

Oracle Financial Services Governance, Risk, and Compliance Application Pack

Language Pack Installation Guide

Version 8.0.0.0.0

Part No. E71020-01



DOCUMENT CONTROL

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Version 1.0	January 2016	Created document to capture OFS GRC 8.0.0.0.0 (Language Pack) Release patch update procedure.
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Executive Summary

This document includes the necessary instructions to install or uninstall the OFS GRC 8.0.0.0.0 (Language Pack) and perform the required post update configurations. You can request for the latest copy of this document by raising a service request on the support portal.

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1 OFS GRC Release 8.0.0.0.0 (Language Pack)

This document describes the necessary steps to install and configure 8.0.0.0.0 (Language Pack), and enable the UI of OFS GRC 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*.

This document also guides you through the necessary steps to remove the installed Language Packs which are not required.

1.1 Pre Installation Requirements

- OFS GRC 8.0.0.0.0 has to be successfully installed before proceeding with this installation.
- OFS GRC 8.0.0.2.0 ML has to be successfully installed. This can be downloaded from Support portal (<https://support.oracle.com/>) with Bug ID 22473625.
- If you have upgraded your OFSGRC environment from **7.2.x** to **7.3** versions, and have installed **8.0.0.0.0**, ensure that the current database instance has the following NLS parameter settings.
 - `NLS_CHARACTERSET = AL32UTF8`
 - `NLS_LENGTH_SEMANTICS = BYTE`
 - `NLS_NCHAR_CHARACTERSET = AL16UTF16`

If not, you need to create a new database instance with the above mentioned NLS settings and the existing schemas need to be moved to the new database instance before installing this Language Pack. For more details on migration of OFSAAI data, refer to [Migrate OFS AAI Schema across Database Instance](#) in references section.

1.2 How to Apply this Language Pack Release?

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

1. Login to <https://support.oracle.com/> and search for 22473638 under the Patches and Updates tab.
2. Download the 8.0.0.0.0 (Language Pack) archive file and copy it to your AAI server in **Binary** mode.
3. Shutdown all OFSAAI Services. For more information, refer to the *Start/Stop Infrastructure Services* section in [OFS AAI 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.

- a) 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.

- b) 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 8.0.0.0.0 (Language Pack) archive file using the following command:

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

For example, `unzip aix OFSGRC_8.0.0.0.0_LanguagePack.zip`

6. Navigate to *LanguagePack* 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:

- c) **./setup.sh GUI** - The GUI Mode of installation requires Hummingbird Exceed to be running to bring up the installation Wizard/Panel. In GUI mode of installation, you need to enter the Installation parameters through the wizard. For more information, refer [GUI Mode Installation](#) section.
- d) **./setup.sh SILENT** - The SILENT mode of installation does not require a simulator. You need to set the installation parameters in **installer.properties** file in *LanguagePack* folder 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:

- e) An Installation log is generated in the path `/LanguagePack/OFSAAILocale_Installation_time_stamp.log`, where *time_stamp* is of *mm.dd.yyyy hh:mi:ss* format. You can ignore ORA-00942 and ORA-00955 errors in log file. In case of any other errors, contact Oracle Support.
- f) You should not use process-interrupting commands like Ctrl+C or Ctrl+Z, which may terminate the process abruptly.

7. Post successful installation of 8.0.0.0.0 (Language Pack), you need to do the configurations which are explained in the [Post Installation Configuration](#) section.
8. Delete the existing EAR/WAR file available in `$FIC_HOME/ficweb` folder.
9. 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 [OFSAAI 8.0.0.0.0 Installation and Configuration Guide](#) available at OTN library.
10. Once the 8.0.0.0.0 (Language Pack) 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 [OFSAAI 8.0.0.0.0 Installation and Configuration Guide](#) available at OTN library.

1.2.1 GUI Mode Installation

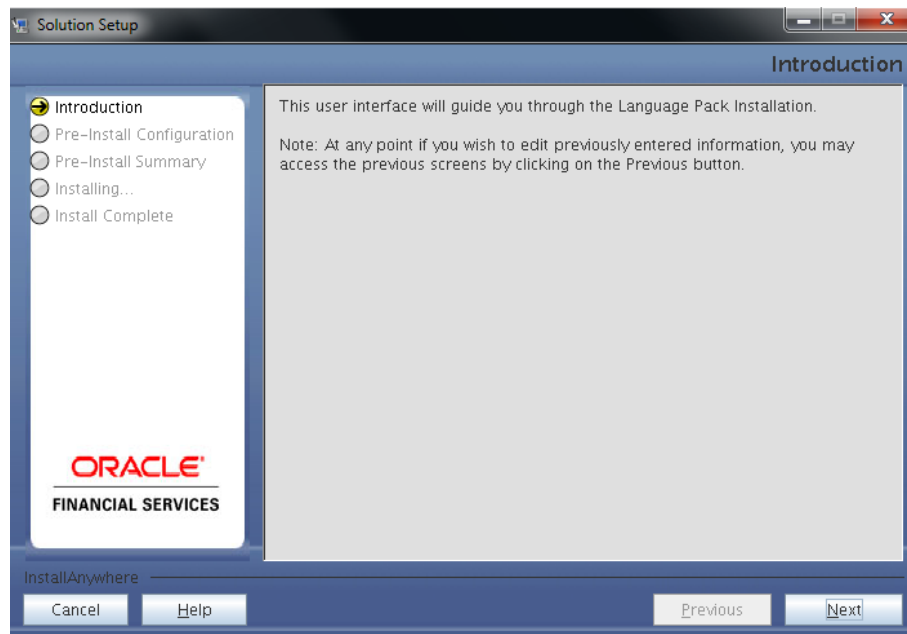
When you are installing 8.0.0.0.0 (Language Pack) in GUI mode, ensure the following:

1. The GUI Mode of installation requires Hummingbird Exceed to be running to bring up the installation Wizard/ Panel. Navigate to the directory where `setup.sh` has been copied and set the Display Environment Variable to point to the client on which Hummingbird Exceed running. For more information, refer to the *Report Display Configuration* section in [OFSAAI 8.0.0.0.0 Installation and Configuration Guide](#) available at OTN library.
2. Executing `setup.sh` without any argument invokes the Language Pack installation in SILENT mode by default.
3. GUI mode does not work for WEB tier and you will need to invoke the installer in Silent mode as explained in next section.

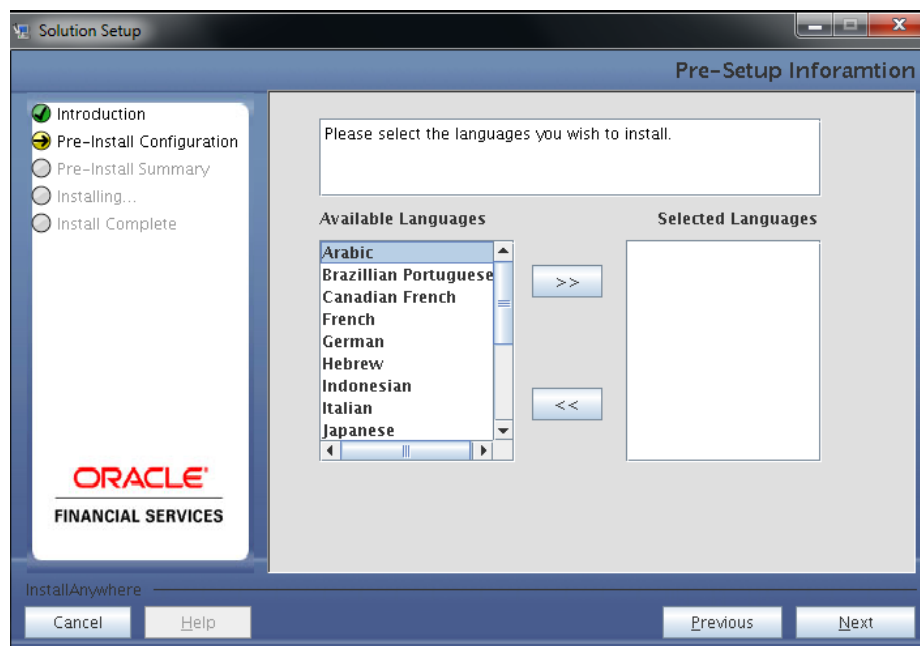
To install 8.0.0.0.0 (Language Pack) in GUI mode:

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

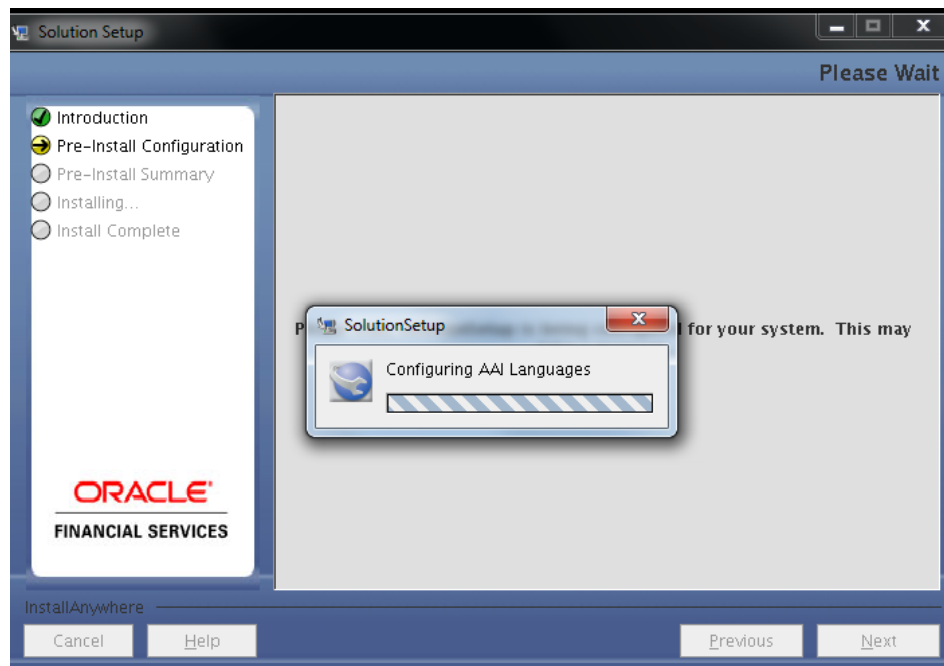
After initialization, the *Introduction* screen is displayed.



2. Click **Next**.

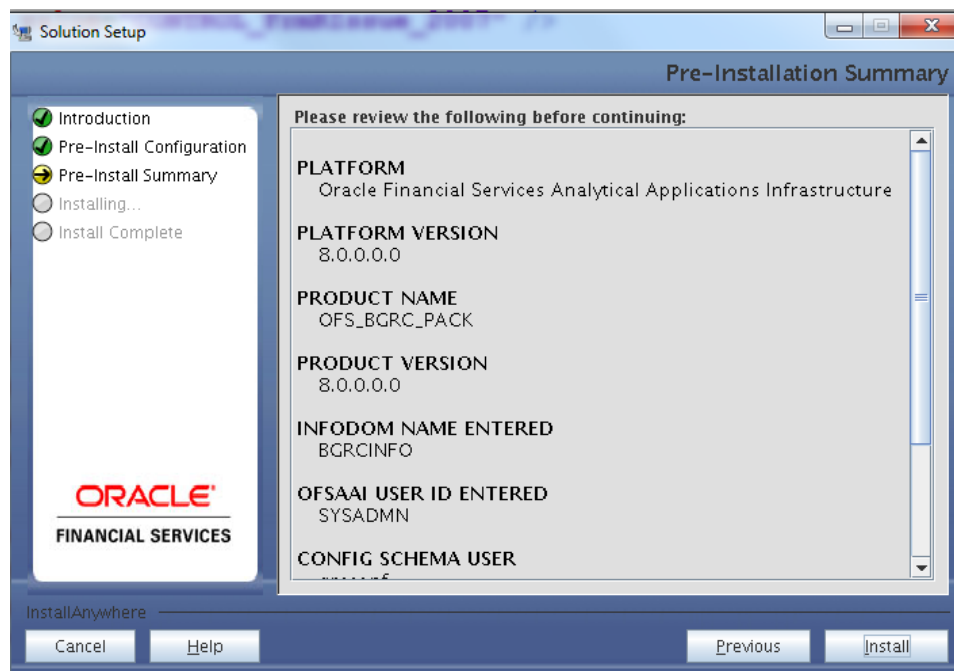


3. Select the languages you want to install and click **Next**. For information on Language Pack Code and its *Properties*, refer to the [Supported Language Pack Details](#) section.

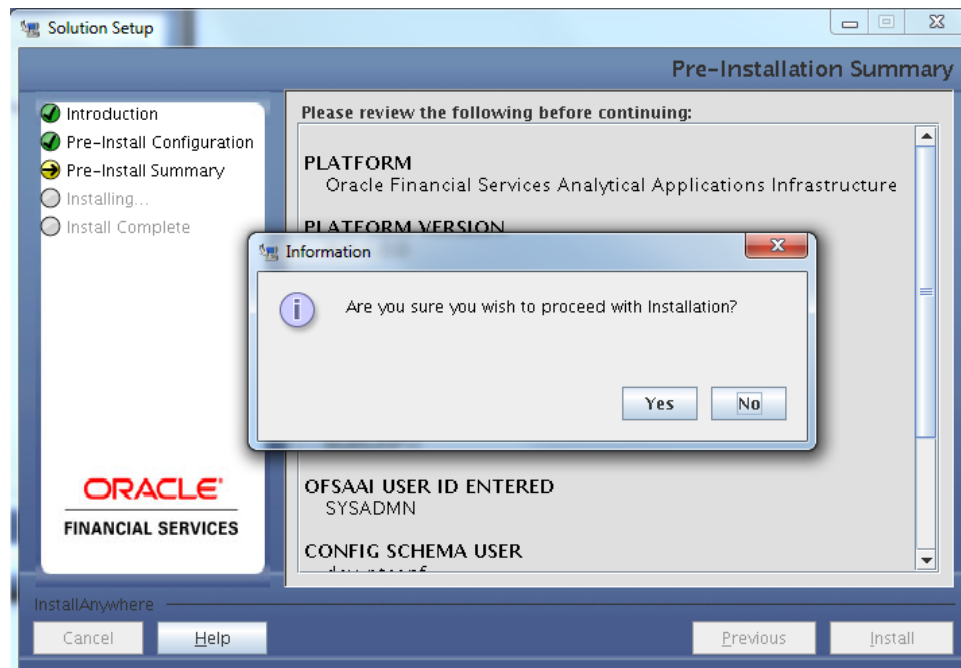


The selected Languages are configured.

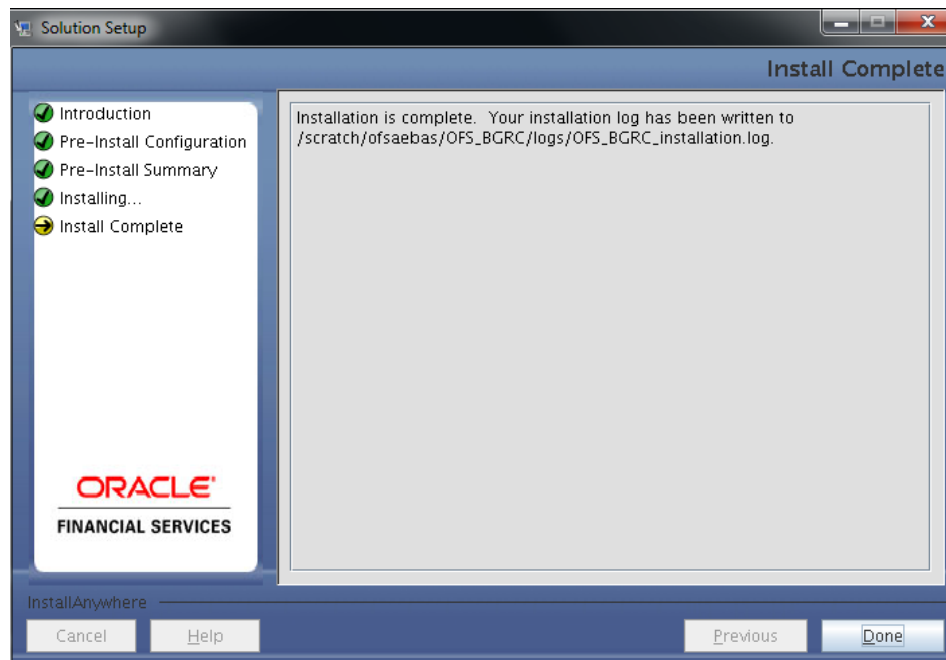
4. Click **Install**.



A confirmation message is displayed, click **Yes** to start the installation process.



5. After the installation is complete, the *Installation Complete* window is displayed.



6. Click **Done**.

1.2.2 Silent Mode Installation

To install 8.0.0.0.0 (Language Pack) in Silent mode, follow these steps:

1. Navigate to `OFS_/OFS_BGRC/conf` folder, rename `Silent.template` file as `Silent.props`.
2. Modify the `Silent.props` file present in the *LanguagePack* folder to specify the required Language Pack(s) to be installed.
 - 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:

- `ar_EG=1` to install ArabicLanguage Pack.
- `es_ES=1` to install Spanish Language Pack.
- `ko_KR=0` to skip the installation of Korean Language Pack.

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

3. Navigate to `/OFS_BGRC/bin` folder and Launch the installer in SILENT mode by executing the `setup.sh` file:

```
./ setup.sh SILENT
```

NOTE: Executing `setup.sh` without any argument will invoke the Language Pack in SILENT mode.

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 Enable UTF-8 Encoding in Tomcat Server

If you have configured Tomcat as your web application server, you need to set the **URIEncoding** attribute on the `<Connector>` element in `server.xml` to UTF-8 as indicated in the following example.

Example:

```
For HTTP: <Connector port="8899" protocol="HTTP/1.1"
connectionTimeout="20000" redirectPort="8443" URIEncoding="UTF-8"/>

For HTTPS: <Connector port="8443" protocol="HTTP/1.1"
SSLEnabled="true" maxThreads="150" scheme="https" secure="true"
clientAuth="false" sslProtocol="TLS" URIEncoding="UTF-8"/>
```

1.3.2 Set “NLS_LANG” Parameter Property

The *NLS_LANG* parameter has three components namely *language*, *territory*, and *character set*. You need to set the *NLS_LANG* parameter property in user *.profile* file on the OFSAAI DB tier to UTF-8 character set.

For example:

```
NLS_LANG=AMERICAN_AMERICA.UTF8
export NLS_LANG
```

1.3.3 Run MLS Utility

This section is applicable if you are installing this language pack on an OFSAAI version later than 7.3.2.1.0.

1. Execute the **MLS Utility** in the OFSAAI APP tier.
2. Navigate to `$FIC_HOME/MLS_ofsaai` directory.
3. Execute the following command:
`./MLS_ofsaai.sh`

For more information, refer *Multiple Language Support (MLS) Utility* section in [OFSAAI 8.0.0.0.0 Administration Guide](#).

4. Specify the Configuration Schema User Name, Password, and DB Name to complete the execution. This is to alter the Messages Tables structure and insert all the latest messages in the Messages table.

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 OFSAAI language pack is available.

To view the techniques in all locales, follow these steps:

1. Navigate to `AAAI_HOME/MLS_ofsaai` directory.
2. Execute the following command:

```
./MLS_ofsaai.sh MLS
```

1.3.4 Copying TTF Files

To display GRC module specific Profile report in respecting language, follow these steps:

1. Navigate to `$FIC_HOME/OFS_BGRC_FonTS` folder. Copy the contents of this folder into `$JAVA_HOME/jre/lib/fonts`.

1.3.5 Canadian French Locale 1-off

1. Apply the 1-off with following bug ID if Canadian French locale is selected for installation.

Bug 21845376 - In Canadian French language not able to create insurance policy record

1.3.6 Dashboard Configuration for Language Pack

1.3.6.1 Pre-requisite:

It is required to have the `captions.xml` for the catalog captions in all the desired languages prior to this process. After successful installation of GRC Language Pack, these files would be available under `$FIC_HOME/scripts_OFS_BGRC` path.

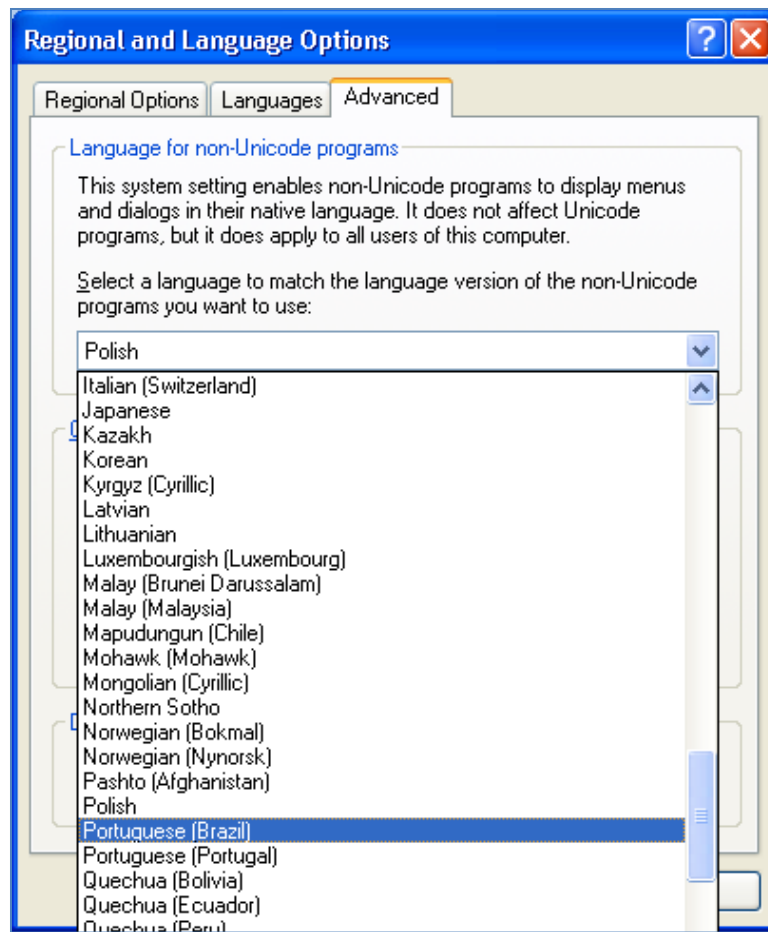
1.3.6.2 Following are the steps:

1. Open the Catalog Manager and shutdown all BI services.
2. Now navigate to the OBIEE folder :
`$ORACLE_INSTANCE/bifoundation/OracleBIPresentationServicesComponent/$COMPONENT_NAME/msgdb/`
3. Create a folder structure in the following manner for each of the languages (for example, 'fr' stands for French): `/msgdb/l_fr/captions`
4. Copy the `captions.xml` for corresponding language, from the path mentioned in pre-requisite, in the **captions** folder as mentioned in the above folder structure.
5. Restart Presentation Services in Enterprises Manager and login to analytics by selecting the language as French.
6. Verify that the captions are translated in the Dashboard Reports.

1.4 User Desktop Settings

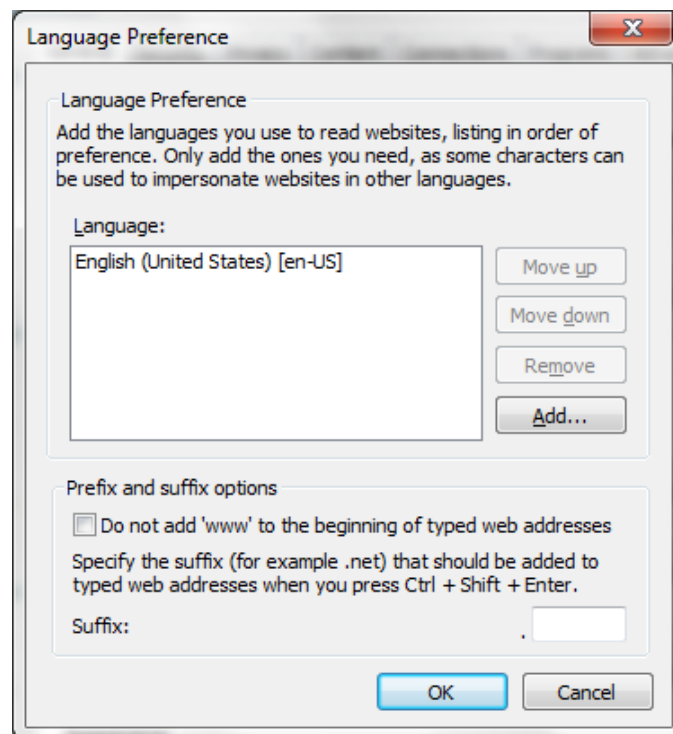
Post successful installation of Language Pack, you need to set the Operating System and Browser on every User Desktop, prior accessing the OFSAAI application.

1. To enable the settings in Operating System level, follow these steps:
 - a) Navigate to **Start** and click **Control Panel**.
 - b) Select **Regional and Language Options**.
 - c) Under the **Advanced** tab, choose the desired language from the drop-down list for **Language for non-Unicode programs**.

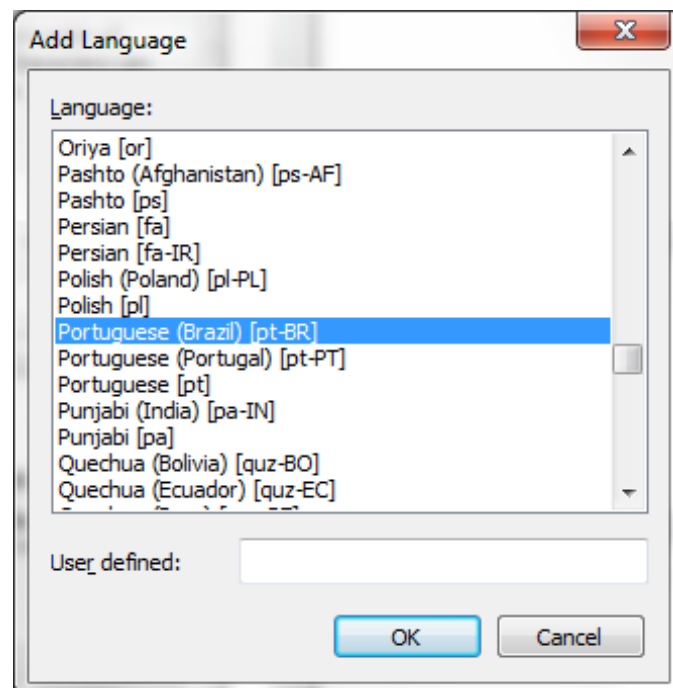


For more information on Language Pack Code and its *Properties*, refer to [Supported Language Pack Details](#) section.

- d) Click **Apply** and click **OK**.
2. To enable the settings in Browser (Internet Explorer), follow these steps:
 - a) Navigate to **Tools and Internet Options**.
 - b) Under the **General** tab, click **Languages**. The *Language Preference* window is displayed.



- c) Click **Add**. The *Add Language* window is displayed.



- d) 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**.

- e) Click **OK** in the *Language Preference* window and again click **OK** in *Internet Options* window to save the settings and exit.
3. Restart the user machine for the above changes to take effect.

1.5 Language Pack Uninstallation

To uninstall 8.0.0.0.0 (Language Pack), follow these steps:

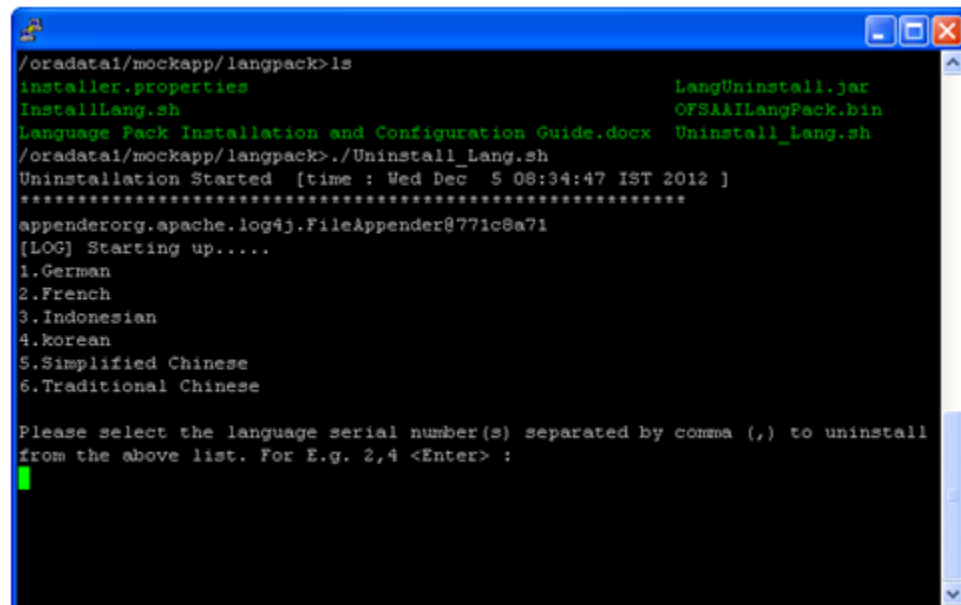
1. Navigate to the *LanguagePack* folder and execute the command:

```
./Uninstall_Lang.sh.
```

In case of a multi-tier deployment, the order of Language Pack uninstallation should be as follows:

- WEB tier
 - APP tier
2. At the prompt, enter the language serial number displayed on the console separated by comma(,) and press **Enter**.

The displayed list indicates the installed Language Pack(s) in a sequence.



```

/oradata1/mockapp/langpack>ls
installer.properties      LangUninstall.jar
InstallLang.sh            OFSAAllLangPack.bin
Language Pack Installation and Configuration Guide.docx  Uninstall_Lang.sh
/oradata1/mockapp/langpack>./Uninstall_Lang.sh
Uninstallation Started [time : Wed Dec 5 08:34:47 IST 2012 ]
*****
appenderorg.apache.log4j.FileAppender8771c8a71
[LOG] Starting up.....
1.German
2.French
3.Indonesian
4.korean
5.Simplified Chinese
6.Traditional Chinese

Please select the language serial number(s) separated by comma (,) to uninstall
from the above list. For E.g. 2,4 <Enter> :

```

For example:

- If you want to uninstall *German* and *French* language Packs, enter the serial numbers as **1, 2**, and press **Enter**.

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

On successful uninstallation, a confirmation message is displayed.

2 References

This section of the document consists of information which is common to all 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 OFSAI 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 and 1
2	Traditional Chinese	LOCALE_CHINESE_TRAD	Chinese (Taiwan)	zh_TW	0 and 1
3	French	LOCALE_FRENCH	French (France)	fr_FR	0 and 1
4	German	LOCALE_GERMAN	German (Germany)	de_DE	0 and 1
5	Indonesian	LOCALE_INDONESIAN	Indonesian	id_ID	0 and 1
6	Italian	LOCALE_ITALIAN	Italian (Italy)	it_IT	0 and 1
7	Japanese	LOCALE_JAPANESE	Japanese	ja_JP	0 and 1
8	Korean	LOCALE_KOREAN	Korean	ko_KR	0 and 1
9	Portuguese	LOCALE_PORTUGUESE	Portuguese (Brazil)	pt_BR	0 and 1
10	Russian	LOCALE_RUSSIAN	Russian	ru_RU	0 and 1
11	Spanish	LOCALE_SPANISH	Spanish (Spain)	es_ES	0 and 1
12	Thai	LOCALE_THAI	Thai	th_TH	0 and 1
13	Vietnamese	LOCALE_VIETNAMESE	Vietnamese	vi_VN	0 and 1
14	French Canada				
15	Arabic				
16	Hebrew				
17	Turkish				

2.2 Migrate OFSAAI Schema across Database Instance

To migrate OFSAAI schemas across database instance, you need to Export / Import database user(s), follow these steps:

1. Connect to target database instance with **System** user and create database users with the same *Name* and *Password* as in the existing database instance.

For example, in your setup, if you have two information domains, then create one config and two atomic (information domain) schemas as in the existing database instance.

2. Grant the following permissions to the newly created database users:

```
grant create SESSION to <DB_USER>;  
grant create PROCEDURE to <DB_USER>;  
grant create SEQUENCE to <DB_USER>;  
grant create TABLE to <DB_USER>;  
grant create TRIGGER to <DB_USER>;  
grant create VIEW to <DB_USER>;  
grant create MATERIALIZED VIEW to <DB_USER>;  
grant olap_user to <DB_USER>;  
grant select on SYS.V_$PARAMETER to <DB_USER>;
```

NOTE: You need to replace the <DB_USER> with the newly created database user.

3. To export the source Database User, connect to the machine where OFSAAI database tier is installed using CMD / Putty. Execute the following Export (EXP) command.

You can execute the following commands from your desktop if you have Oracle Client installed.

```
exp sourceDBName/Password@SID FILE="<file name>.dmp" LOG="<file  
name>.log"
```

NOTE: The above command creates a dump file with the specified file name in the directory from where the command is executed.

4. Import the source database user dump, by executing the following Import (IMP) command from the same directory.

```
imp sysDBName/Password@SID FILE=<file name>.dmp FROMUSER= sourceDBName  
TOUSER=targetDBName IGNORE=N LOG=<file name>.log
```

5. Post migration, you need to ensure that the IP Address/Port/SID are updated as per the newly created database instance. Refer to the following section for more details.

NOTE: The above steps have to be followed for Config and all the Atomic (Information Domain) schemas.

2.2.1.1 Update IP Address/Port/SID

To update **IP Address/Port/SID** post migrating to new database instance, follow these steps:

1. Update the change of **SID/IP Address/Port** in Database URL in "DEFAULT_CONNECTION_URL" parameter of `$FIC_HOME/conf/DynamicServices.xml` in OFSAAI APP, DB, and WEB tiers and `$FIC_WEB_HOME/webroot/conf/DynamicServices.xml` in OFSAAI WEB tier installations.
2. Update the change of SID for \$ORACLE_SID in `.profile` of OFSAAI Database tier.
3. Update **IP Address/Port** for \$ORACLE_URL (if Database is on RAC) and \$DB_DETAIL in `.profile` of OFSAAI Database tier.

NOTE: Perform this step only in case of Multi Tier DB tier installation.

4. Update the Database URL in **JDBCCONNSTR** column for all the records of `DB_MASTER` table in the Config schema.
5. Update the **SID/IP Address/Port** in `V_DATABASE_NAME/V_SRV_IP_ADDR/V_SRV_PORT` columns of "ETLSOURCEDETAILS" table in Config schema for all the Data Integrator data sources for which there is a change in the values.
6. Update the **TNS Entry** in the machine where OFSAAI DB tier is installed.
7. Update / Recreate the *JDBC Connection Pool / Data Sources* on the Web Application Server (WebSphere / WebLogic) accordingly from the respective Consoles.
8. If the web application server is Tomcat, update the URL attribute of Resource tag in `$CATALINA_HOME/conf/server.xml` with the new **IP Address/Port/SID** for all the JDBC Connections.



OFSGRG

Language Pack Installation and Configuration Guide

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