Oracle Financial Services Data Management Application Pack

Language Pack Installation & Configuration Guide

Version 8.0.0.0.0

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FINANCIAL SERVICES

DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
Version 1.0	November 2015	Created document to capture OFS DM Language Pack Release 8.0.0.0.0 patch update procedure.
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Executive Summary

This document includes the necessary instructions to install the OFS DM Language Pack 8.0.0.0.0 and perform the required post update configurations. The latest copy of this guide can be accessed from OTN Library.

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1 OFS Data Management Language Pack Release 8.0.0.0.0

This document describes the necessary steps to install and configure Oracle Financial Services Data Management (OFSDM) Language Pack 8.0.0.0.0, and enable the UI of OFS DM in different languages in addition to US-English. The language Packs supported in this release are *Simplified Chinese, Traditional Chinese, French, German, Indonesian, Italian, Japanese, Korean, Portuguese, Russian, Spanish, French Canada, Arabic, Hebrew, Turkish,* and *Vietnamese.*

1.1 Pre Installation Requirements

- OFS DM 8.0.0.0.0 has to be successfully installed before proceeding with this installation.

- 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:

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

1.1.1 Additional Information

Based on the version of OFSAAI Pack in the setup, the following additional patches should be installed:

OFSAAI Pack Version	Patches/ Instructions
8.0.0.0.0	Download and install patch for BUG # **21221216**: CONSOLIDATED 1-OFF FOR LP ON OFS AAAI 8.0.0.0.0 BUG # **21327328**: ERROR EXECUTING SCRIPT DURING LP INSTALLATION BUG # **21422713**: METADATA BROWSER APPLICATION LIST GETTING DISPLAYED IN ENGLISH
8.0.0.1.0	Download and install patch for BUG # **21221246**: CONSOLIDATED 1-OFF FOR LP ON OFS AAAI 8.0.0.1.0 BUG # **21339774**: ERROR EXECUTING SCRIPT DURING LP INSTALLATION BUG # **21500033**: METADATA BROWSER APPLICATION LIST GETTING DISPLAYED IN ENGLISH

Based on the version of DM Pack in the setup, the following additional patches should be installed:

DM Pack Version	Patches/ Instructions
8.0.0.0.0	Download and install patch for BUG # **21112118**: GL RECONCILIATION - ADJUSTMENT ENTRY NOT WORKING WITH SEARCH

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/ and search for **Bug # 21888883** under the *Patches & Updates* tab.

2. Download the OFS DM Language Pack 8.0.0.0.0 Release #1 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 OTN 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 8.0.0.0.0 LP archive file using the following command:

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

   For example, `unzip aix OFS_DM_8.0.0.0.0_LP_GENERIC.zip`

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

   ```
   chmod –R 755 OFS_DM
   ```

7. Grant 775 permission to `$FIC_HOME/OFS_AAI/MIG.sh` and `$FIC_HOME/OFS_AAI/MLS.sh`

8. Navigate to `OFS_DM/bin` directory. The Language Pack installation is supported in both **GUI Mode** and **Silent Mode**. Begin the Language Pack installation by executing **Setup.sh** file in either of the following options:

   ▪ **./setup.sh GUI** - The GUI Mode of installation requires certain prerequisite configurations to be performed. For more information, refer GUI Mode Installation section.

   ▪ **./setup.sh SILENT** - The SILENT mode of installation does not require a simulator. You need to set the installation parameters in `OFS_DM/conf/ Silent.props` file and execute the command. For more information, refer to the Silent Mode Installation section.

   > **NOTE:** Rename the file `Silent.template` in the installer, as `Silent.props`

   For information on Language Pack *Code* and its *Properties*, refer to the Supported Language Pack Details section.

   Note the following:

   ▪ An Installation log is generated in the path `OFS_DM/logs` folder. You can ignore ORA-00942 and ORA-00955 errors in log file. In case of any other errors, contact Oracle Support.

   ▪ You should not use process-interrupting commands like Ctrl+C or Ctrl+Z, which may terminate the process abruptly.

9. Post successful installation of OFS DM Language Pack 8.0.0.0.0, you need to do the following configurations which are explained in the Post Installation Configuration section.

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 OTN library.

12. Once the OFS DM Language Pack 8.0.0.0.0 has been installed successfully and post installation configurations are done, **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 available at OTN library.

1.2.1 GUI Mode Installation

In GUI mode of installation, you can enter the Installation parameters through the wizard.

To install OFS DM Language Pack 8.0.0.0.0 in GUI mode, follow these steps:

1. Execute the `setup.sh` file with argument as:

   `./setup.sh` **GUI**

```
$ ./setup.sh GUI
Environment check utility started...
================================================================
Java Validation Started ...
 Java found in : /usr/java/jdk1.7.0_72/bin
 JAVA Version found : 1.7.0_72
 JAVA Bit Version found : 64-bit
Java Validation Completed. Status : SUCCESS
================================================================
Environment Variables Validation Started ...
 ORACLE_HOME : /scratch/oracle/app/product/12c/client_1
 TNS_ADMIN : /scratch/oracle/app/product/12c/client_1/network/admin
Environment Variables Validation Completed. Status : SUCCESS
================================================================
OS specific Validation Started ...
 Checking en_US.utf8 locale. Status : SUCCESS
 Unix shell found : /bin/ksh. Status : SUCCESS
 Total file descriptors : 15000. Status : SUCCESS
 Total number of process : 93664. Status : SUCCESS
 OS version : 5. Status : SUCCESS
OS specific Validation Completed. Status : SUCCESS
================================================================
DB specific Validation Started ...
 Oracle Client version : 12.1.0.1.0. Status : SUCCESS
 CREATE SESSION has been granted to user. Status : SUCCESS
 CREATE PROCEDURE has been granted to user. Status : SUCCESS
 CREATE VIEW has been granted to user. Status : SUCCESS
 CREATE TRIGGER has been granted to user. Status : SUCCESS
 CREATE MATERIALIZED VIEW has been granted to user. Status : SUCCESS
 CREATE TABLE has been granted to user. Status : SUCCESS
 CREATE SEQUENCE has been granted to user. Status : SUCCESS
 SELECT privilege is granted for V_$nls_parameters view. Current value : SELECT. Status : SUCCESS
 NLS_LENGTH_SEMANTICS : BYTE. Current value : BYTE. Status : SUCCESS
 NLS_CHARACTERSET : AL32UTF8. Current value : AL32UTF8. Status : SUCCESS
 SELECT privilege is granted for V_$parameter view. Current value : SELECT. Status : SUCCESS
 Open cursor value is greater than 1000. Current value : 1200. Status : SUCCESS
 SELECT privilege is granted for USER_TS_QUOTAS view. Current value : SELECT. Status : SUCCESS
 Schema is granted with at least 500 MB table space. Current value : 500 MB. Status : SUCCESS
 Oracle Server version Current value : 12.1.0.1.0. Status : SUCCESS
DB specific Validation Completed. Status : SUCCESS
================================================================
Environment check utility Status : SUCCESS
================================================================
Preparing to install...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...

Installation completed...

$
```
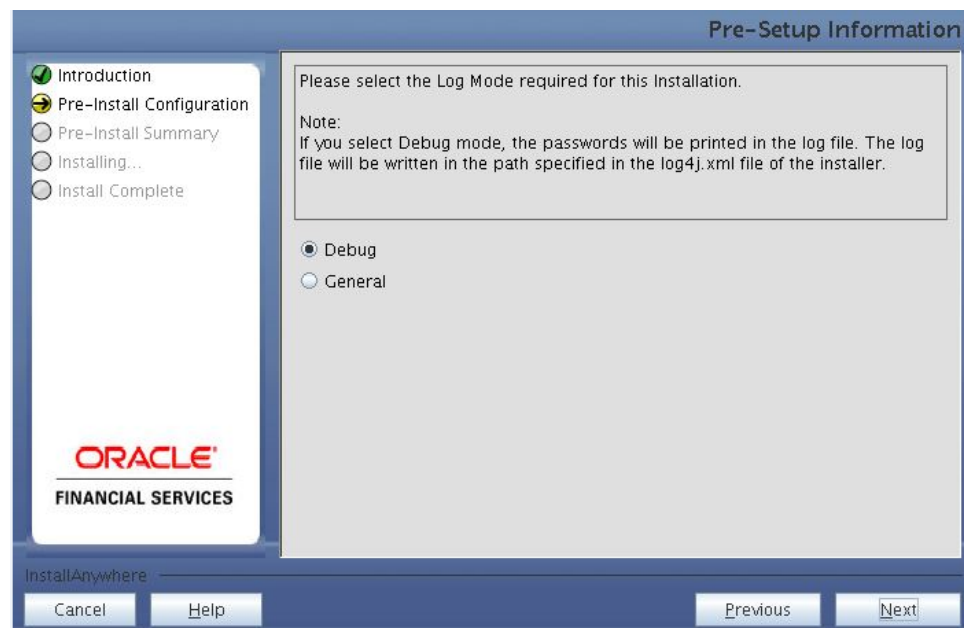
After initialization, the *Introduction* screen is displayed.

---
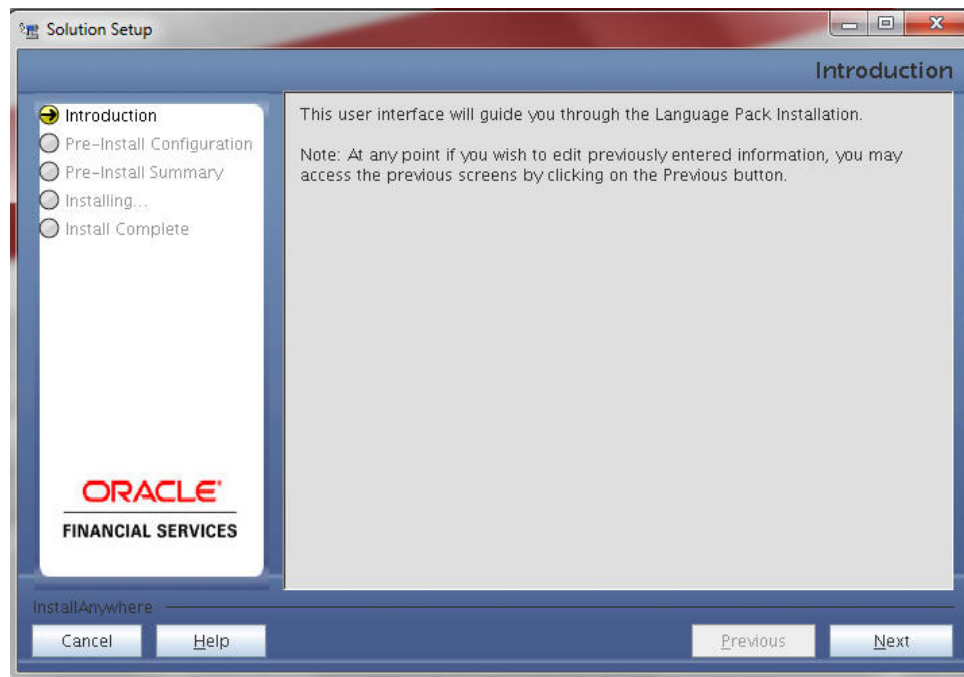
2. Click **Next**. The *Pre-Setup Information* screen is displayed. Select the Log Mode required for the installation.
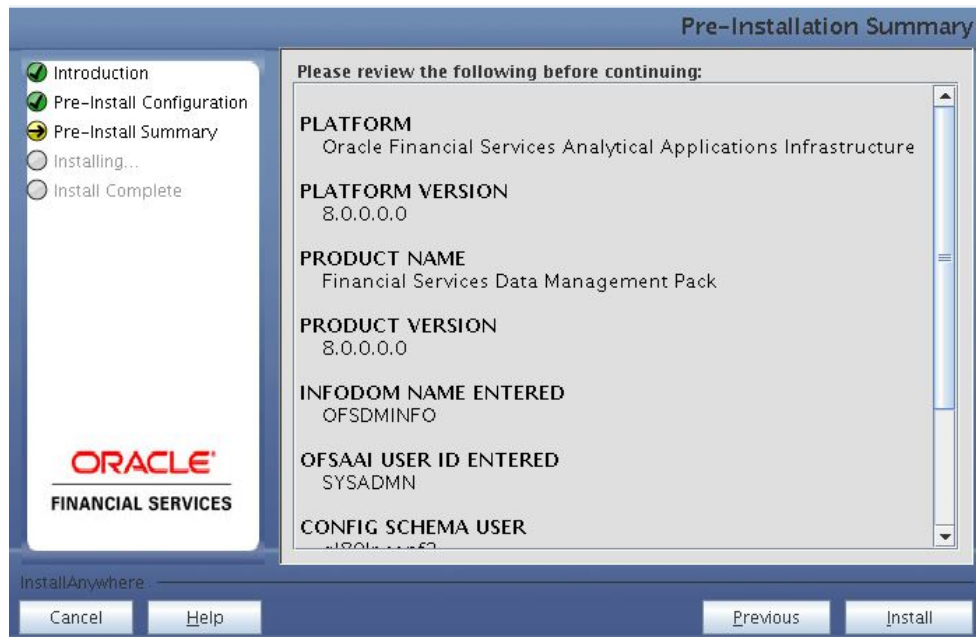

3. Click **Next**. The *Default-Language Selection Panel* screen is displayed. Select the languages you want to install and click **Next**. For information on Language Pack *Code* and its *Properties*, refer to the Supported Language Pack Details section.
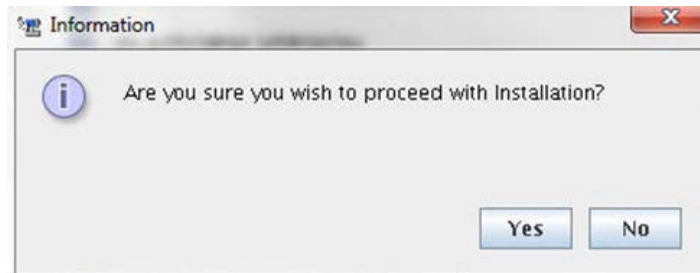
The selected Languages are configured. Click **Next**.

4. The *Pre-Installation Summary* screen is displayed. Click **Install**.

A confirmation message is displayed.

5. Click **Yes** to start the installation process.

6. After the installation is complete the *Installation Complete* window is displayed.
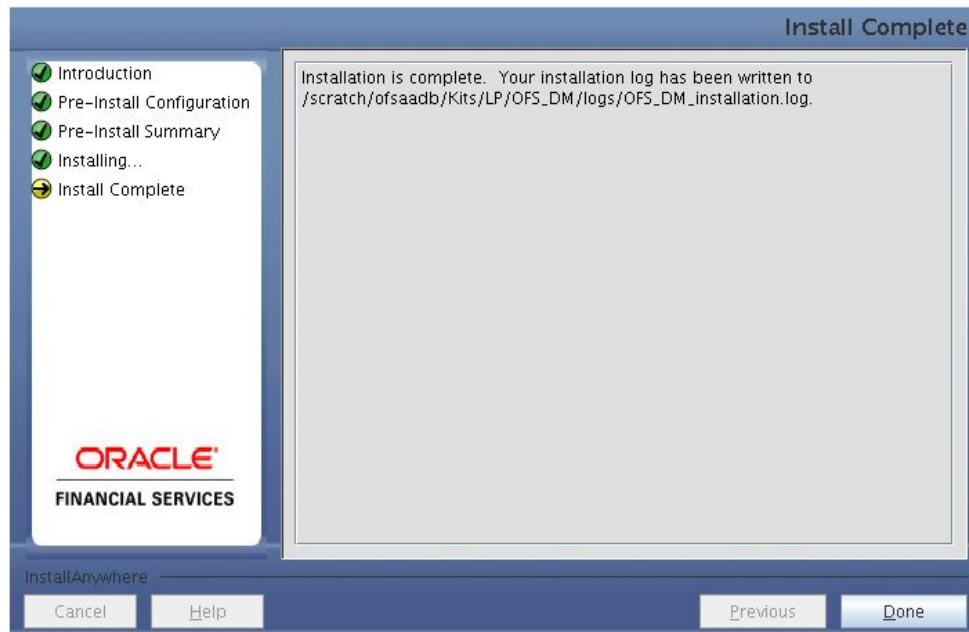
7. Click **Done**.

1.2.2 Silent Mode Installation

To install OFS DM Language Pack 8.0.0.0.0 in Silent mode:

- Modify the `OFS_DM/conf/Silent.template` file to specify the required Language Pack(s) to be installed and save as `Silent.props` file. Set the desired language as the DEFAULT_LANGUAGE.

  For example:

  `DEFAULT_LANGUAGE=fr_CA` to install Canadian French Language Pack.

  For information on Language Pack *Code* and its *Properties*, refer to the Supported Language Pack Details section.

1.3   Post Installation Configuration

Post successful installation of OFS DM Language Pack 8.0.0.0.0, you need to perform the following configurations.

1.3.1   Run MLS Utility

1. Execute the **MLS Utility**.

2. Navigate to `$FIC_HOME/Post_AAI_Migration` directory.

3. Execute the following command:
    `./aaipi.sh`

    For more information, contact Oracle Support.

NOTE: This step is required to be executed every time a new language is installed until the next release of OFS DM language pack is available.

NOTE: If the user is installing Language Pack on AAI version - 8.0.0.0.0 for Canadian French (fr_CA) language, they have to execute the following script in config schema post installation under Language pack:

`<OFS_DM>/OFS_AAI/scripts/FRENCHCANADA/fr_CA/insert_aai_menu_tl_f`
`r_CA.sql`

1.3.2   OBIEE Translation

This section contains the following:

*   Catalog Configuration For Language Pack – OBIEE
*   RPD Configuration For Language Pack Implementation

1.3.2.1   Catalog Configuration for Language Pack – OBIEE

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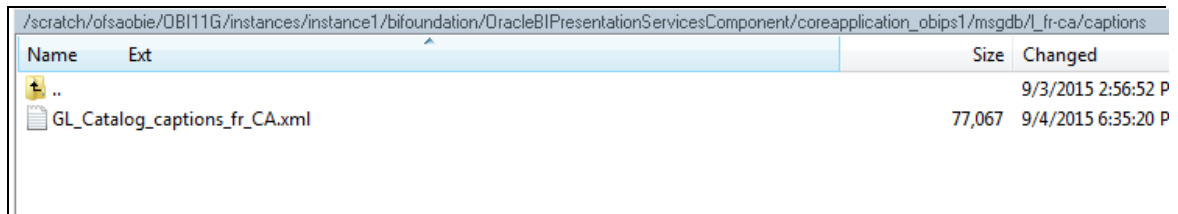
It is mandatory to have `captions.xml` for the catalog captions in all the desired languages before starting the catalog configuration.

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

1. Navigate to the below OBIEE folder:
    `$ORACLE_INSTANCE/bifoundation/OracleBIPresentationServicesComponent/$CO`
    `MPONENT_NAME/msgdb/`

2. Create a folder structure for each of the languages as below (for example, 'fr-ca' stands for Canadian French)

`/msgdb/l_fr-ca/captions`

3. Place the `captions.xml` corresponding to French Language in the `captions` folder in the above folder structure.

4. Restart the Presentation Services in Enterprises Manager.
5. Log in to analytics by selecting the language as French.

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

1.3.2.2   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*.
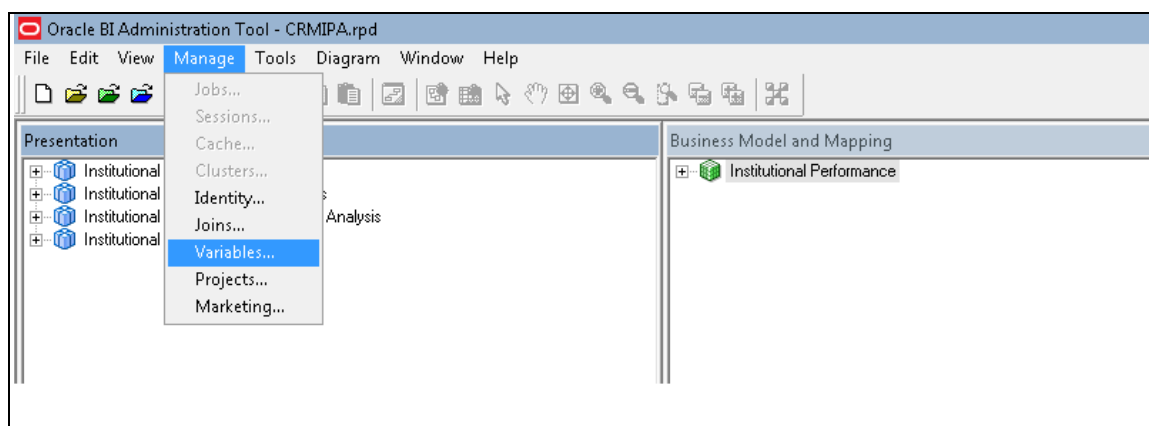
3. Create a new session Initialization block: `LOCALE Init Block.`
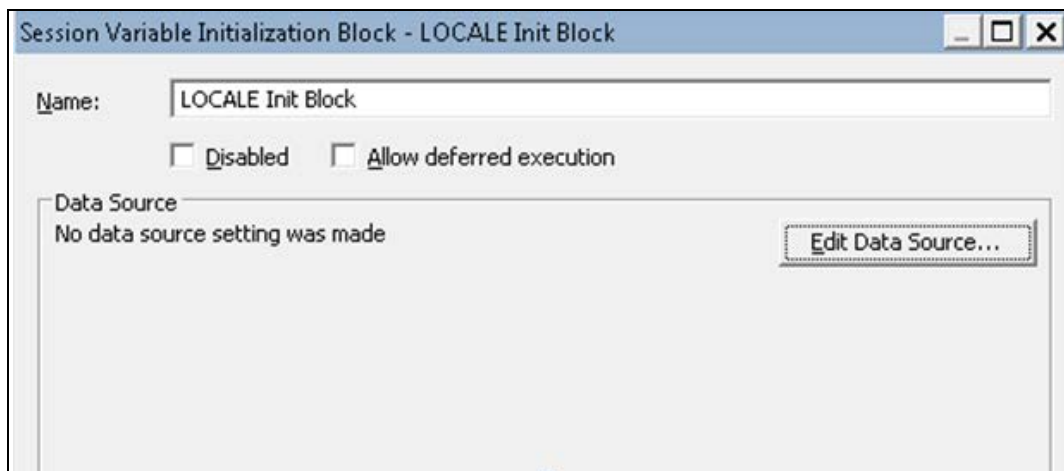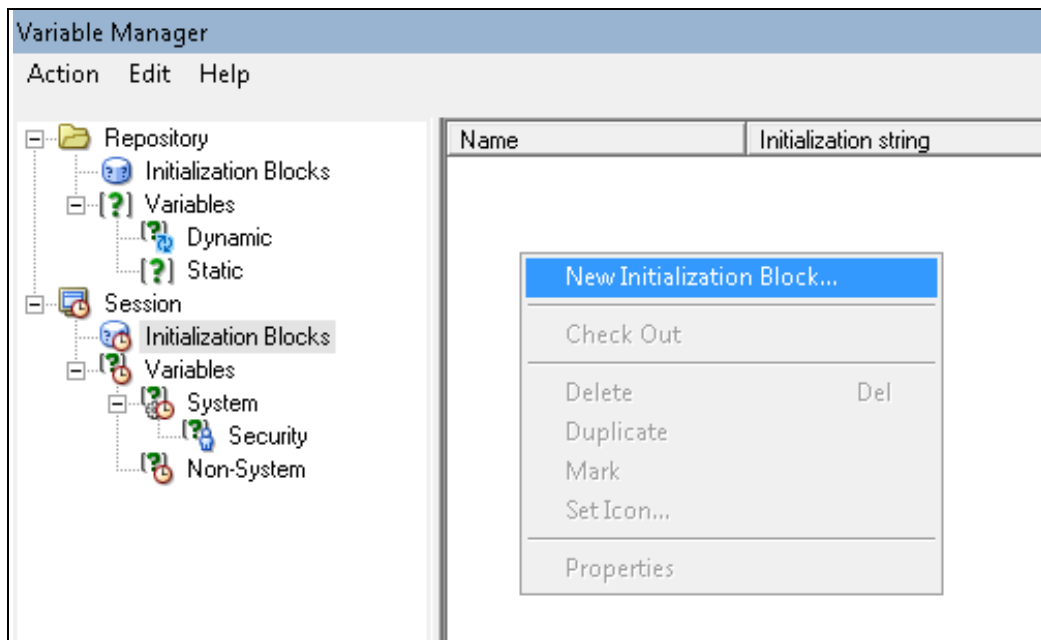
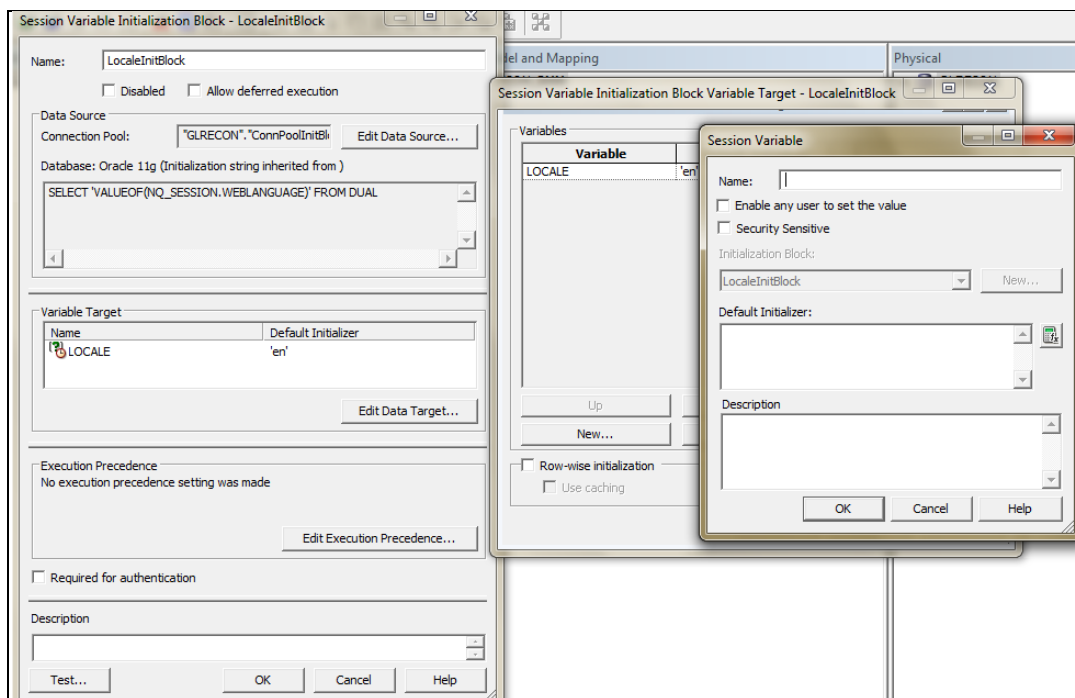4. Add the connection pool which contains the External Metadata Strings as a Data Source.
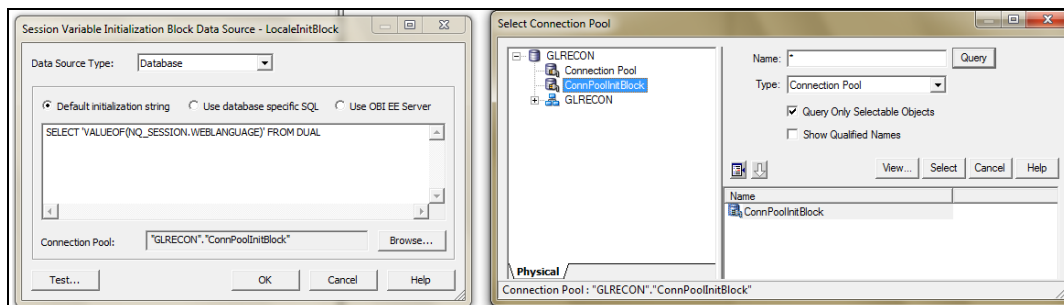
5. Enter the following query as the default initialization string

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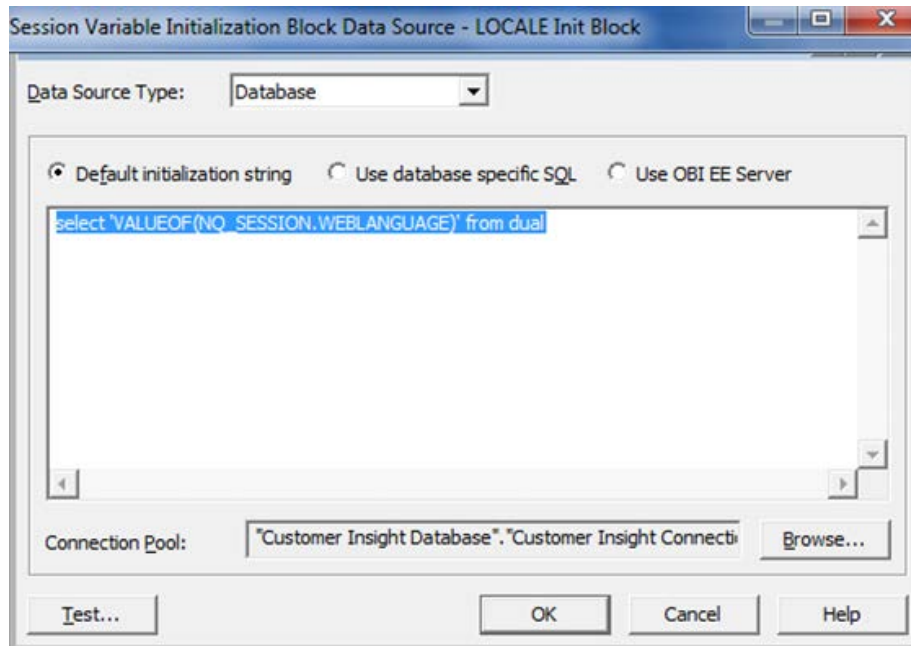

6. Create a new data target for the initialization block by the name `LOCALE` and initialize it to 'en' (for English). (Default Initializer: 'en')

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
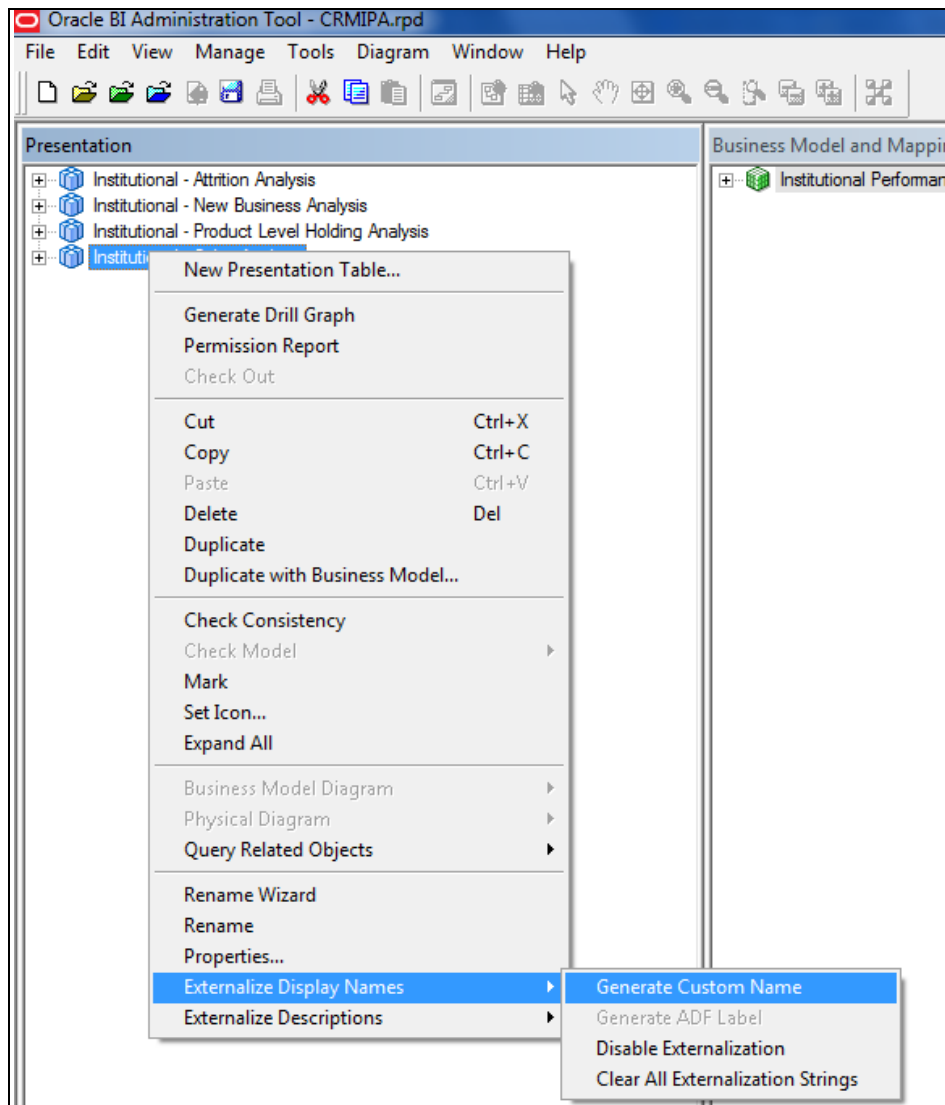
SELECT 'A' AS MESSAGE_ID,'B' AS MESSAGE_TEXT FROM DUAL

8. Edit the Data Target and select **Row-wise Initialization** and **Use Caching.**
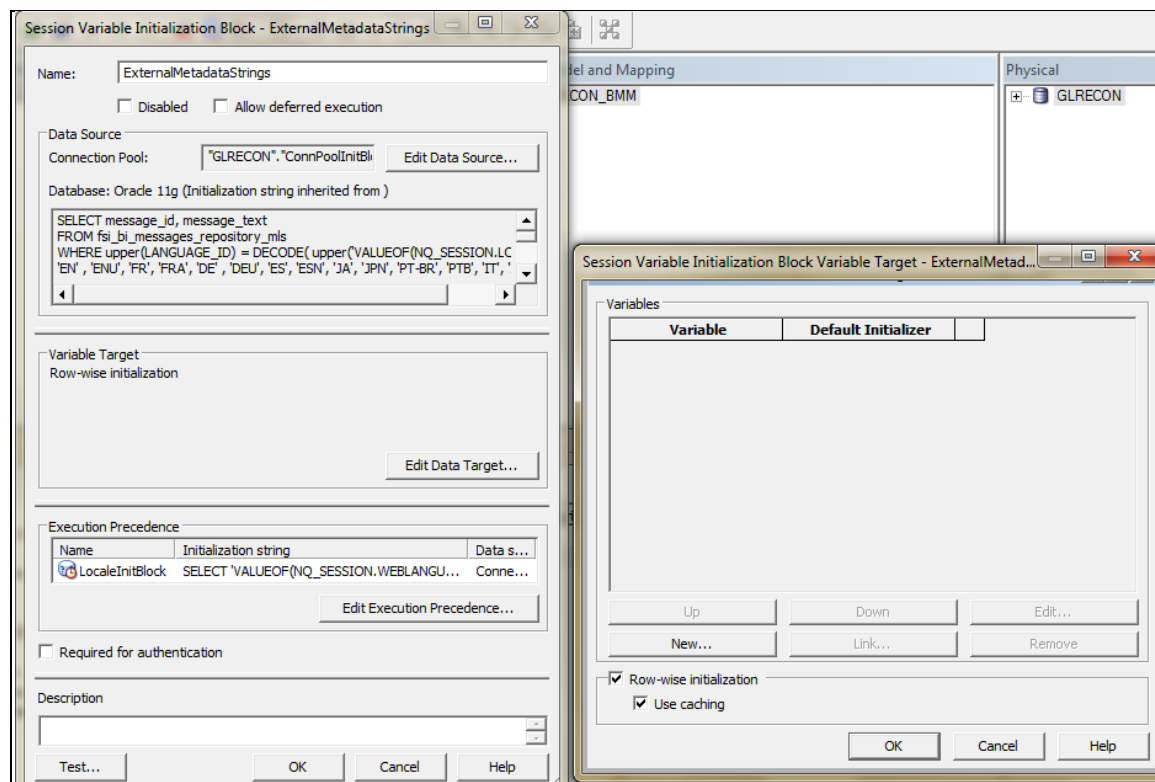
9. **Edit Execution Precedence** and add *Locale Init Block*.
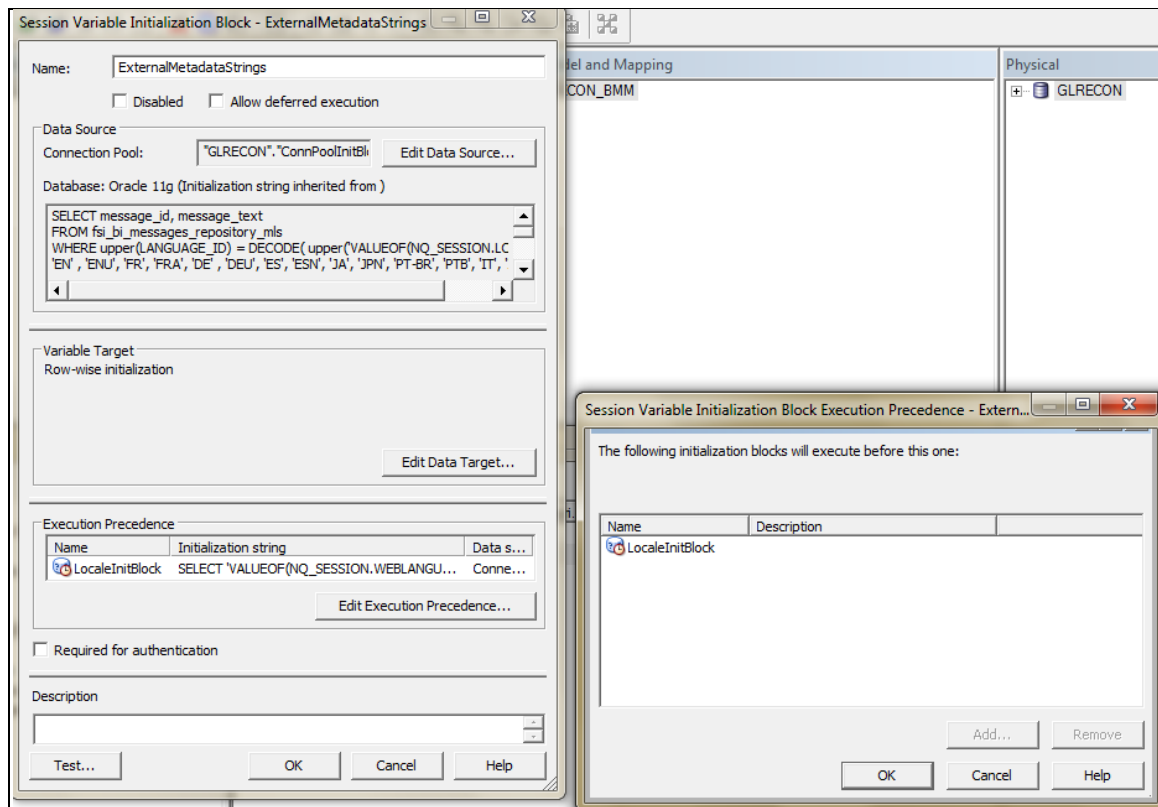
10. Right click on each Presentation Layer Subject Area and select **Externalize Display Names** >
    Generate Custom Name

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.

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.
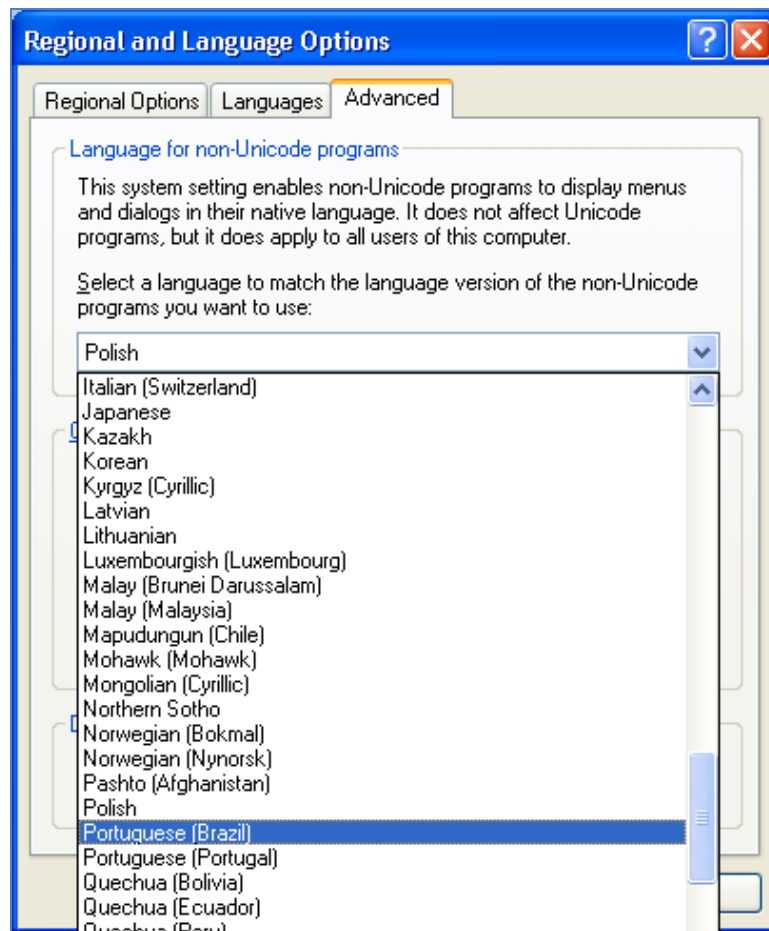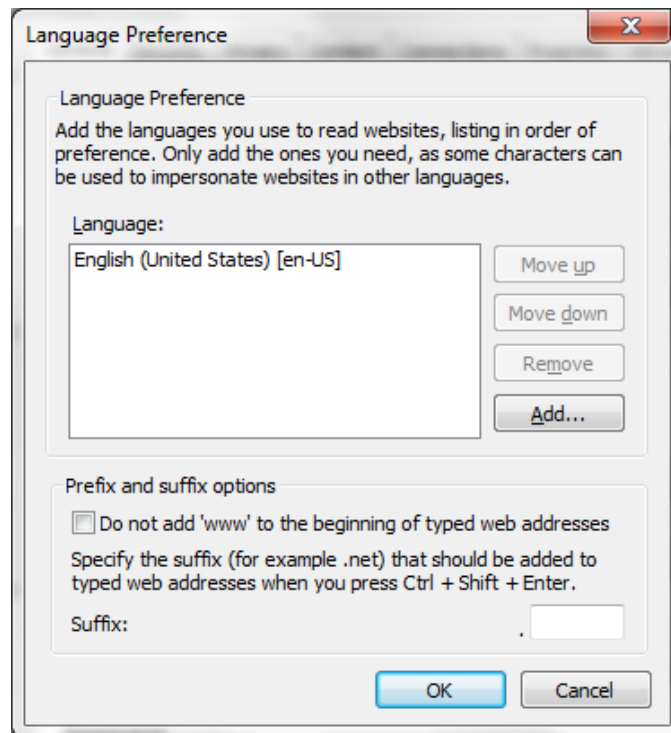

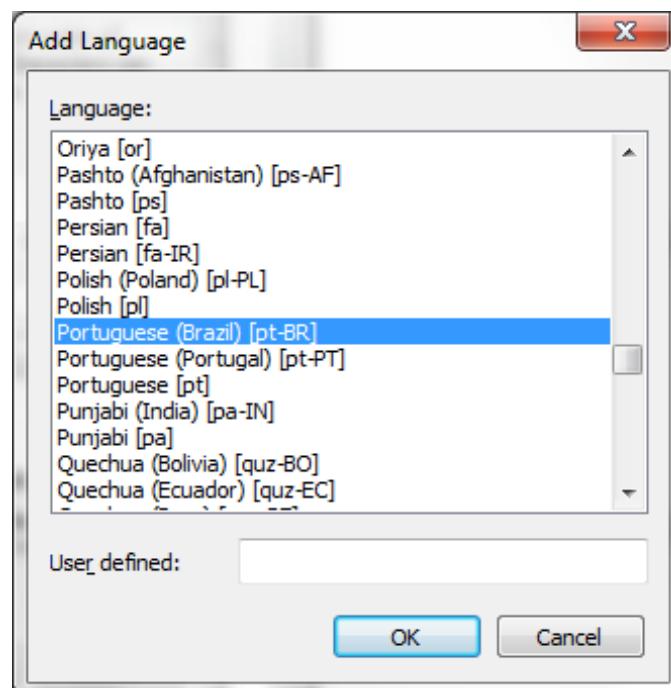For information on Language Pack *Code* and its *Properties*, refer to Supported Language Pack Details section.

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. Click **OK**.

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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.

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2   References

This section of the document consists of information which is is common to all the sections and are referenced where ever required. You can refer to the details based on your need.

2.1   Supported Language Pack Details

The following table lists all the supported Language Packs in OFS DM 8.0.0.0.0 release along with their code and properties available for selection.

Sl. No.	Language Pack	Locale	Locale as displayed in "Regional and Language Options" list	Code	Properties 1 = Install 0 = Don't Install
1	Simplified Chinese	LOCALE_CHINESE_SIM	Chinese (PRC)	zh_CN	0 or 1
2	Traditional Chinese	LOCALE_CHINESE_TRAD	Chinese (Taiwan)	zh_TW	0 or 1
3	French	LOCALE_FRENCH	French (France)	fr_FR	0 or 1
4	German	LOCALE_GERMAN	German (Germany)	de_DE	0 or 1
5	Indonesian	LOCALE_INDONESIAN	Indonesian	id_ID	0 or 1
6	Italian	LOCALE_ITALIAN	Italian (Italy)	it_IT	0 or 1
7	Japanese	LOCALE_JAPANESE	Japanese	ja_JP	0 or 1
8	Korean	LOCALE_KOREAN	Korean	ko_KR	0 or 1
9	Portuguese	LOCALE_PORTUGUESE	Portuguese (Brazil)	pt_BR	0 or 1
10	Russian	LOCALE_RUSSIAN	Russian	ru_RU	0 or 1
11	Spanish	LOCALE_SPANISH	Spanish (Spain)	es_ES	0 or 1
12	Thai	LOCALE_THAI	Thai	th_TH	0 or 1
13	Vietnamese	LOCALE_VIETNAMESE	Vietnamese	vi_VN	0 or 1
14	Canadian French	LOCALE_CANNDIAN FRENCH	Canadian French	fr_CA	0 or 1
15	Arabic	LOCALE_ARABIC	Arabic	ar_EG	0 or 1
16	Hebrew	LOCALE_HEBREEW	Hebrew	iw_IL	0 or 1
17	Turkish	LOCALE_TURKISH	Turkish	tr_TR	0 or 1

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2.2   Configuration for GUI Mode Installation

To install OFS DM Application Pack in GUI mode, you need to ensure the below software and configurations are available:

▪   Install and configure any PC X Server software such as Open Text Exceed (formerly Hummingbird Exceed) on the user desktop system from which the installation is triggered.

▪   Configure DISPLAY variable in the user .profile.

Ensure to set the DISPLAY variable (in user .profile) on the system on which OFSAA will be installed to point to the user desktop system where the PC X Server software has been installed.

Syntax:

```
export DISPLAY=hostname:n.n1
```

where hostname is the IP Address/ Host Name of the user desktop system and n is the sequence number (usually 0).

For example, `10.11.12.13:0.0` or `myhostname:0.0`

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OFS Data Management Application Pack
Language Pack Installation and Configuration Guide

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