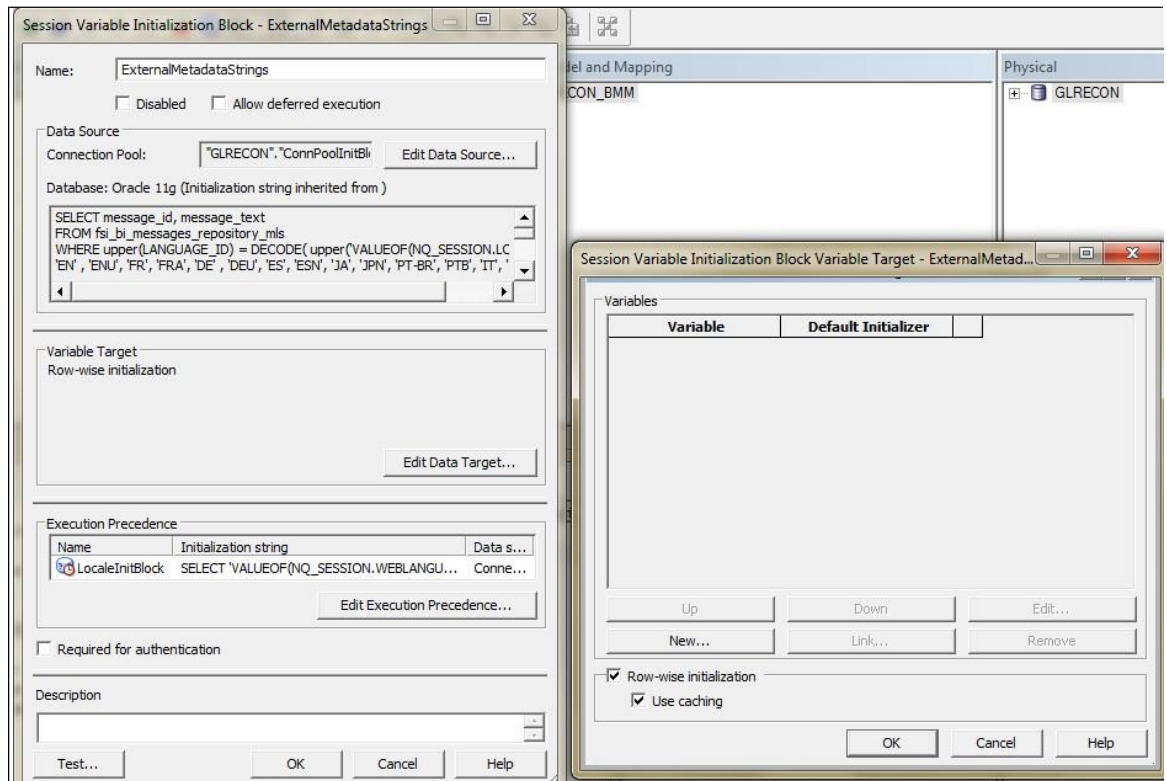
6. Create a new data target for the initialization block by the name LOCALE and initialize it to 'en' (for English). (Default Initializer: 'en')



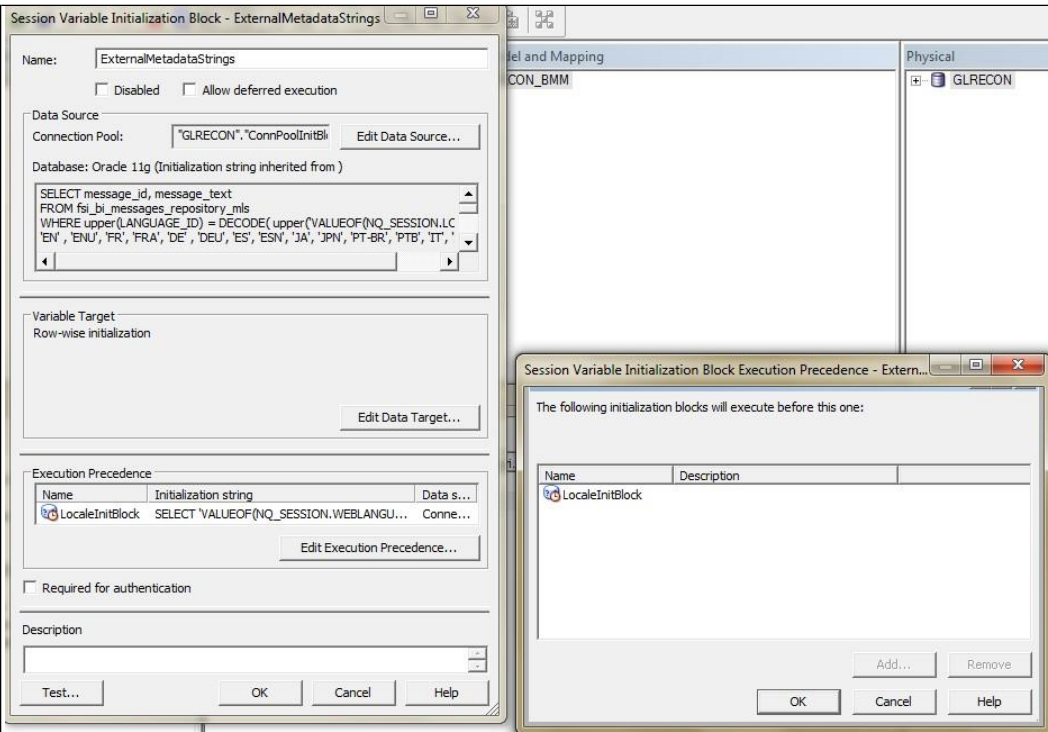
7. Repeat step 2 to create another initialization block as: "External Metadata Strings" and select the same data source with the Default Initialization String as below :

```
SELECT message_id, message_text FROM fsi_bi_messages_repository_mls
WHERE upper(LANGUAGE_ID) = DECODE(
upper(VALUEOF(NQ_SESSION.LOCALE)), 'EN', 'ENU', 'FR', 'FRA', 'DE', 'DEU', 'ES',
'ESN', 'JA', 'JPN', 'PT-BR', 'PTB', 'IT', 'ITA',
'SV', 'SVE', 'DA', 'DAN', 'NL', 'NLD', 'ZH', 'CHS', 'ZH-TW', 'CHT', 'IW', 'HEB', 'KO', 'KOR',
'CS', 'CSY', 'FI', 'FIN', 'EL', 'ELL', 'PT', 'PTG', 'PL', 'POL', 'EL', 'GRC', 'HU', 'HUN',
'RO', 'ROM', 'SK', 'SKY', 'FR-CA', 'FRC', 'EN-CA', 'ENC', 'EN-GB', 'ENG', 'EN-NL', 'ENN',
'EN-IE', 'ENI', 'FR-CH', 'FRS', 'DE-CH', 'DES', 'DE-AT', 'DEA', 'FR-BE', 'FRB', 'NL-BE', 'NLB',
'TR', 'TRK', 'ENU')
UNION
SELECT 'A' AS MESSAGE_ID, 'B' AS MESSAGE_TEXT FROM DUAL
```

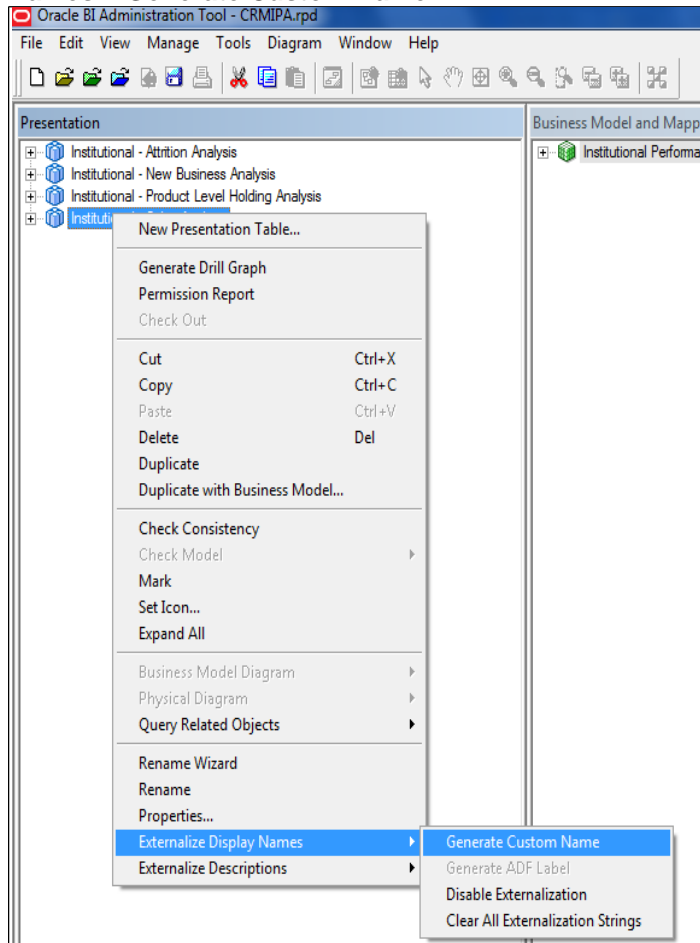
8. Edit the Data Target and select **Row-wise Initialization** and **Use Caching**.



9. Edit **Execution Precedence** and add Locale Init Block.



10. Right click on each Presentation Layer Subject Area and select **Externalize Display Names > Generate Custom Name**.



11. Check in the changes and save the RPD.

If you login to Analytics with a language which is supported in `fsi_bi_messages_repository_mls` table, you can view all Presentation Layer Objects in the corresponding language.

12. Restart the Presentation Services in Enterprises Manager.

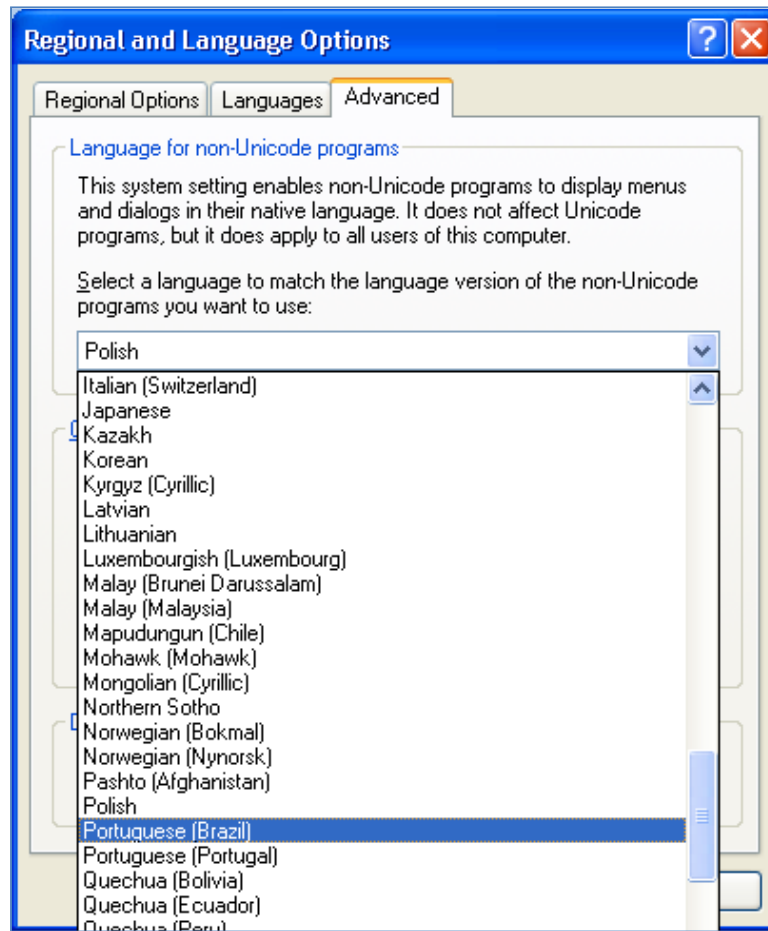
1.4 User Desktop Settings

Post successful installation of Language Pack, you need to set the Operating System and Browser on every User Desktop, prior accessing the OFS DM application.

Follow these steps to enable the settings in Operating System level.

1. Navigate to **Start**; click **Control Panel** select **Regional and Language Options**.

2. Under the **Formats** tab, choose the desired language from the drop-down list for Language for non-Unicode programs.

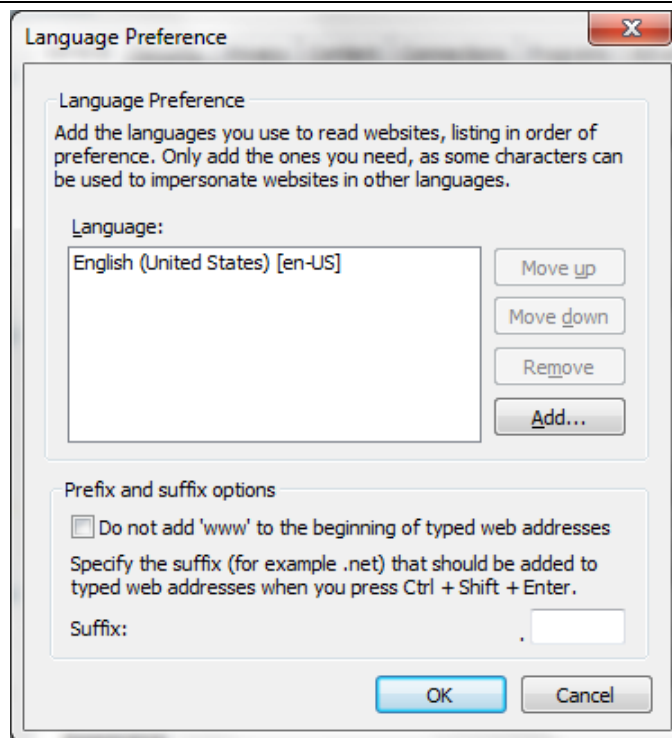


For information on Language Pack Code and its Properties, refer to [Supported Language Pack Details](#) section.

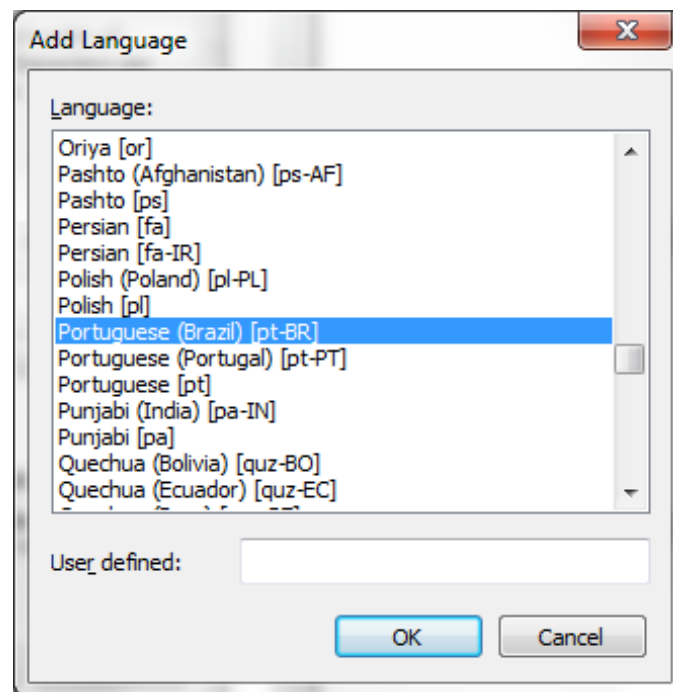
3. Click **Apply** and click **OK**.

Follow these steps to enable the settings in Browser (Internet Explorer).

1. Navigate to **Tools > Internet Options**.
2. Under the **General** tab, Click **Languages**. The Language Preference window is displayed.



3. Click **Add**. The Add Language window is displayed.



4. Select the installed Language Pack from the list. You can press and hold **Ctrl** key for multiple selections. For information on Language Pack Code and its Properties, refer to section [Supported Language Pack Details](#).
5. Click **OK** in the Language Preference window and again click **OK** in Internet Options window to save the settings and exit.
6. Restart the user machine for the above changes to take effect.

1.5 General Observations

- Some of the strings may not be present in all supported languages and will be displayed in English.
- In some of the Run Management screens, few strings are displayed in Spanish/Canadian French when English locale is selected.

OFSAAI Support Contact Details

- Contact Infrastructure support at <https://flexsupp.oracle.com> if you have installed ERM and FCCM applications.
- Raise an SR in <https://support.oracle.com> if you have any queries related to EPM applications.

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