Oracle Financial Services Customer Analytics Application Pack

Language Pack Installation and Configuration Guide

Version 8.0.0.0.0

ORACLE®
FINANCIAL SERVICES

DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
Version 1.0	June 2015	Created document to capture OFS CA Application Pack (Language Pack) 8.0.0.0.0 Release patch update procedure.
Created By: Snigdha Thakuria	Reviewed By: Soumyajit Das	Approved By: Kiran Katekar, Kallol Das

Executive Summary

This document includes the necessary instructions to install the OFS CA Application Pack (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.

ORACLE®

TABLE OF CONTENTS

ORACLE®

1   OFS CA Application Pack (Language Pack) 8.0.0.0.0 Release

This document describes the necessary steps to install and configure 8.0.0.0.0 (Language Pack), and enable the UI of OFS CA Application Pack 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, Thai, French Canada, Arabic, Hebrew, Turkish,* and *Vietnamese*.

1.1   Pre Installation Requirements

OFS CA Application Pack 8.0.0.0.0 has to be successfully installed before proceeding with this installation.

Note: To check the locale installed, execute the following command:

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

Based on the operating system, change the locale as follows:

- Linux: en_US.utf8

- AIX: EN_US.UTF-8

- Solaris: en_US.UTF-8

1.1.1   Additional Information

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

OFS AAAI Pack Version	Patches/ Instructions
8.0.0.0.0	Download and install patch for BUG # **21221216**: CONSOLIDATED 1-OFF FOR LP ON OFS CA 8.0.0.0.0 BUG # **21327328**: ERROR EXECUTING SCRIPT DURING LP INSTALLATION
8.0.0.1.0	Download and install patch for BUG # **21221246**: CONSOLIDATED 1-OFF FOR LP ON OFS CA 8.0.0.1.0 BUG # **21339774**: ERROR EXECUTING SCRIPT DURING LP INSTALLATION

ORACLE®

1.2   How to Apply this Language Pack Release?

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

1. Login to https://support.oracle.com/ and search for **20560408** under the *Patches & Updates* tab.

2. Download the Oracle Financial Services PM Pack v8.0.0.0.0 Language Pack Release #1 archive file from MOS and copy it to your OFSAA server in **Binary** mode.

3. Stop all the OFSAA Services. For more information, refer to the *Start/Stop Infrastructure Services* section in OFS CA 8.0.0.0.0 Installation and Configuration Guide available at OTN library.

4. If you have Unzip utility, skip to the next step. Download the Unzip utility (OS specific) `unzip_<os>.Z` from the location https://updates.oracle.com/unzips/unzips.html and 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 CA Application Pack Language Pack 8.0.0.0.0 archive file using the following command:

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

   For example, `unzip aix OFS_PM_8.0.0.0.0_LP_GENERIC.zip`

6. Grant permissions 755 for Installation and Download directory.

7. Navigate to `OFS_AAA/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 Configuration for GUI Mode Installation.

ORACLE®

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

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_PM/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.

8. Post successful installation of the Language Pack, perform the configurations as explained in the Post Installation Configuration section.

9. Delete the existing EAR/WAR file available in `$FIC_HOME/ficweb` folder.

10. Generate **EAR/WAR** file and redeploy the application onto your configured web application server. For more information, refer to *Appendix C* in the OFSAAI 8.0.0.0.0 Installation and Configuration Guide available at OTN library.

11. Once the Language Pack has been installed successfully and post installation configurations are done, **restart** all the OFSAA services. For more information, refer to the *Appendix D* section in the OFSAAI 8.0.0.0.0 Installation and Configuration Guide available at OTN library.
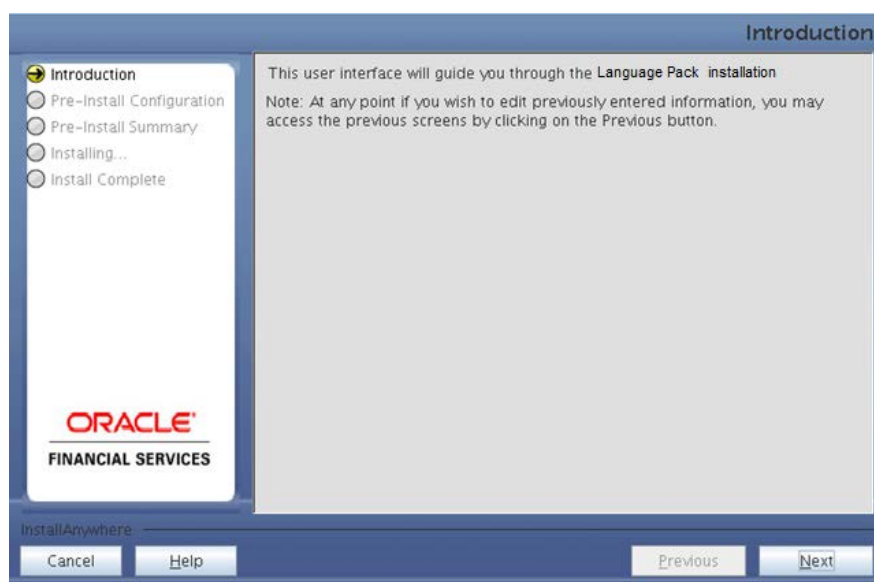
1.2.1 GUI Mode Installation

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

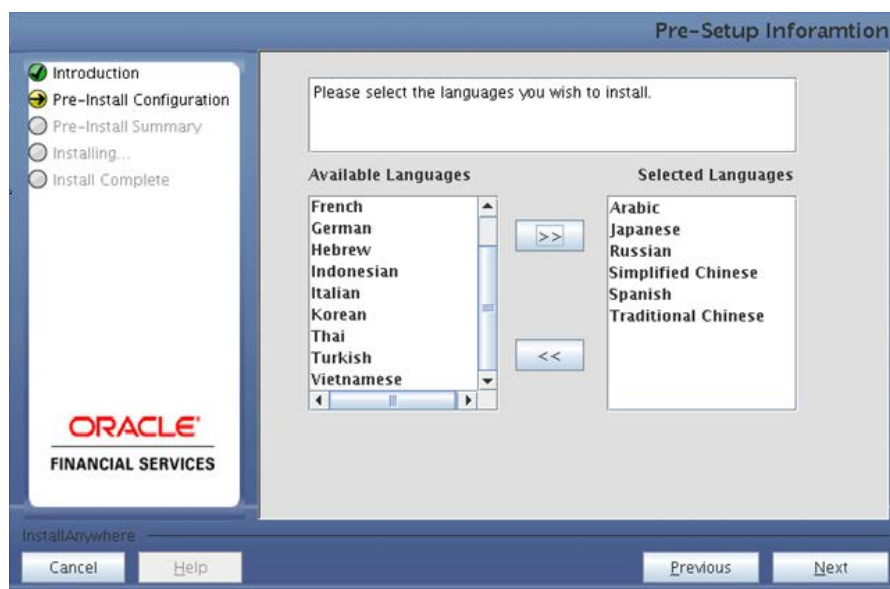To install Language Pack in GUI mode, follow these steps:

1. Execute the `setup.sh` file with argument as `./setup.sh` **GUI**.

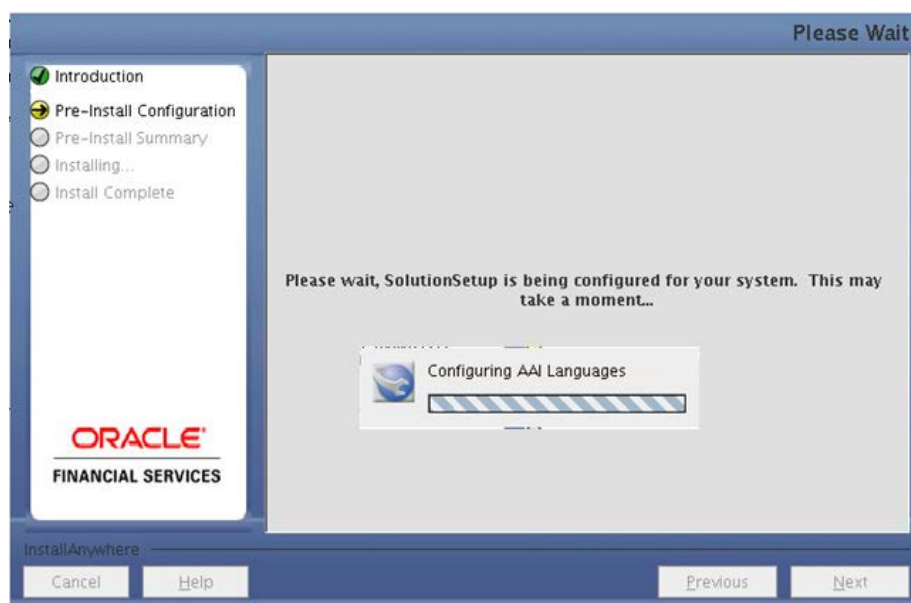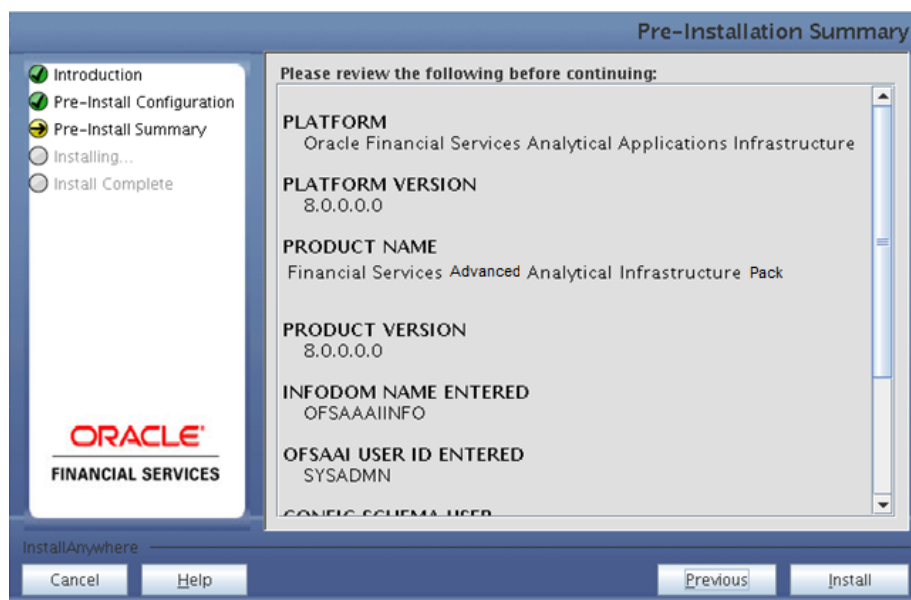   After initialization, the *Introduction* screen is displayed.

2. Click **Next**.

3. 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.
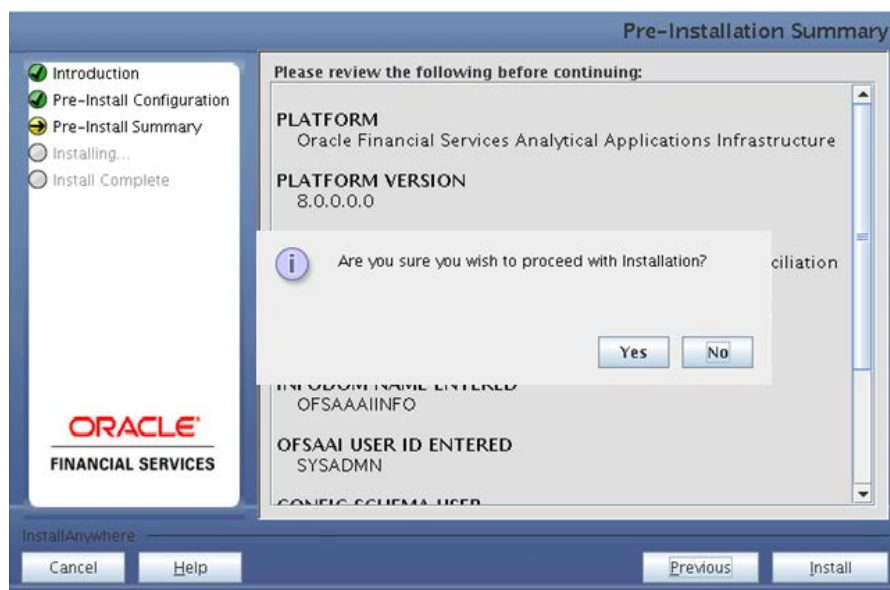
ORACLE®

The selected Languages are configured.

4. 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.
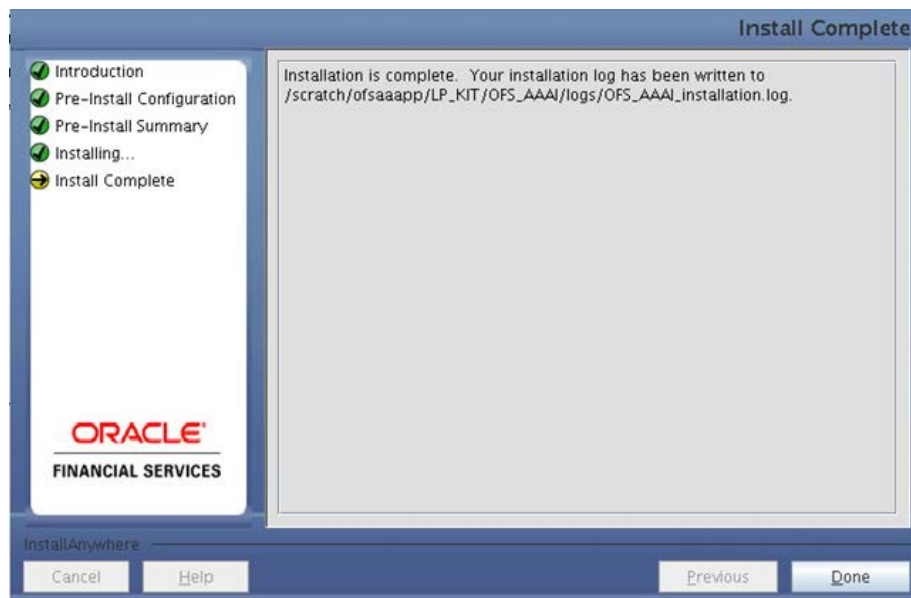
7. Click **Done**.

1.2.2 Silent Mode Installation

Modify the `OFS_PM/conf/silent.template` file to specify the required Language Pack(s) to be installed and save as `silent.props` file. Set the value to **1** against the desired language to install or 0 to skip installation of the language. You can also set the value **1** against multiple languages.

For example:

`LOCALE_FRENCH=1` to install French Language Pack.

`LOCALE_GERMAN=1` to install German Language Pack.

`LOCALE_CHINESE_SIM=0` to skip the installation of Simplified Chinese 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 8.0.0.0.0 (Language Pack), you need to configure Tomcat with *UTF-8 Encoding* (required only if your web application server is Tomcat) and set the `NLS_LANG` parameter property, as explained in the following sections.

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 CA Application Pack Language Pack is available.

1.4 User Desktop Settings

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

To enable the settings in Operating System level, follow these steps:

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.
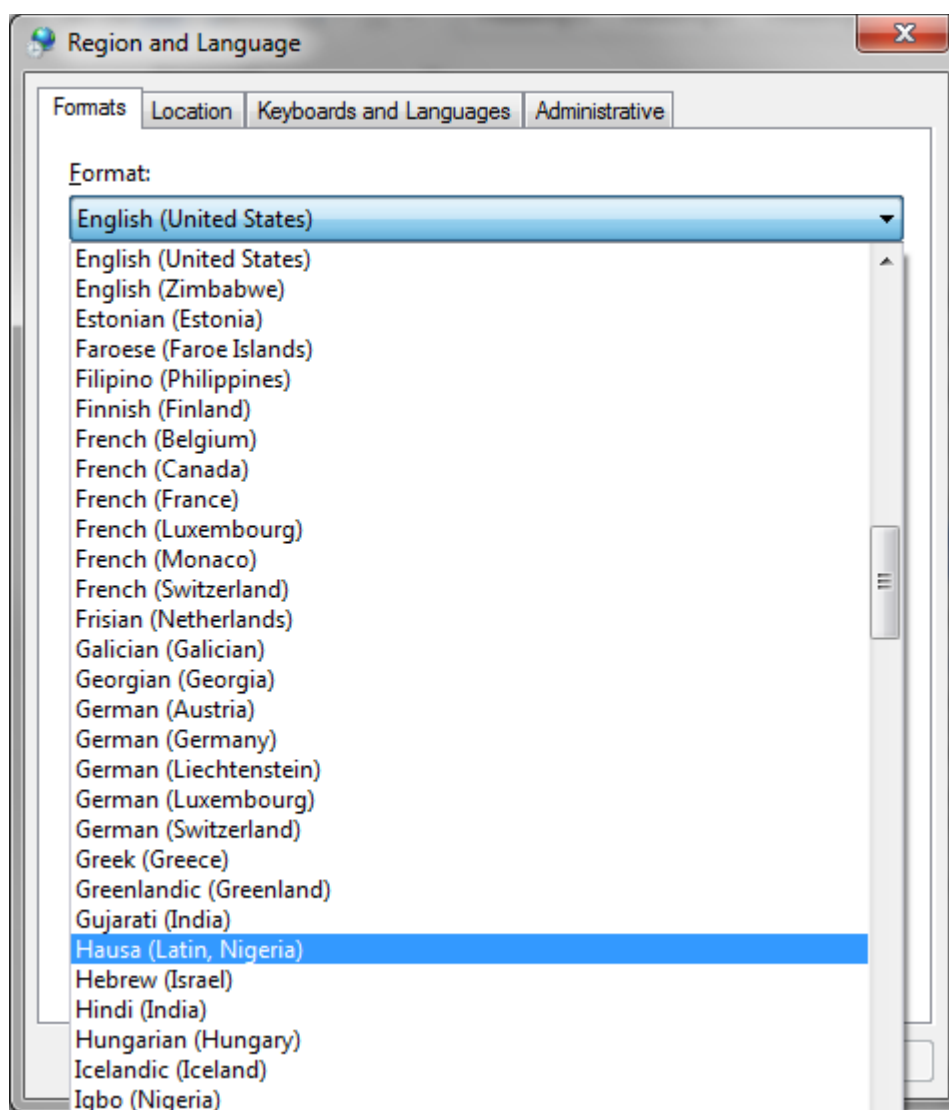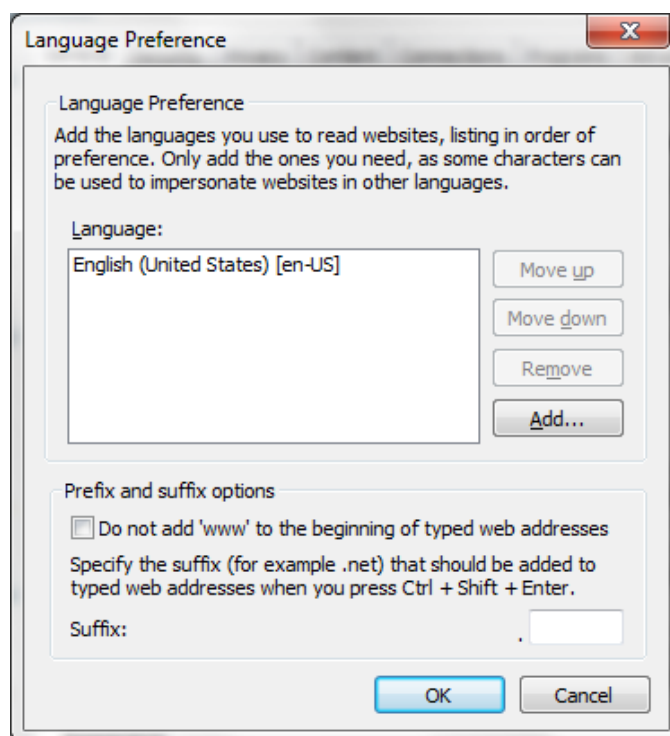

For information on Language Pack *Code* and its *Properties*, refer to Supported Language Pack Details section.
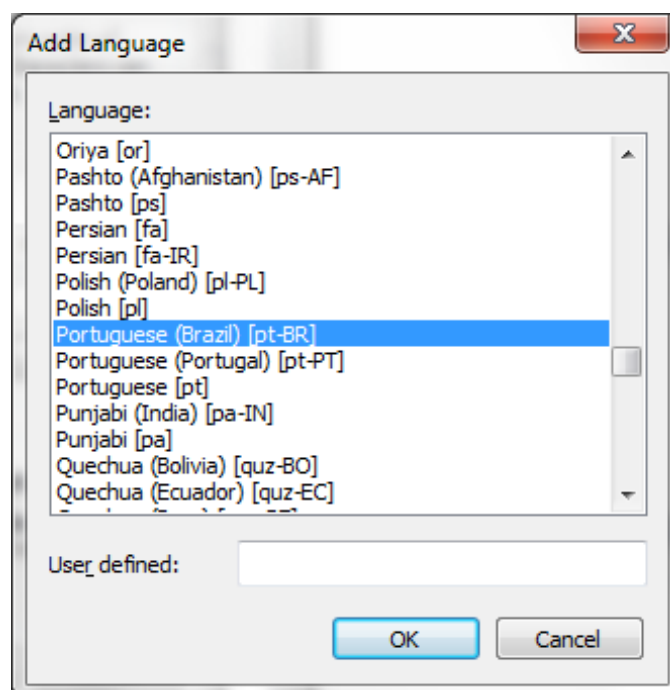
3. Click **Apply** and click **OK**.

To enable the settings in Browser (Internet Explorer), follow these steps:

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**.

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.

# 2   RPD configuration for language pack implementation

2.1   Prerequisite

In order to implement Language Pack successfully on RPD, it is required to have a Connection Pool that provides External Metadata Strings corresponding to the RPD of the product. In this illustration, the source is a physical database table by the name `fsi_bi_messages_repository_mls` with the relevant columns for the object id and object name as message_id and message_text respectively.
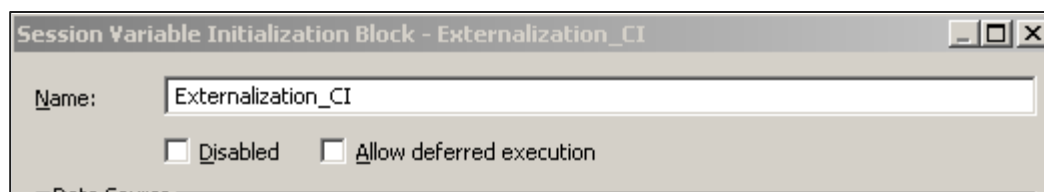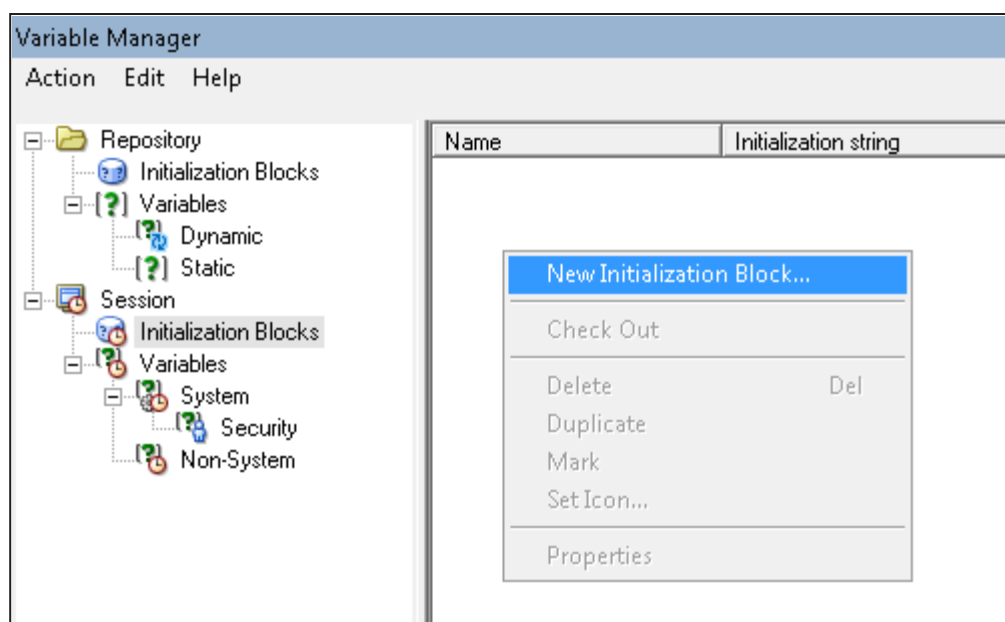
2.2   Steps for RPD configuration

To configure RPD, follow these steps:

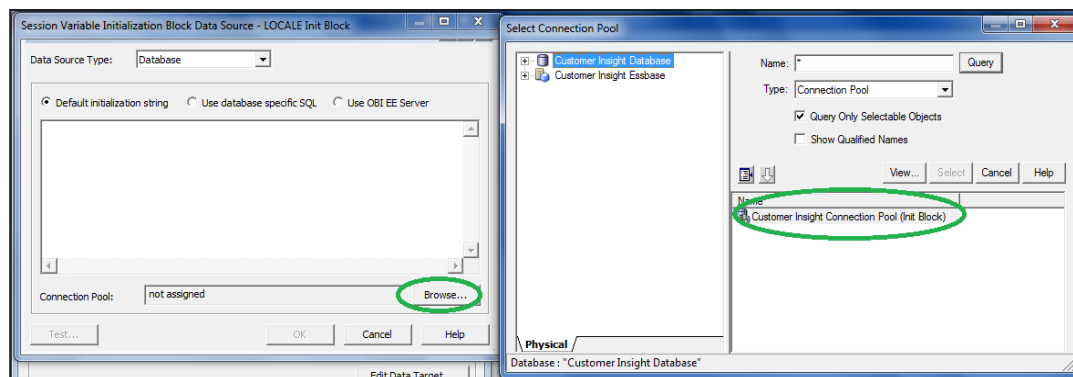1. Open the RPD and navigate to **Manage>Variables** section.
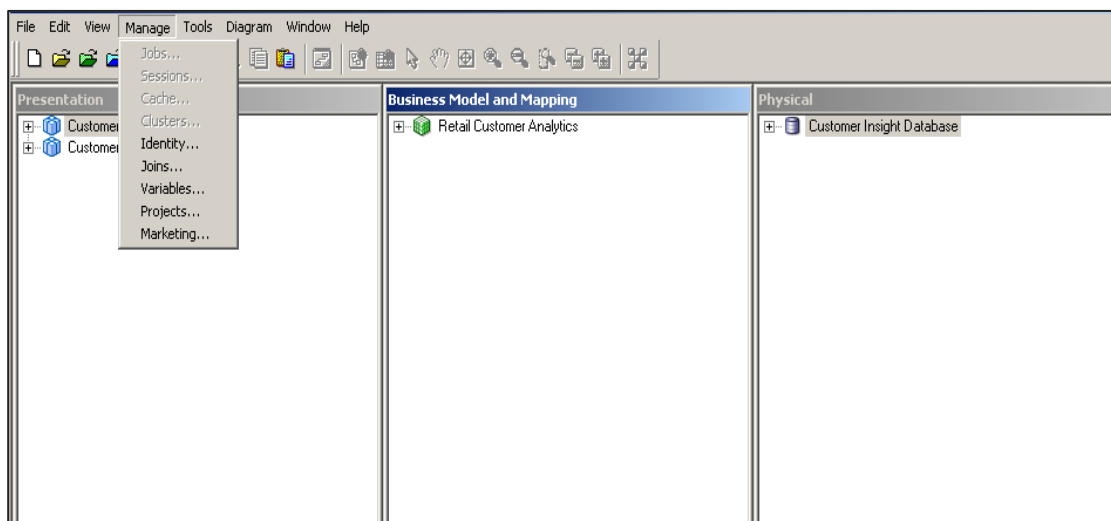
2. Create a new Session Initialization Block by the name `Externalization_CI.`

3. Add the connection pool (containing the External Metadata Strings) as a Data Source.

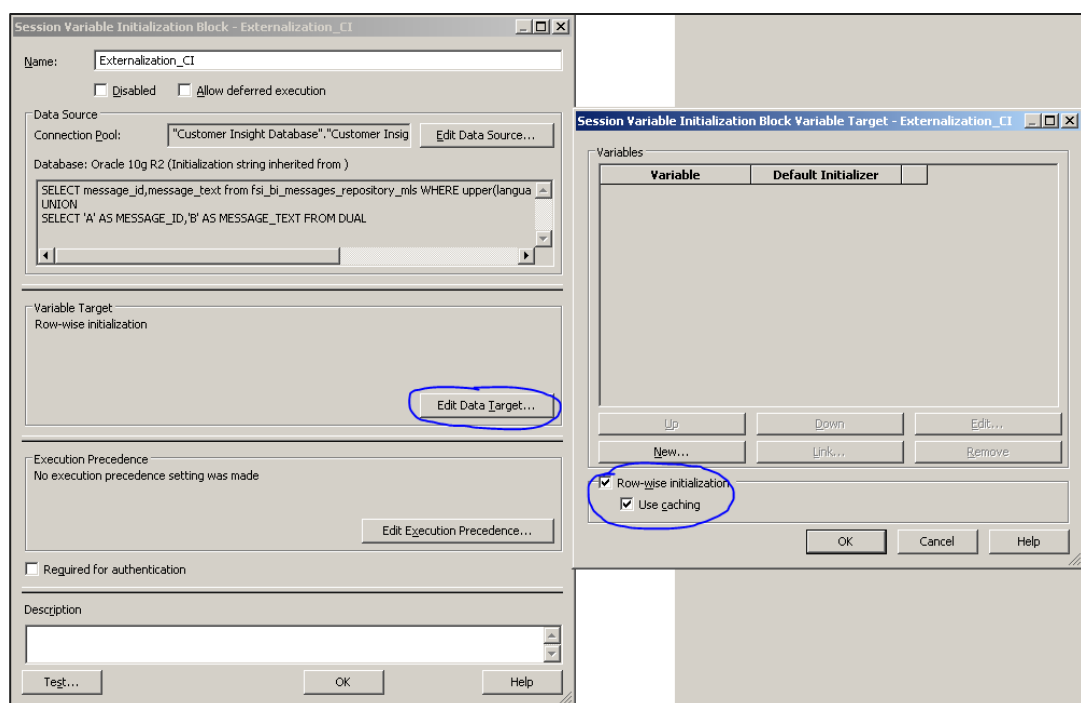Enter the following query as the default initialization string:

```
SELECT message_id,message_text from fsi_bi_messages_repository_mls
WHERE upper(language_id) = upper('VALUEOF(NQ_SESSION.WEBLANGUAGE)')
UNION
SELECT 'A' AS MESSAGE_ID,'B' AS MESSAGE_TEXT FROM DUAL
```
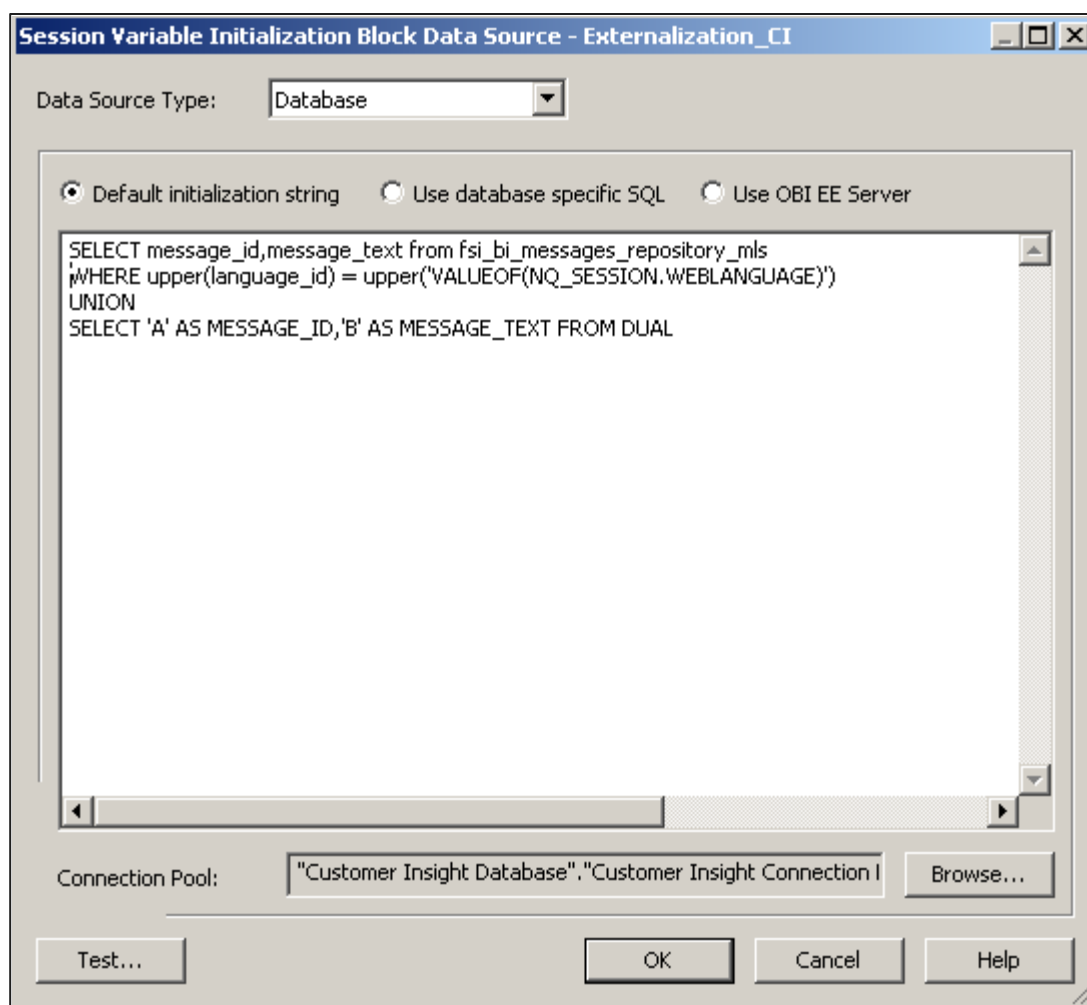
4. Edit **Data Target** and select **Row-wise Initialization**.

5. Right-click each Presentation Layer Subject Area and select **Externalize Display Names -> Generate Custom Name.**
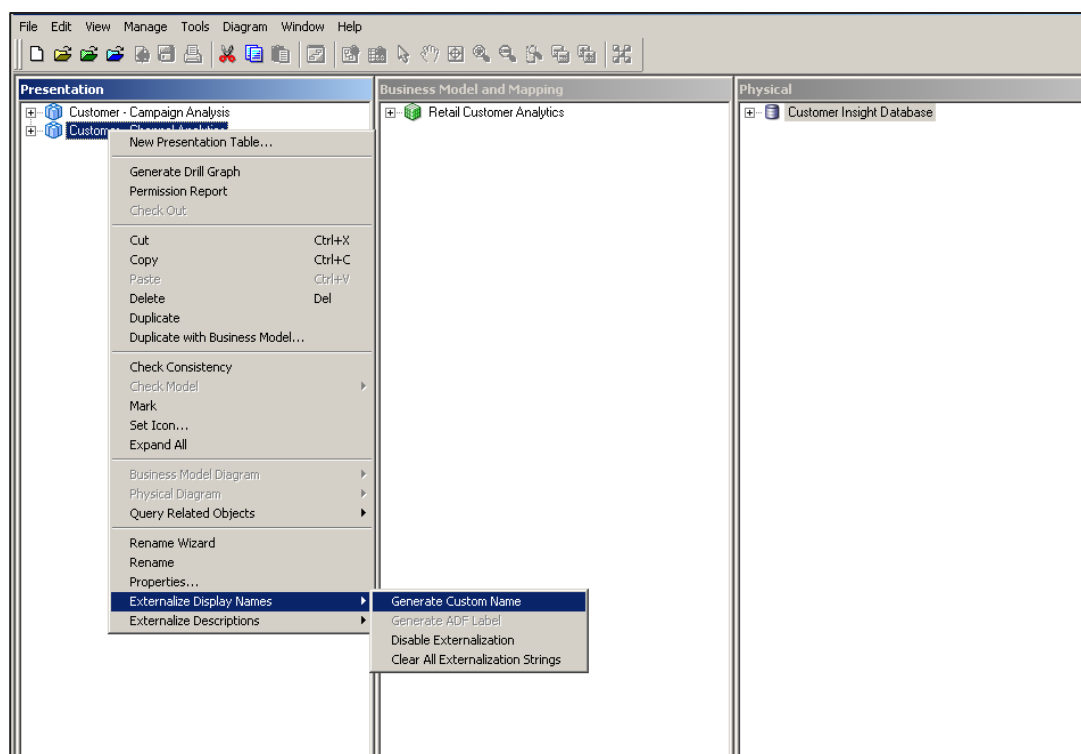
6. Check-in the changes and save RPD.

When we login to Analytics with a language which is supported in `fsi_bi_messages_repository_mls` table, we should be able to see all Presentation Layer Objects in the corresponding language.

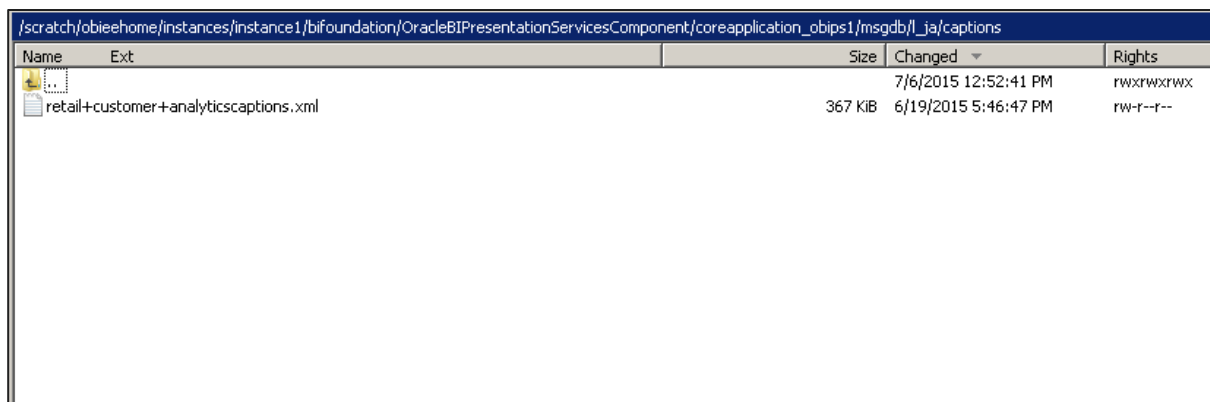## 2.3   Catalog configuration for language pack – OBIEE

2.3.1 Prerequisite

It is required to have the `captions.xml` for the catalog captions in all the desired languages prior to this process.

2.3.2 Steps for catalog configuration

Follow these steps for catalog configuration:

1. Navigate to the OBIEE folder:

    `$ORACLE_INSTANCE/bifoundation/OracleBIPresentationServicesCompon ent/$COMPONENT_NAME/msgdb/`

2. Create a folder structure in the following manner for each of the languages (for example, 'fr' stands for French)

    `/msgdb/l_fr/captions`

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

Name	Ext		Size	Changed ▼	Rights
🔙 ..				7/6/2015 12:52:41 PM	rwxrwxrwx
📄 retail+customer+analyticscaptions.xml			367 KiB	6/19/2015 5:46:47 PM	rw-r--r--

`/scratch/obieehome/instances/instance1/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/msgdb/l_ja/captions`

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

5. Verify that the captions are translated in the Dashboard Reports.

3 References

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

3.1 Supported Language Pack Details

The following table lists all the supported languages in OFS CA Application Pack Language Pack 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	French Canada	LOCALE_CANNDIAN FRENCH	French Canada	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

3.2 Configuration for GUI Mode Installation

To install OFS CA 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`

ORACLE

ORACLE®

OFS CA Application Pack
Language Pack Installation and Configuration Guide

Oracle Corporation
World Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Worldwide Inquiries:
Phone: +1.650.506.7000
Fax: +1.650.506.7200
www.oracle.com/us/industries/financial-services