

Oracle Financial Services
International Financial
Reporting Standards
Application Pack

Installation Guide

Version 8.0.4.0.0

Part Number E74325-02

ORACLE[®]
Financial Services

DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
1.0	Created: February 2017	Captured 8.0.4.0.0 Release enhancement updates.
2.0	Updated: March 2017	Included suggestions from the OFSAAAI team.
3.0	Updated: April 2017	Included Solaris OS related updates.
4.0	Modified: April 2017	Added details of consolidated one-off patch 25777667.
5.0	Modified: May 2017	Added details of Data Model one-off patch 25595785.
6.0	Modified: November 2017	Added details of one-off patch 27027637 which facilitate support of multiple legal entities when the run is triggered/scheduled from the command line.
Created by: Aneesh Kurian	Reviewed by: IFRS QA/Dev	Approved by: IFRS QA Managers

Executive Summary

This document includes the necessary instructions to apply 8.0.4.0.0 Minor Release for Oracle Financial Services International Financial Reporting Standards Application Pack and perform the required post-install configurations. You can find the latest copy of this document in the [OHC Documentation Library](#).

TABLE OF CONTENTS

- PREFACE 4**
 - Audience4
 - Prerequisites for the Audience..... 4
 - How this Guide is Organized4
 - Related Documents5
 - Conventions and Acronyms.....5

- 1 OFS IFRS PACK RELEASE 8.0.4.0.0..... 7**
 - 1.1 Supported Software Versions7
 - 1.2 Pre Installation Requirements7
 - 1.3 How to Apply This Minor Release?9
 - 1.3.1 Installing OFS IFRS 9
 - 1.4 Post Install Configurations13
 - 1.4.1 Data Transformation Resave..... 13
 - 1.4.2 Update Constraints Utility 14
 - 1.4.3 Sandbox Resave Utility 19
 - 1.4.4 Update ETLRepository.xml File..... 20
 - 1.4.5 Update the Properties of ifrs-eir.ini File..... 21
 - 1.4.6 Creating Global Variables for OBIEE..... 22
 - 1.4.7 Enable Multiple ECL Run IDs in ECL Dashboard 24
 - 1.4.8 Configurations for Verifying and Executing PD Model 25
 - 1.4.9 Additional Configurations 26

- APPENDIX A..... 35**
 - Frequently Asked Questions.....35

Preface

This document provides step-by-step instructions to install the Oracle Financial Services International Financial Reporting Standards Application Pack (OFS IFRS) 8.0.4.0.0 Minor Release.

This chapter discusses the following topics:

- [Audience](#)
- [How this Guide is Organized](#)
- [Recommended Environment](#)
- [Related Documents](#)
- [Conventions and Acronyms](#)

Audience

The OFS IFRS pack Installation and Configuration Guide is intended for administrators and implementation consultants who are responsible for installing and maintaining the application pack components.

The document assumes you have experience in installing Enterprise components. Basic knowledge about the OFS IFRS pack components, OFSAA Architecture, UNIX commands, Database concepts, and Web Server/ Web Application Server is recommended.

Prerequisites for the Audience

The document assumes that you have experience in installing Enterprise components and basic knowledge about the following is recommended.

The following are the expected preparations from the administrator before starting the actual installation:

- Oracle Financial Services Advanced Analytical Applications Infrastructure pack components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web Server/Web Application Server

How this Guide is Organized

The OFS IFRS pack Installation and Configuration Guide includes the following topic:

- [OFS IFRS Release 8.0.4.0.0](#)
- [Appendix A](#)

Related Documents

For more information, refer to the OFS IFRS Pack 8.0.4.0.0 documents available in [OHC Documentation Library](#).

- *Oracle Financial Services International Financial Reporting Standards Application Pack Installation Guide 8.0.2.0.0*
- *Oracle Financial Services Loan Loss Forecasting and Provisioning User Guide 8.0.4.0.0*
- *Oracle Financial Services Hedge Management User Guide 8.0.4.0.0*

Conventions and Acronyms

Conventions	Description
Actions are indicated in Bold .	
Command or query is indicated in <code>Courier New font</code> .	
AIX	Advanced Interactive eXecutive
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
OFS AAAI	Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack
RHEL	Red Hat Enterprise Linux
ML	Maintenance Level
Atomic Schema	Database schema where the application data model is uploaded.
Config Schema	Database schema which contains setup related configurations and metadata.
DEFQ	Data Entry Forms and Queries
DML	Data Manipulation Language
EAR	Enterprise Archive
EJB	Enterprise JavaBean
ERM	Enterprise Resource Management
FTP	File Transfer Protocol
GUI	Graphical User Interface

Conventions	Description
HTTPS	Hypertext Transfer Protocol Secure
J2C	J2EE Connector
J2EE	Java 2 Enterprise Edition
JDBC	Java Database Connectivity
JDK	Java Development Kit
JNDI	Java Naming and Directory Interface
JRE	Java Runtime Environment
JVM	Java Virtual Machine
OHC	Oracle Help Center

1 OFS IFRS Pack Release 8.0.4.0.0

This Minor Release of Oracle Financial Services International Financial Reporting Standards Application Pack (OFS IFRS) is cumulative and includes all enhancements and bug fixes done since the OFS IFRS Application Pack v8.0.2.0.0 GA release. For more information, refer to the *Oracle Financial Services IFRS Release 8.0.2.0.0 Installation Guide* in [OHC Documentation Library](#).

1.1 Supported Software Versions

You can refer to the [OFSAA Technology Matrix](#) 8.0.4.0.0 in OHC Documentation Library to know more about the software versions that are supported by this release of OFS IFRS.

1.2 Pre Installation Requirements

- You should have installed OFS IFRS Application Pack version 8.0.2.0.0 (using Full Installer).

NOTE: You can refer to [Technology Matrix](#) for Hardware and Software Requirements.

- Bug 23251358-Object Registration is failing with duplicate Constraint Names is regularized in this OFS AAI application pack 8.0.4.0.0. This is bundled as a utility - Update Constraints Utility and is executed as part of the 8.0.4.0.0 patch installation. You must perform the following steps and apply the change before you proceed further with the patch upgrade.

NOTE: This step is not required if the existing platform version is 8.0.3.x.x.

- It is advised to take a backup of the atomic schema for each Information Domain in the OFSAA instance before applying the patch.
 - Execution of the utility is a memory intense process as the entire steps involved for performing a full model upload is carried out as part of the utility for each of the Infodom. The OFSAA installation server needs to have twice the allocated memory, which is assigned using parameter X_ARGS_APPS.
 - The utility creates three temporary tables- REV_TAB_CONSTRAINTS_U, REV_TAB_REF_CONSTRAINTS_U, and REV_TAB_CONSTRAINT_COLUMNS_U. If the atomic schema has any of these tables already created for a different purpose, take a backup and drop/ rename.
 - As in the model upload process, for the applications that follow logical model upload like OFS_AML in BD pack, the utility does not play any role, since the persistence of the model is outside the purview of the utility. Any similar cases, which involve only logical model upload should be considered and taken care of by the user.
 - For more information about the utility execution and log files information, see the [Update Constraints Utility](#) section.
-

- To install this release on Oracle Solaris OS, refer to the following list for version-specific information:
 - **Solaris 11** – Upgrade to Oracle Solaris 11.3 with SRU09 or higher. See https://docs.oracle.com/cd/E60778_01/html/E60743/gouaw.html#scrolltoc upgrade to SRU09 if you have a lower SRU version. Additionally, install the required runtime libraries. For more information, see [Installing Only the Runtime Libraries on Oracle Solaris 11](#).
 - **Solaris 10** – Install the required OS patches. For more information, see [Installing the Required Oracle Solaris 10 Patches](#). Additionally, install the required runtime libraries. For more information, see [Installing Only the Runtime Libraries on Oracle Solaris 10](#).

NOTE: In an OFSAA instance where multiple OFSAA application packs have been installed/ deployed, it is mandatory to upgrade all OFSAA application packs to 8.0.4.0.0 release. You should start the upgrade of the OFS IFRS pack, only after confirming that all of the application packs in your OFSAA instance are available for upgrade to 8.0.4.0.0 version. For information on the availability of the required OFSAA Application Packs, see [2246606.1](#).

- The PATH variable in the **.profile** file should be set to include the Java Runtime Environment absolute path. The path should include the java version (java 6, java 7, or java 8) based on the configuration.
- OFS IFRS Application pack v8.0.4.0.0 installer download contains only the ERwin XML file that is required for uploading the model. This file is sufficient to install the v8.0.4.0.0 Application pack. However, this XML file cannot be opened in the ERwin Data modeler tool and hence cannot be used for any data model customization. ERwin file is delivered as a patch and needs to be downloaded separately. This ERwin file should be used for any customization of the data model. To download the Data Model Erwin file, log in to <https://support.oracle.com/> and search for **25595785** under the *Patches & Updates* tab. If customization to the data model has been done in the environment being upgraded, then before uploading the same, customizations need to be applied again in the merged data model.
- If you are using Linux 7, ensure that the following patch is applied from the Patches & Updates tab of <https://support.oracle.com/>, before you proceed with the installation.
 - **22930093**
- The values of sources (**ETL_APP_1_NAME**, **ETL_SRC_1_1_NAME**, and **ETL_SRC_1_2_NAME**) in **silent.props** file should be the same in both OFS ALM 8.0.2.0.0 and OFS IFRS 8.0.2.0.0.

- If no customization is required to the released model, then copy the file **OFS_IFRS_Datamodel.xml** present in the aforementioned patch to the location <<Extracted Installer Path>>/OFS_IFRS_PACK/OFS_IFRS/DataModel.
- If customization is required, then customize/merge the Erwin file as per the requirement, Save as an XML file in **AllFusion Repository Format**. Copy the generated XML file to the location <<Extracted Installer Path>>/OFS_IFRS_PACK/OFS_IFRS/DataModel.
- Connect to the database as a user with DBA privileges. Execute the following grant statement:

```
GRANT CREATE TYPE TO [<ATOMIC SCHEMA>];
```

NOTE: This grant should be executed for all existing Atomic Schemas.

- Download the one-off patch **25343603** from [My Oracle Support](#), if OFSAA is deployed on Oracle WebLogic Server version 12.2.x.
- Download the consolidated one-off patch **25487272** from [My Oracle Support](#).
- Download the consolidated one-off patch **25777667** from [My Oracle Support](#).

NOTE: Ensure that you backup the FSI_CURRENCIES table before the installation and restore after installation is complete.

1.3 How to Apply This Minor Release?

1.3.1 Installing OFS IFRS

Refer to the following instructions to download, extract, install, and configure this Minor Release.

1. Login to <https://support.oracle.com/> and search for **25433981** under the *Patches & Updates* tab.
2. Download the OFS IFRS Application Pack v8.0.4.0.0 archive file and copy it to your OFSAA server in **Binary** mode.

NOTE: The archive files are different for every operating system like AIX, Solaris, and RHEL/Oracle Linux.

3. Log in to the OFSAA Server.
4. Shut down all the OFSAAI Services. For more information, refer to the *Start/Stop Infrastructure Services* section in *Oracle Financial Services IFRS Release 8.0.0.0.0 Installation Guide* in [OHC Documentation Library](#).
5. Assign WRITE permission to the files/folders such as common scripts, EXEWebService, ficapp, ficweb, and ficdb in the **\$FIC_HOME** folder by executing the command:

```
chmod -R 750 $FIC_HOME
```

6. If you have Unzip utility, skip to the next step. Download the Unzip utility (OS-specific) 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 OFS IFRS 8.0.4.0.0 installer.

- Uncompress the unzip installer file using the command:

```
uncompress <unzip utility filename>
```

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

- Give EXECUTE permission to the file using the command:

```
chmod 751 OFS_IFRS_80400_<OperatingSystem>.zip.
```

7. Extract the contents of the 8.0.4.0.0 archive file using the command:

```
unzip_<os> -a <name of the file to be unzipped>
```

The above **-an** option is mandatory.

8. Give EXECUTE permission to the archive file. Navigate to the path *OFS_IFRS_80400_<OperatingSystem>.zip* and execute the command:

```
chmod 750 OFSAAIUpdate.sh
```

9. Configure the **Param.conf** file present under *OFS_IFRS_PACK/OFS_IFRS/conf* folder, as follows:

- **Model Upload Process:** Enter either 0 or 1.

- 0 - Skip Model Upload
- 1 - Trigger Model Upload

- If you have selected 1 in the previous step, select the option of the type of Model upload as either 0 or 1.

- 0 - Released Data Model
- 1 - Customized Data Model

- If you have selected 1 in the previous step, provide the inputs for the **Data Model Name** and the **Path of Data Model**.

10. Execute **OFSAAIUpdate.sh** file using the following command:

```
./OFSAAIUpdate.sh
```

Verify if the Minor Release is applied successfully by checking the following log files generated in the installation folder:

- <IFRS_Patch_Installer_Folder>/OFS_IFRS_PACK/logs/OFSAAIUpdate.log
- <IFRS_Patch_Installer_Folder>/OFS_IFRS_PACK/OFS_IFRS/logs/<log>

You can ignore the “Object already exists” warnings and ORA-00001, ORA-00955, ORA-02260, ORA-01430, and ORA-01031 errors in the log file. In case of any other errors, contact [Oracle Support](#).

11. If OFSAA is deployed on Oracle WebLogic Server version 12.2.x, install the one-off patch **25343603**. Refer to the Readme available with the patch for further instructions on installing the patch.

NOTE: Refer to the [Technology Matrix](#) for a list of supported servers for OFSAAI 8.0.4.0.0.

12. Install the consolidated one-off patch **25487272**. Refer to the Readme available with the patch for further instructions on installing the patch.
13. .Install the consolidated one-off patch **25777667**. Refer to the Readme available with the patch for further instructions on installing the patch.
14. Verify the `Update.log` file located at `$FIC_HOME/utility/UpdateConstraints/logs` folder which is created by Update Constraint utility.

Execution status information of the utility is available against each Information domain. For success, “*Update successful*” message is displayed. If it is successful, verify the following references for new constraint names:

- `ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml`
- Constraint scripts under `ftpshare/<INFODOM>/erwin/scripts/table`
- Constraint scripts under `ftpshare/<INFODOM>/scripts`
- Object registration tables for constraints, `REV_TAB_CONSTRAINTS`, `REV_TAB_REF_CONSTRAINTS`, `REV_TAB_CONSTRAINT_COLUMNS`.
- Oracle Data Dictionary in the respective atomic schema for each Infodoms.

In case of errors in the `Update.log` file, identify the failed Infodoms. Then troubleshoot and execute the standalone utility for the failed Infodoms. See [How to execute the Update Constraints Utility](#) section.

15. After successful installation of this Minor Release, perform the following steps:
 - Clear the application cache. Navigate to the following path depending on the configured web application server and delete the files.

- **Tomcat:**
<Tomcat installation folder>/work/Catalina/localhost/<Application name>/org/apache/jsp
 - **Weblogic:**
<Weblogic installation location>/domains/<Domain name>/servers/<Server name>/tmp/_WL_user/<Application name>/qaelce/jsp_servlet
 - **Websphere:**
<Websphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>
16. Add umask 0027 in the `.profile` of the UNIX account which manages the WEB server to ensure restricted access permissions.
 17. After the successful installation of the Minor Release, restart all the OFSAAI services. For more information, refer to the *Start/Stop Infrastructure Services* section in *Oracle Financial Services IFRS Release 8.0.2.0.0 Installation Guide* in [OHC Documentation Library](#).
 18. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying the EAR / WAR file, refer to the *Post Installation Configuration* section in *Oracle Financial Services IFRS Release 8.0.2.0.0 Installation Guide* in [OHC Documentation Library](#).
 19. Navigate to **Administration and Configuration > System Configuration > Manage OFSAA Product Licenses** module of **Oracle Financial Services Analytical Applications Infrastructure** and license the applications.
 20. Navigate to **Identity Management > User Administrator > User Group Domain Map** module of **Oracle Financial Services Analytical Applications Infrastructure** and Map seeded HM and/or LLFP User Groups to the application domains.
 21. Navigate to **Object Administration > Object Security > Batch Executions Rights** module of Oracle Financial Services Analytical Applications Infrastructure and map the Seeded Batches to Mapped User Group, which is assigned to the user.

NOTE: Market Data providers are not seeded as those are user-specific. Market Data Providers can be added through the AMHM module of Oracle Financial Services Analytical Applications Infrastructure by updating the dimension 'Financial Data Provider' with names of subscribed market data providers. The market feed from such providers is held in Market Center Quote Staging table, where the Data Origin column contains a reference to market data provider. For more information on AMHM, see Oracle Financial Services Analytical Applications Infrastructure User Guide available in [OHC Documentation Library](#).

1.4 Post Install Configurations

Download and install the following one-off patches from the *Patches & Updates* tab of <https://support.oracle.com/>:

- 25828416
- 25555593
- 27027637
- 28309853

Execute the DMT Migration Utility to manually migrate the DMT metadata of the Applications which are not upgraded to 8.0.6.0.0. DMT migration utility is available as part of the OFSAI 8.0.6.0.0 upgrade to migrate the DMT metadata (PLC/Data Source/Data Mapping/Data File Mapping) to be persisted in tables instead of XML. To identify when to migrate, what/how to migrate, and how to handle migration issues, see [OFSAA DMT Metadata Migration Guide](#).

Install the security patch for OFS IFRS from the MOS Document [2308427.1](#).

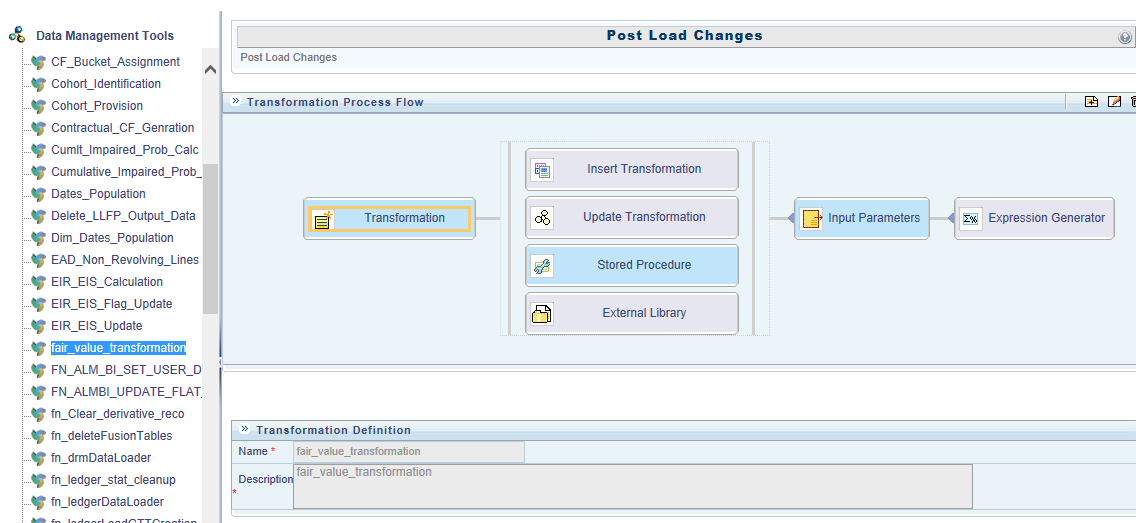
1.4.1 Data Transformation Resave

The valuation function - **fair_value_transformation**, for Level 3 contains only Level 1 and Level 2 valuation codes and does not reflect the latest changes done to the function, concerning Level 3.

To reflect the changes for Level 3, update the **fair_value_transformation** function from the Post Load changes section of OFSAI, by performing the following procedure:

1. Navigate to *Data Management Tools > Post Load Changes*.


The *Post Load Changes* section is displayed:



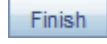

2. Select the function **fair_value_transformation** from the LHS list.

The details of the function are displayed in the RHS in *Transformation Process Flow* and *Transformation Definition* grids.

3. Click  button. The **Description** field is enabled for editing.

4. Click  button.

The *Parameter Definition*, *Stored Procedure Editor*, and *Business Process Flow* grids are displayed.

5. Click  button. The function is saved and a dialog box confirming the save operation is displayed. Click  button.

1.4.2 Update Constraints Utility

This utility applies a new naming convention to constraints (PK and FK) to resolve the following issues:

- For tables with similar names which are relatively long (>27 characters) where the initial few characters differ (for example, STG_COMMON_ACCOUNT_SUMMARY, FCT_COMMON_ACCOUNT_SUMMARY), the constraint names get generated as same causing an Oracle error of duplicate constraints.
- When the number of foreign keys for a table is more than 100, the length of the constraint name exceeds the permissible limits allowed by Oracle Database.

The new naming convention has the following logic. A Unique ID gets generated for each data model entities. The new constraint name will be generated by appending the unique ID with 'FK' or 'PK' (along with a sequence for FK). For example, PK on DIM_ACCOUNT will be formed as PK_101, where 101 is the unique id of DIM_ACCOUNT. Similarly, FKs on FCT_ACCOUNT_SUMMARY will be FK_206_01, FK_206_02, FK_206_03, FK_206_04, where 206 is the unique id of FCT_ACCOUNT_SUMMARY and the table has 4 FKs.

This utility gets executed as part of the OFSAAI 8.0.4.0.0 patch installation. After the successful installation of the OFSAAI 8.0.4.0.0 installer patch, verify the `Update.log` file located at `$FIC_HOME/utility/UpdateConstraints/logs` folder that is created by Update Constraint utility. Else, the value of `AAI_MU_UTIL_UPDATE_CONS.V_FLAG_VALUE` of the Config Schema table. If its value is 'N' against an Infodoms, it is identified as a failure.

In case of errors, identify and troubleshoot the failed Infodoms. Once you have completed the troubleshooting, execute the standalone utility for the failed Infodoms.

1.4.2.1 How to Execute the Utility

Utility performs the backup of the following files under `ftpshare/<INFODOM>_encon_bkp` but restoration is not done.

- ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml
- Constraint scripts under ftpshare/<INFODOM>/erwin/scripts/table
- Constraint scripts under ftpshare/<INFODOM>/scripts

To execute the utility, perform the following steps:

1. Navigate to `$FIC_HOME/utility/UpdateConstraints/bin/` folder and grant RWX (755) permissions for all executables (.sh files).
2. Execute the utility manually for each of the failed information domains.
`$FIC_HOME/utility/UpdateConstraints/bin/execute.sh $INFODOM`
3. If the process is successful, verify the following references for new constraint names:
 - ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml
 - Constraint scripts under ftpshare/<INFODOM>/erwin/scripts/table
 - Constraint scripts under ftpshare/<INFODOM>/scripts
 - Object registration tables for constraints, REV_TAB_CONSTRAINTS, REV_TAB_REF_CONSTRAINTS, REV_TAB_CONSTRAINT_COLUMNS.
 - Oracle Data Dictionary in the respective atomic schema for each Infodoms.
4. In case of failure, refer to the utility's log and identify the cause of the failure. Resolve the issues before proceeding with the re-run of the utility. For more queries, contact Oracle Support Services.

1.4.2.2 Troubleshooting

Utility goes through six different steps, which can be traced with the below messages.

NOTE: At every stage identify the cause of the failure and resolve the issues before proceeding with the re-run of the utility:

Steps	Description	Action to be taken

Steps	Description	Action to be taken
1	Generate Scripts and updating DATABASE.XML	<p>Step 1: Restore the file backed up at ftpshare/<INFODOM>_encon_bkp/erwin/fipxml/<INFODOM>_DATABASE.xml to the destination ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml.</p> <p>Step 2: Restore the folders backed up at ftpshare/<INFODOM>_encon_bkp/erwin/scripts/table to the destination folder ftpshare/<INFODOM>/erwin/scripts/table.</p> <p>Step 3: Restore the folders backed up at ftpshare/<INFODOM>_encon_bkp/scripts to the destination folder ftpshare/<INFODOM>/scripts.</p> <p>Step 4: Re-run the utility.</p>
2	Triggering Object Registration	<p>Step 1: Restore the file backed up at ftpshare/<INFODOM>_encon_bkp/erwin/fipxml/<INFODOM>_DATABASE.xml to the destination ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml.</p> <p>Step 2: Restore the folders backed up at ftpshare/<INFODOM>_encon_bkp/erwin/scripts/table to the destination folder ftpshare/<INFODOM>/erwin/scripts/table.</p> <p>Step 3: Restore the folders backed up at ftpshare/<INFODOM>_encon_bkp/scripts to the destination folder ftpshare/<INFODOM>/scripts.</p> <ul style="list-style-type: none"> • Step 4: Re-run the utility.

Steps	Description	Action to be taken
3	Gathering information about previous constraint names	<p>Step 1: Restore the file backed up at <code>ftpshare/<INFODOM>_encon_bkp/erwin/fipxml/<INFODOM>_DATABASE.xml</code> to the destination <code>ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml</code>.</p> <p>Step 2: Restore the folders backed up at <code>ftpshare/<INFODOM>_encon_bkp/erwin/scripts/table</code> to the destination folder <code>ftpshare/<INFODOM>/erwin/scripts/table</code>.</p> <p>Step 3: Restore the folders backed up at <code>ftpshare/<INFODOM>_encon_bkp/scripts</code> to the destination folder <code>ftpshare/<INFODOM>/scripts</code>.</p> <p>Step 4: Re-run the utility.</p>

Steps	Description	Action to be taken
4	Alter constraints	<p>Step 1: Execute the following statements to drop the backup tables in Atomic Schema:</p> <pre>Drop table REV_TAB_CONSTRAINTS_U; Drop Table REV_TAB_REF_CONSTRAINTS_U ; Drop table REV_TAB_CONSTRAINT_COLUMNS_U;</pre> <p>Step 2: Restore the file backed up at ftpshare/<INFODOM>_encon_bkp/erwin/fipxml/<INFODOM>_DATABASE.ASE.xml to the destination ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml.</p> <p>Step 3: Restore the folders backed up at ftpshare/<INFODOM>_encon_bkp/erwin/scripts/table to the destination folder ftpshare/<INFODOM>/erwin/scripts/table.</p> <p>Step 4: Restore the folders backed up at ftpshare/<INFODOM>_encon_bkp/scripts to the destination folder ftpshare/<INFODOM>/scripts.</p> <p>Step 5: Modify r_rename_cons.sql that is available in the \$FIC_HOME/utility/UpdateConstraints/Scripts/<INFODOM> folder by adding semicolon at the end of each line.</p> <p>Step 6: Execute the file r_rename_cons.sql in the Infodom Atomic Schema.</p> <p>Note: Ignore any ORA errors related to 'constraint does not exist'.</p> <p>Step 7: Re-run the utility.</p>

Steps	Description	Action to be taken
5	Clear data of previous constraints	<p>This can be considered as a successful case. However, the user needs to execute the following SQL commands.</p> <p>Step 1: Execute the following statements to drop the backup tables in Atomic Schema:</p> <pre>Drop table REV_TAB_CONSTRAINTS_U; Drop Table REV_TAB_REF_CONSTRAINTS_U ; Drop table REV_TAB_CONSTRAINT_COLUMNS_U;</pre> <p>Step 2 : Execute the statement in Configuration Schema, after replacing <INFODOM> with the respective information domain:</p> <pre>UPDATE aai_mu_util_update_cons SET V_FLAG_VALUE='Y',V_UPDATE_DATE=SYSDATE where DSNID='<INFODOM>'</pre>
6	Update Successful	-

1.4.3 Sandbox Resave Utility

A utility is provided to regenerate the CONSTRAINTS.XML as per the changes done as part of Update Constraints utility. The constraint XML is required for the sandbox data population which will store the foreign key names of all the tables.

The XML files which will be re-generated are:

```
ftpshare/<SANDBOXINFODOM>/erwin/scripts/sandbox/CONSTRAINTS.xml
```

```
ftpshare/<SANDBOXINFODOM>/erwin/scripts/sandbox/<TABLE_NAME>.xml
```

1.4.3.1 Prerequisites

Update Constraints utility should have been run successfully on all the sandbox and production Infodoms.

1.4.3.2 How to Run the Utility

1. Navigate to \$FIC_HOME/utility/sandboxutil/bin folder and grant RWX (755) permissions for all executables (.sh files).
2. Execute the utility using the following command:

```
./updatesandbox.sh
```
3. Verify logs from \$FIC_HOME/utility/sandboxutil/bin/nohup.out folder.

4. If the process is successful, verify the following references for new constraint names:
 ftpshare/<SANDBOXINFODOM>/erwin/scripts/sandbox/CONSTRAINTS.xml
 ftpshare/<SANDBOXINFODOM>/erwin/scripts/sandbox/<TABLE_NAME>.xml
5. In case of failure, refer the utility's log and restore the backups for the file system. Execute the utility for the failed infodoms one by one using the following command:
 \$FIC_HOME/utility/sandboxutil/bin/updatesandbox.sh \$INFODOM.

NOTE: Utility does the backup of ftpshare/<SANDBOXINFODOM>/erwin/scripts/sandbox folder as ftpshare/<SANDBOXINFODOM>/erwin/scripts/sandbox_bkp, but restore is not done. Restore should be done manually in case of any failure. The backup folder will be created in the app ftpshare area. In case of any failure, the backup has to be replaced in the db ftpshare area also.

For more queries, contact Oracle Support Services.

1.4.4 Update ETLRepository.xml File

1. Shut down all OFSAI Services. For more information, refer to the *Start/Stop Infrastructure Services* section in *Oracle Financial Services IFRS Release 8.0.0.0.0 Installation Guide* in [OHC Documentation Library](#).
2. Take a backup of the file ETLRepository.xml, present in the location, `$FIC_HOME/ftpshare/etlapphome/`.
3. Remove the following entry from the file ETLRepository.xml file:

```
<DEFINITION ID="T2T_EMBEDDED_OPTIONS_SCH" ISLOOKUP="FALSE"
LOADTYPE="TABLE_LOAD" MEMORYLOAD="FALSE" OWNER_INFODOM="FUSION"
TYPE="EXTRACT">

  <PROPERTIESCREATED>YES</PROPERTIESCREATED>

  <FTPSTATUS>YES</FTPSTATUS>

  <CREATEDBY>APPUSER</CREATEDBY>

  <CREATETIME>2012/10/4 01:05:27 AM</CREATETIME>

  <LASTMODIFIEDBY>APPUSER</LASTMODIFIEDBY>

  <LASTMODIFIEDTIME>2012/10/4 01:05:27 AM</LASTMODIFIEDTIME>

  <MAPPING>

    <INFODOMS>

      <INFODOM CTL_OR_FMT="NO" FTPSTATUS="YES" ID="FUSION">
```

```

<TABLES>
    <TABLE ID="FSI_D_EMBEDDED_OPTIONS_SCH"/>
</TABLES>
</INFODOM>
</INFODOMS>
</MAPPING>
</DEFINITION>

```

4. Restart all OFSAAI services. For more information, refer to the *Start/Stop Infrastructure Services* section in *Oracle Financial Services IFRS Release 8.0.0.0.0 Installation Guide* in [OHC Documentation Library](#).

1.4.5 Update the Properties of ifrs-eir.ini File

The behavior of the IFRS EIR engine is controlled by six execution properties, which are present in the **ifrs-eir.ini** located at *\$FIC_DB_HOME/conf* folder. You can update these properties for the following purposes:

Property	Update Required/Function/Description
EIR_CALC_SCRIPT	This refers to the name of the stored procedure that computes/persists the EIR value. Typically, this should be left unmodified from the factory-setting.
PARALLEL_TABLES	Tune the engine performance. If more than one instrument table is attached to an ALM-process, you can perform the EIR calculation for these tables in parallel. For example, If you set this to 5, the EIR calculation for a max of 5 tablets will be started in parallel. If the property is not set or is set to an invalid value, it will default to 1 – serial mode.

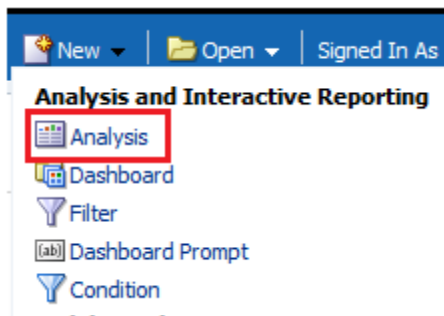
Property	Update Required/Function/Description
NUM_EIR_THREADS	<p>Tune the engine performance.</p> <p>If the instrument table has more than 1 instrument record, this property determines how many parallel EIR executions are launched – one for each instrument record. One database-connection will be opened for each instrument-record.</p> <p>For example, if you set this to 5, then EIR calculation will be launched for 5 instrument records at a time – each having its private connection to the database.</p> <p>By controlling (PARALLEL_TABLES) & (NUM_EIR_THREADS) properties, you can control how many sessions are connected to the database.</p>
NUM_ACCOUNTS	<p>Tune the engine performance.</p> <p>The engine queries the list of instrument IDs into memory and then iterates through these instrument IDs. Since there can be any number of instrument records, there may or may not be sufficient memory to load the list of instrument IDs. The engine, therefore, fetches the instrument IDs from the table(s) in smaller batches. The NUM_ACCOUNTS setting specifies that batch size.</p> <p>If the number is too low, that engine needs to query the instrument table multiple times, to load the next set of instrument IDs.</p>
OFSRM_EXECUTOR	<p>The EIR engine internally triggers the Cash Flow engine to generate the cash flows. The CFE, by design, expects a user ID as one of the inputs; all subsequent Cash Flow generation is done using the application preference of this user ID. By default, the EIR engine uses the last modified by / creator ID of the Cash Flow process, for the CFE execution.</p> <p>A different user ID can be forced by using this property. However, it implies that the ALM application preferences are available for this overridden user ID.</p> <p>By default, this setting is disabled in the application.</p>
IGNORE_CFE_ERROR	<p>By default, the EIR engine skips EIR computation if the Cash Flow generation process fails (that is, returns a non-zero exit status).</p> <p>If this property is set to Y (or y), the EIR computation is not skipped and EIR will be computed for the instruments, for which Cash Flows have been generated.</p> <p>By default, this setting is disabled in the application.</p>

1.4.6 Creating Global Variables for OBIEE

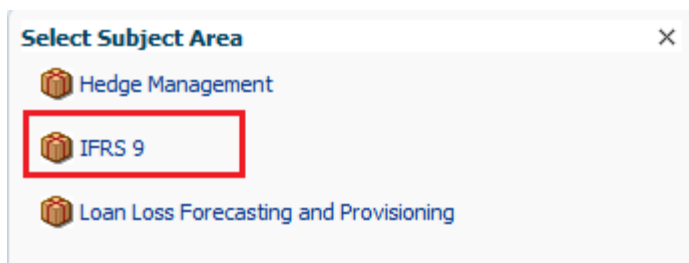
To create the global variables for OBIEE, in this release of IFRS application, perform the following procedure:

1. Host the RPD and Catalog for LLFP solution as part of this release.

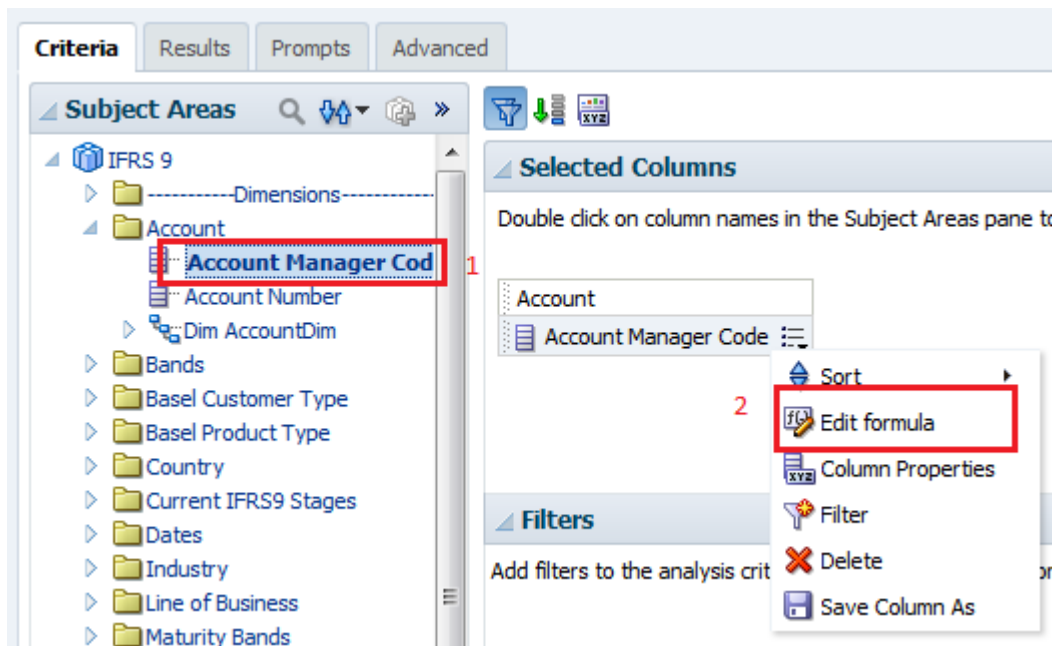
2. Login into OBIEE/analytics using the application URL.
3. Click the **Analytics** link.



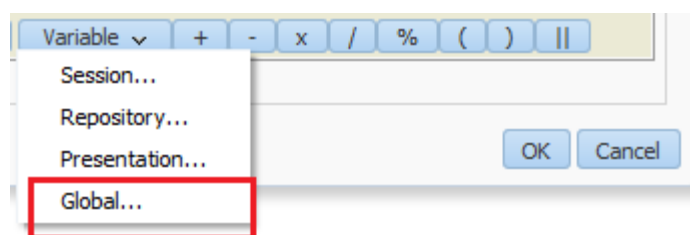
4. Click and select the subject area as **IFRS 9**.



5. The subject area details are displayed.
Expand a folder and double click on any column from the subject area.
Click the **Edit formula** menu item.



6. Click the *Variables* tab and select the **Global** option from the menu.



7. Create a global variable with the following details:

- Variable Name: **denomination**

Value: **case when '{@denomination}{in thousand}' = 'in thousand' then 1000 else 1000000 end**

This variable is used to divide all amount values by thousand or million, depending on the selected criteria.

- Variable Name: **RSkey**

Value: **case when "Run"."Run Execution Id" = '{@RunId}{1476270723292}' then "Run"."Run Skey" end**

- Variable Name: **stage**

Value: **"Previous IFRS9 Stages"."IFRS Stage Code"**

8. Refresh the materialized by executing the following queries:

```
▪ EXECUTE
  DBMS_MVIEW.REFRESH (LIST=>'FCT_IFRS_STG_DETERMINATION_MV');
```

This refreshing of MV should be done when there is a change to the Stage Determination table.

```
▪ EXECUTE
  DBMS_MVIEW.REFRESH (LIST=>'FCT_COLLECTIVE_ASSESSMENT_MV');
```

1.4.7 Enable Multiple ECL Run IDs in ECL Dashboard

Perform the following procedure to enable Multiple ECL Run IDs in ECL Dashboard:

1. Go to EDIT mode in ECL Dashboard.
2. Select **Prompt - Run Details** link and go to EDIT mode.
3. Click the *Options* tab, *General* tab, select the dropdown for **Choice List Values**.
4. Select SQL Results.
5. Enter an SQL query to modify the filter of Run ID selection. For example:


```
SELECT "Run"."Run Description" FROM "IFRS 9" WHERE "Run"."Run
Type"=2 FETCH FIRST 65001 ROWS ONLY
```

6. Save the settings.

1.4.8 Configurations for Verifying and Executing PD Model

This configuration procedure is specific to OFS LLFP and is required only if you have a licensed OFSAAI Enterprise Modelling Framework.

Once you license OFS AAI, the following configurations must be made to use the PD Modelling feature in OFS LLFP application. These steps are required to verify and execute the PD model that is packaged with the LLFP application.

NOTE: Ensure that Oracle R Enterprise Server version 1.5 is installed on the database server and AAI Runner Package is installed on the DB server before you perform these configurations. Also, you must access the application with the required privileges.

1. Create a new schema with the following grants:

```
grant create SESSION to <<schema_user>>;
grant create PROCEDURE to <<schema_user>>;
grant create SEQUENCE to <<schema_user>>;
grant create TABLE to <<schema_user>>;
grant create TRIGGER to <<schema_user>>;
grant create VIEW to <<schema_user>>;
grant create MATERIALIZED VIEW to <<schema_user>>;
grant create SYNONYM to <<schema_user>>;
```

2. Grant RQADMIN role to the Config schema user:

```
GRANT RQADMIN TO <<config_schema>>;
GRANT RQADMIN TO <<atomic_schema>>;
GRANT RQADMIN TO <<pdmodel_schema>>;
```

3. Create a new database from **System Configuration** menu.
4. Add the TNS entry for the newly created database.
5. Create a new Information Domain for Sandbox and create a new Segment.
6. Map the Sandbox Infodom to the group **LLFP Admin Group**.
7. Map the EMF groups to the LLFP admin user.
8. Login to Config schema and execute the following script:

```
$FIC_HOME/scripts_OFS_IFRS_8.0.4.0.0/config/insert/ofs_llfp_aai_
menu_804.sql
```

9. Log in as LLFP Admin user and create a Sandbox from the OFSAAI menu. Use the dataset **IFRS ECL Consolidated** for creating this Sandbox.
10. Disable the FK constraint (FK_MF_MODEL_DS_QUERY_1) defined in the table MF_MODEL_DS_QUERY, in Config schema.
11. Replace the place holders **##LLFPSBXINFODOM##** and **##LLFPSANDBOX_ID##** with Sandbox infodom name and Sandbox ID respectively, in the following tables of Config schema:
 - MF_MODEL_MASTER
 - MF_MODEL_SCRIPT_MASTER
 - MF_MODEL_DS_QUERY
12. Enable the FK constraint **FK_MF_MODEL_DS_QUERY_1**, in Config schema.
13. Update all the occurrences of the term “**Timestamp**” to “**Date Time**” in the following files, present in the folder `ftpshare/<<SANDBOX_INFODOM>>/erwin/scripts/sandbox`:
 - FSI_TRANSITION_MATRIX_MST.xml
 - FSI_PERIOD_TM_MAP_MST.xml
 - FSI_IFRS_ECON_SCENARIO_MST.xml

Once these configurations are set, you can follow the OFSAAI Installation Guide to view, execute, and deploy the model from Sandbox. For more information, see Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide available in [Oracle Help Centre Documentation Library](#).

1.4.9 Additional Configurations

1.4.9.1 Configurations for Big Data Processing

You can refer to the *Configurations for Big Data Processing* section in the [OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide v8.0.2.0.0](#).

1.4.9.2 Configurations for Enterprise Modeling

This section is applicable only if OFS Enterprise Modeling is licensed and enabled in your OFSAA instance.

Perform the following configurations before you start using Enterprise Modeling framework on 8.0.4.0.0:

1. Install OFS AAI Runner package in the database server to execute ORE models. This is a mandatory step and you can find the Runner package in the `$FIC_HOME/ficdb/lib` folder. For more information, refer to the section *Installing OFS AAI Runner Package* in the [OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide v8.0.2.0.0](#).
2. Configure ORE 1.5 to load the Cairo library in Oracle Linux/RHEL 7 by creating a symbolic link from `libtiff.so.3` to `libtiff.so.5` for the ORE executions to succeed. Follow the steps given below to create a symbolic link:
 1. Login as root and change directory to `/usr/lib64`.
 2. Execute the following command:

```
ln -s libtiff.so.5 libtiff.so.3
```

NOTE: Contact Oracle Support Services if you require further assistance on ORE 1.5.

The following steps are not required if you have done this as part of the 8.0.3.0.0 version.

3. Sandbox Resave Utility is included in the 8.0.4.0.0 upgrade patch. If the log file in the path `$FIC_HOME/utility/sandboxutil/logs` has any error messages, execute the Sandbox Resave utility. For details, see the How to Run the Utility section.
4. Resave all ORE-based models, if you are upgrading to OFS AAI 8.0.4.0.0 from an older version. For more information on running the model resave utility, see the [Model Resave Utility](#) section.

1.4.9.3 Configuration for Tomcat

You can refer to the [Oracle Financial Services Analytical Applications Infrastructure Applications Infrastructure Administration Guide](#) for information on configuration for Tomcat.

1.4.9.4 Configurations for Inline Processing Engine (IPE)

You can refer to the [Oracle Financial Services Analytical Applications Infrastructure Administration Guide](#) for information on configuration for IPE.

1.4.9.5 Configurations for Process Modeling Framework

You can refer to the [Oracle Financial Services Analytical Applications Infrastructure Administration Guide](#) for information on configuration for the Process Modeling Framework.

1.4.9.6 Configurations for Forms Manager

You can refer to the [Oracle Financial Services Analytical Applications Infrastructure Administration Guide](#) for information on configuration for Forms Manager.

1.4.9.7 Configurations to Deploy the LLFPBI Application

The following are the steps to configure the LLFPBI Analytics:

Before you begin this process, ensure that Oracle Business Intelligence (Version 11.1.1.9.0) installation is completed and is available.

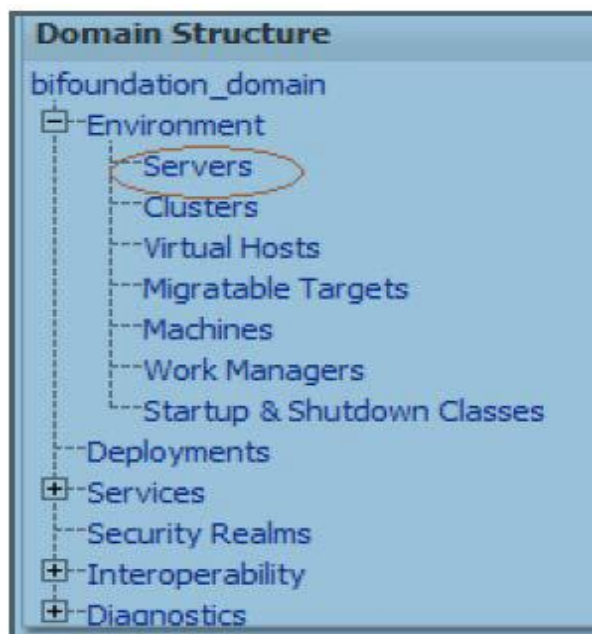
1. Set the <Oracle BI Instance Home> directory.
For example: **`/u01/OBIEE11G/instances/instance1`**
2. Start WebLogic AdminServer.
 - a. Set the <BI Domain Home> directory.
 - i. For Example:
`/u01/OBIEE11G/user_projects/domains/bifoundation_domain`
 - b. Navigate to <BI Domain Home >/bin and execute the following command:

`nohup ./startWebLogic.sh &`

NOTE: Bringing up this service may take a few minutes depending on your environment. Check the logs using the command:

`tail -f nohup.out`

3. Start Node Manager.
 - a. Set the < WebLogic Server Home > directory>.
For example: `/u01/OBIEE11G/wlserver_10.3`
 - b. Navigate to <WebLogic Server Home>/server/bin and execute the following command:
`nohup ./startNodeManager.sh &`
4. Start WebLogic Managed Server (bi_server1).
 - a. Login onto `http://localhost:7001/console` using your Administrator credentials created during platform install (Replace the hostname based on your setup).
 - b. Under the *Environment* tab, click the **Servers** link.



The bi_server1 displays the shutdown state at this point.

<input type="checkbox"/>	Server ^	Machine	State	Status of Last Action
<input type="checkbox"/>	AdminServer(admin)	laliv-lap	RUNNING	None
<input type="checkbox"/>	bi_server1	laliv-lap	SHUTDOWN	TASK COMPLETED

- c. Click the *Control* tab.
- d. Select the bi_server1 line by clicking on the left tick box.
- e. Click the Start button at the top of the list and confirm starting this service.

Servers (Filtered - More Columns Exist)

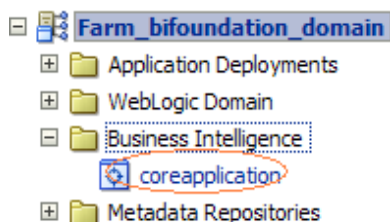
Start Resume Suspend ▾ Shutdown ▾ Restart SSL

<input type="checkbox"/>	Server ^	Machine	State
<input type="checkbox"/>	AdminServer(admin)	laliv-lap	RUNNING
<input checked="" type="checkbox"/>	bi_server1	laliv-lap	SHUTDOWN

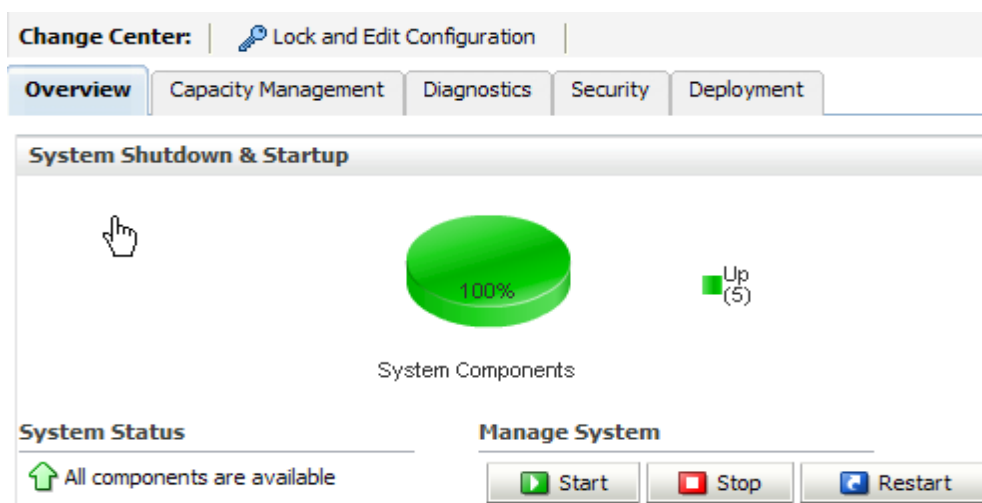
Start Resume Suspend ▾ Shutdown ▾ Restart SSL

- f. The state will update to the "RUNNING" mode after a few minutes.
5. Start OBIEE services and login
 - a. Starting services From EM screen:

- i. Log in to the EM administration screen using the URL: *http://localhost:7001/em* (Replace the hostname and port number based on your setup). Use the login you created in BIEE installation to log in.
- ii. Expand the 'Business Intelligence' node on the left and choose the **Core application**.

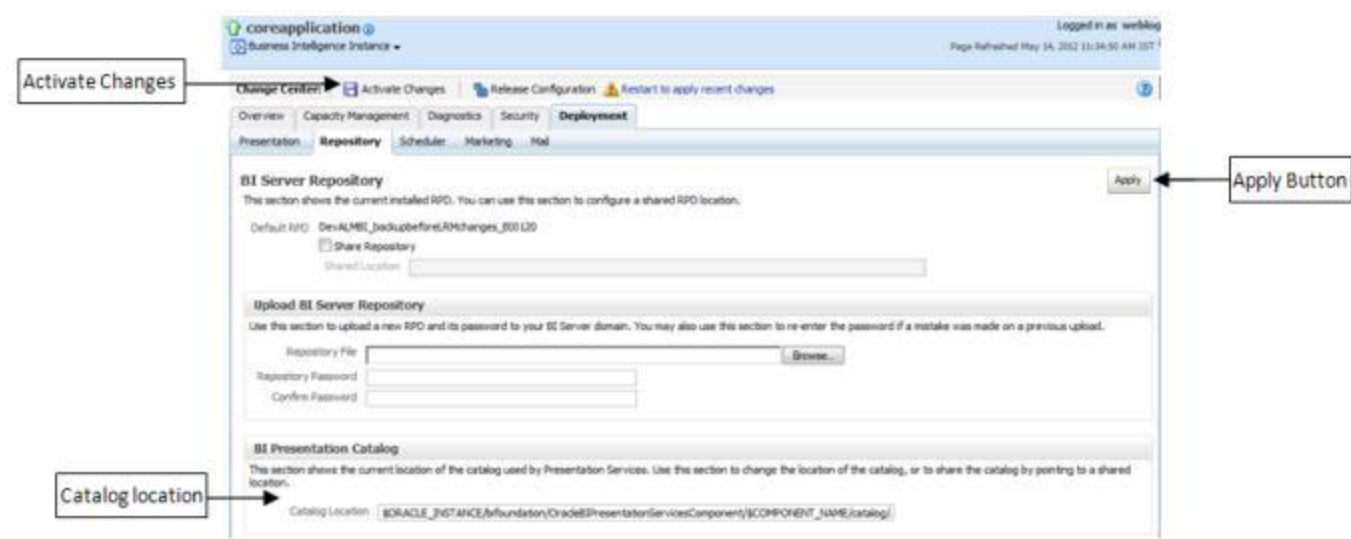


- iii. Click the Overview Tab.

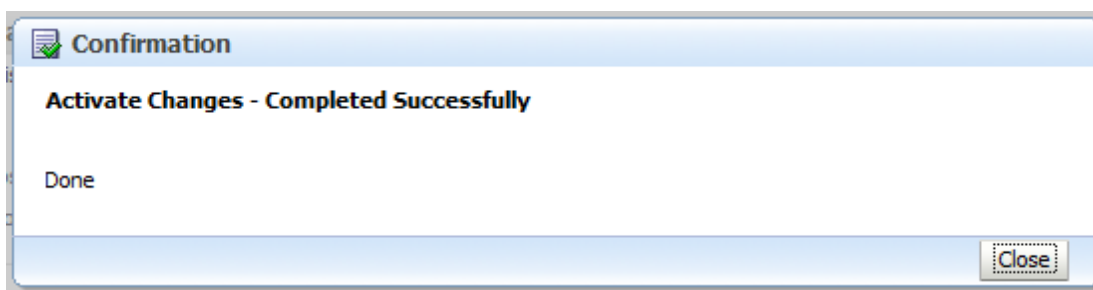


- iv. Click Restart (or Start) under the **Manage System** section.
 - v. Click **Yes** on the dialog box to confirm the action. Wait for a message that confirms the successful restart.
- b. If the start process using EM is not successful and returning an error about OPMNCTL not up, follow the starting process with OPMNCTL.
 - i. Open a command prompt, navigate to <Oracle BI Instance Home>/bin.
 - ii. Execute the command `./opmnctl status`. This displays the status of all the OBIEE core services
 - iii. Execute the command `./opmnctl startall` or `./opmnctl stopall` depending on your requirement.
6. Deploy RPD and web catalog file(s).

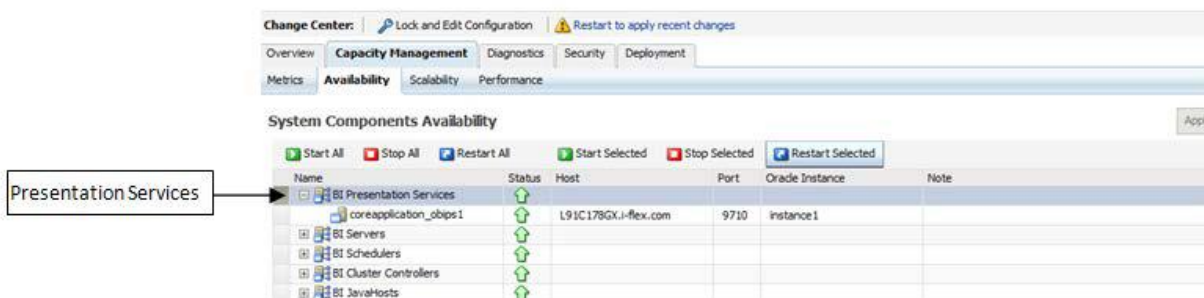
- a. Navigate to folder `$FIC_HOME/LLFP_DASHBOARDS/` which contains **LLFP.rpd** file and `$FIC_HOME/LLFP_DASHBOARDS/` which contains **LLFP.catalog** file.
 - i. Login to OBIEE – Enterprise Manager URL (`http://<ip address>:<port>/em`).
 - ii. Click on **core application** from the *Business Intelligence* tab on the left-hand side.
 - iii. Under the **core application**, select the Deployment tab and click the **Lock and Edit Configuration** button located below the title **core application**. The following screen is displayed:



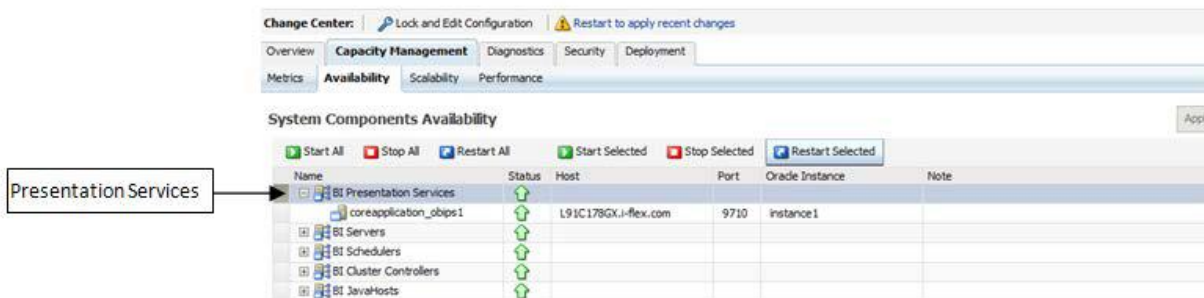
- iv. RPD Deployment: Select the **Browse** button available under the *Upload BI Server Repository* section and select the **LLFP.rpd** file from the local folder. Enter the Repository password 'Administrator1'.
- v. Web catalog Deployment:
 - Create a new **web catalog** folder for the LLFPBI application through the Enterprise Manager of OBIEE.
 - Set the Catalog Location available under 'BI Presentation Catalog' as `$ORACLE_INSTANCE/bifoundation/OracleBIPresentationServicesComponent/$COMPONENT_NAME/catalog/LLFPBI`.
 - Click **Apply** and then click **Activate** changes. The following pop up is displayed after successful activation.



- Click the **Close** button and switch to the *Capacity management* tab.
- Restart the presentation services. Under the System Components Availability, select Presentation Services and click on Restart Selected option.



- vi. Once the Presentation Service is restarted, it displays the pop up notifying the successful restart. Click **Close**.
- vii. Verify that the new folder structure is created in the system. It can be found under path: `<Oracle BI Instance Home> \bifoundation\OracleBIPresentationServicesComponent\coreapplication_obips1\catalog\LLFPBI`
- viii. This **LLFPBI** folder will be having a root folder which in turn contains three folders named **shared, system, and users**.



- b. Open the Catalog Manager

- i. Navigate to File menu and open the catalog online (File->Open catalog) by giving the necessary credentials based on your setup (Type - (online), URL - (<http://<ipaddress>:<port>/analytics/saw.dll>).
 - ii. Once the catalog is opened, it displays a folder structure on the left-hand side. Select the shared folder in the LHS tree structure.
 - iii. Go to the 'File' menu and select 'Unarchive'. It asks for the path for a file.
 - iv. Browse the path of the archived catalog file saved in your local folder using the **Browse** button in the pop-up. Click **OK**.
 - v. The catalog is unarchived in a specified location. A pop up for successful operation is displayed. Restart the presentation services once again.
 - c. Open the analytics OBIEE URL- (<http://<ipaddress>:<port>/analytics>) and login with credentials based on your setup. Verify the availability of the catalog.
 7. Configure **tnsnames.ora** file.
 - a. Open **tnsnames.ora** file under the folder - *<Oracle Home>/network/admin*.
 - b. Make sure that an entry is made in the **tnsnames.ora** file to connect to the atomic schema of the OFSAA application.
 - c. Save the **tnsnames.ora** file.
 8. Configure the ODBC data source to connect to Oracle BI Server.
 - a. Navigate to *Control Panel>Administrative Tools>Data Sources (ODBC)*.
 - b. Select the *System DSN* tab and click the **Add** button.
 - c. Select a driver-specific to (Oracle BI Server 11g) and click the **Finish** button.
 - d. Enter **Name** and Server details (specify the Host Name or IP Address of the BI Server) and click **Next**.
 - e. Enter Oracle BI Server login id and password (Enter User Name and Password created at the time of OBIEE installation). Click **Next**.
 - f. Click **Finish**.
 9. Modify the connection pool and set the properties.
 - a. Open the OBI Administration tool.
 - b. Select *Start > Programs > Oracle Business Intelligence > BI Administration*.
 - c. Select *File > Open > Online* and select **LLFP.rpd** file.
 - d. In the *Open* dialog box, select and open **LLFP.rpd** file.
 - e. Enter the Repository password as '**Administrator1**'.
-

- f. In the **Physical** layer, double-click the **Connect Pool**. The properties of **Connection Pool LLFP** is displayed.
- g. In the *General* tab, edit / check the following entries:
 - i. Call Interface: (OCI 10g/11g).
 - ii. Data source name: <tnsnames.ora entry created in the step 8.b connecting to OFSAA atomic schema>.
 - iii. User name: <enter atomic db user name>.
 - iv. Password: <enter atomic db user password>.
 - v. Confirm password and Click **OK** to close the window.
 - vi. Similarly, configure the connection pools for 'LLFPBI'.

NOTE: Repeat similar steps from (g) above for connection pool 'Connection Pool MR' under Database 'Market Risk'.

- vii. Click **Save** to save the RPD file.
 - viii. Click **No** for the Global Consistency Message.
 - ix. Close the RPD file (File / Exit).
10. Login into LLFPBI Application using the URL: <http://localhost:<port number>/analytics>.(Replace the port number based on your setup).

1.4.9.8 Configuration to Enable Analytics Link in Application URL

To enable the Analytics link in the application URL, update the V_MENU_URL column of the Config table AAI_MENU_B with the Analytics URL, where the value of column V_MENU_ID is OFS_LLFP_ANALYTICS.

For example:

```
select      V_MENU_URL      from      aai_menu_b      where      V_MENU_ID      =  
'OFS_LLFP_ANALYTICS' ;
```

1.4.9.9 Configuration to Save ALM Process from the UI while using WebSphere

When you use WebSphere, ensure that the patch **25574885** has been downloaded and installed from the *Patches & Updates* tab of <https://support.oracle.com> page. This patch is required to save ALM processes while using WebSphere.

Appendix A

Frequently Asked Questions

What checks does the 8.0.4.0.0 CA Release patch perform?

- Environment Check- As part of the environment check, it performs Java validation, Environment Variables validation, OS-specific validation, DB specific validation, and it shuts down all OFSAAI Services (Infrastructure Server, ICC Server, and back-end services).
- Post Install check- As part of the Post-install check, it checks if OFSAAI services can be successfully started.

Which version of ERwin Data Modeler does OFSAAI support?

The references to Data Modeler ERwin versions 70, 71, 72, 90, 92, and 96 are provided for the OFSAAI framework to support these for backward compatibility. However, the data model-slices shipped with OFS IFRS 8.0.4.0.0 application pack are compatible with Erwin versions 9.5 and 9.64.

What should I do for viewing the log files in the Debug level for troubleshooting?

By default, the log level is set as INFO. You need to manually change it to Debug to view the log files in the debug level. Based on your requirement, you can change the log level to Warn, Error, or Fatal as well.

1. Navigate to `$FIC_HOME/conf` in the APP layer of your OFSAAI installation.
 - Change the **priority value** to **Debug** in the `RevLog4jConfig.xml` file.

For example:

```
<root>
  <priority value ="debug" />
  <appender-ref ref="ConsoleAppender1"/>
</root>
```

- Change the value of **LOGGERLEVEL** in the `DynamicServices.xml` file from **20** to **0**. (**20** is the value for Info and **0** for Debug.)

NOTE: For multi-tier installation, you need to change the log level to Debug in the `DynamicServices.xml` and `RevLog4jConfig.xml` files, which are present in `$FIC_APP_HOME/conf`, `$FIC_DB_HOME/conf`, and `$FIC_WEB_HOME/conf` as well.

2. Navigate to `$FIC_WEB_HOME/webroot/conf` and change the **priority value** to **Debug** in the `ExportLog4jConfig.xml`, `MDBLogger.xml`, and `PR2Logger.xml` files for viewing log files in Debug level for the modules Archive/Restore, Metadata Browser, and RRF respectively.

3. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying the EAR / WAR file, refer to the *Post Installation Configuration* section in *OFS IFRS Pack Installation and Configuration Guide – Release 8.0.2.0.0*, available in [OHC Documentation Library](#).
4. Restart the OFSAAI Services (APP and WEB). For more information, refer to the *Start/Stop Infrastructure Services* section in *OFS IFRS Pack Installation and Configuration Guide – Release 8.0.2.0.0*, available in [OHC Documentation Library](#).



OFS IFRS 8.0.4.0.0 Installation 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/

Copyright © 2017 Oracle Financial Services Software Limited. All rights reserved.

No part of this work may be reproduced, stored in a retrieval system, adopted or transmitted in any form or by any means, electronic, mechanical, photographic, graphic, optic recording or otherwise, translated in any language or computer language, without the prior written permission of Oracle Financial Services Software Limited.

Due care has been taken to make this 8.0.4.0.0 Installation Guide and accompanying software package as accurate as possible. However, Oracle Financial Services Software Limited makes no representation or warranties with respect to the contents hereof and shall not be responsible for any loss or damage caused to the user by the direct or indirect use of this 8.0.4.0.0 Installation Guide and the accompanying Software System. Furthermore, Oracle Financial Services Software Limited reserves the right to alter, modify or otherwise change in any manner the content hereof, without obligation of Oracle Financial Services Software Limited to notify any person of such revision or changes.

All company and product names are trademarks of the respective companies with which they are associated.