Oracle Financial Services Data Integration Hub Foundation Pack Extension for Data Relationship Management Interface

User Manual

8.0.5.0.0

ORACLE
FINANCIAL SERVICES

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Preface

Audience

Following are the intended audience for the OFS DIH Foundation Pack Extension for OBP User Manual:

- ETL Developers: The ETL Developers from the IT Department of the financial services institution, who do the data sourcing.
- Business Analysts: The business analysts from the IT Department of the financial services institution, who do the mapping of the tables.

Prerequisites

- Data Integration Hub (DIH) should be installed
- OFSAA – DRM Interface should be installed
- Oracle Data Integrator environment for executing the interfaces

Related Information Sources

Along with this user manual, you can also refer to the following documents in OHC documentation Library:

- Oracle Financial Services Data Integration Hub User Guide 8.0.5.0.0
- Oracle Financial Services Data Integration Hub Applications Pack Installation Guide Release 8.0.5.0.0
- DRM - OFSAA Integration Guide

Acronyms

Acronym	Description
DIH	Data Integration Hub
UI	User Interface
ODI	Oracle Data Integrator
ADI	Application Data Interface
KM	Knowledge Module
EDD	External Data Descriptor
Apps	Application
CASA	Current And Savings Account

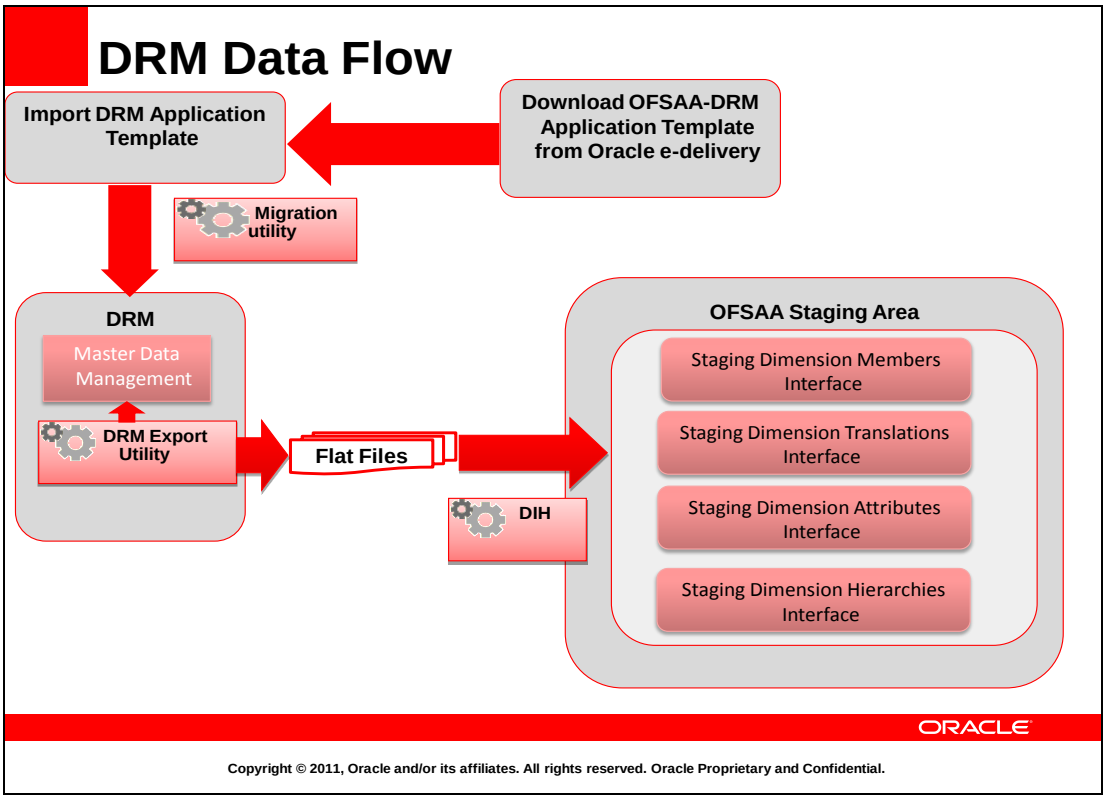
Acronym	Description
CL	Consumer Lending
ELCM	Enterprise Limits and Collateral Management
FX	Foreign Exchange
GL	General Ledger
MM	Money Marketing
TD	Term Deposit
FIS	FLEXCUBE Information Server
EOFI	End of Financial Input
DRM	Data Relationship Management

1 Introduction to DRM to OFSAA Interface

Oracle Financial Services Analytical applications (OFSAA) enables financial institutions to measure and meet risk-adjusted performance objectives, cultivate a risk management culture, lower the costs of compliance and regulation, and improve customer insight.

Oracle Data Relationship Management (DRM) helps proactively manage changes in master data across operational, analytical, and enterprise performance management silos. Users may make changes in their departmental perspectives while ensuring conformance to enterprise standards

1.1 Data Flow



The OFSAA-DRM Application template is an xml based metadata file that is imported into the DRM application through migration utility. The nodes of the hierarchies that qualify within the scope of this interface release is assigned with correct values before executing the DRM exports. Four DRM books are created to generate the delimited files. T6he mapping between the delimited extracted files (EDD) and OFSAA staging tables (ADI) is predefined in the DRM connectors. The pre-defined DIH connectors that map the multiple file EDDs to the corresponding ADIs are published through front end. This creates corresponding interfaces in Oracle Data Integrator Repository. The interfaces are then executed to load the data from the delimited into the target staging tables.

NOTE: The supported version of DRM is 11.1.2.3.

2 Deployment of Application Template

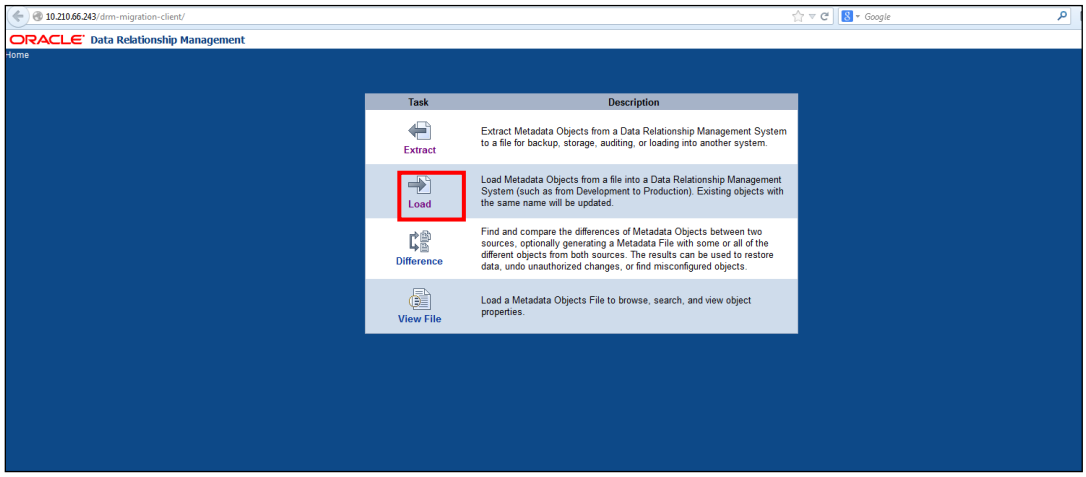
OFSAA-DRM Application template is an xml based metadata file that needs to be imported into the DRM application through migration utility. This would deploy all the out-of-the-box properties, Validations, Exports and Books in the target DRM application. The nodes of the hierarchies that qualify within the scope of this interface release is assigned with correct values before executing the DRM exports.

NOTE: The names of the Hierarchies and the Root Nodes as defined in the Target application need to be manually edited in the template before importing.

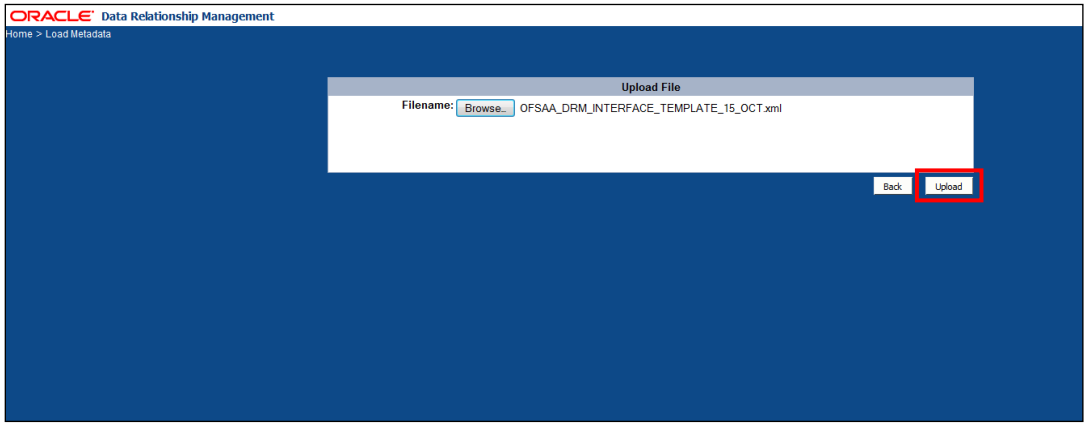
For more information, refer the OFSAA-DIH Installation Manual Release 8.0.5 in *OHC*.

Download the application template from MOS (ID # **25405951**) into a windows machine and import the same into the DRM environment using DRM migration client.

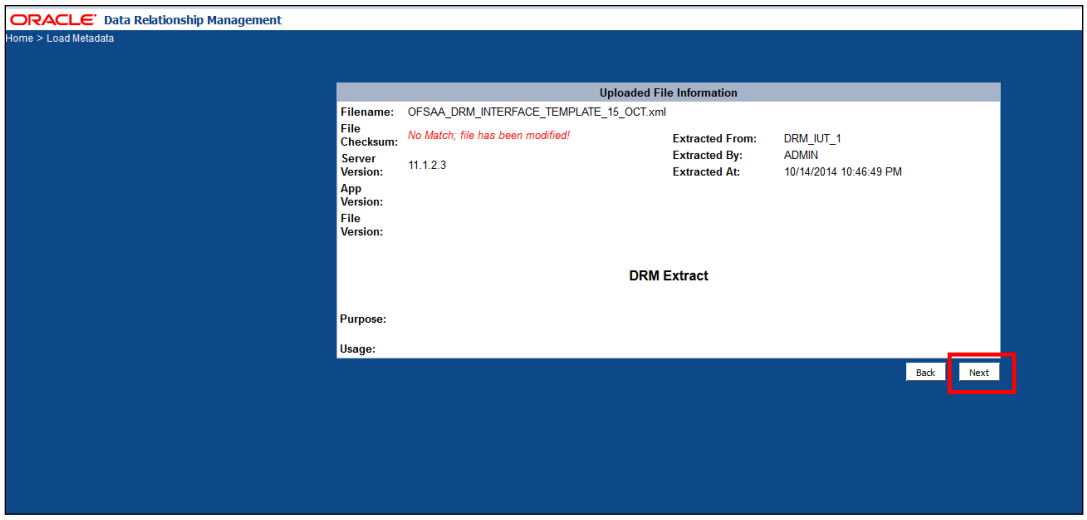
1. Navigate to the DRM Migration client and click **Load**.



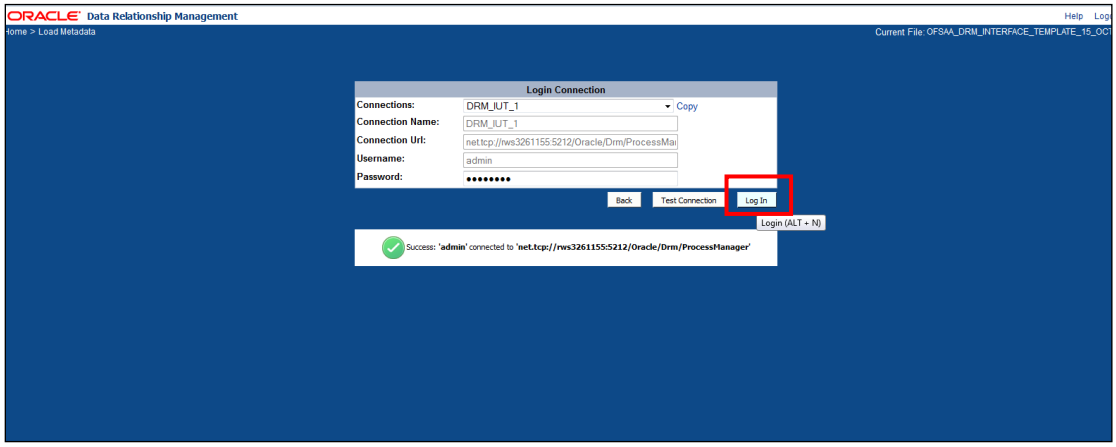
2. Browse for the application template file (.xml) which was downloaded previously from MOS and click **Upload.**



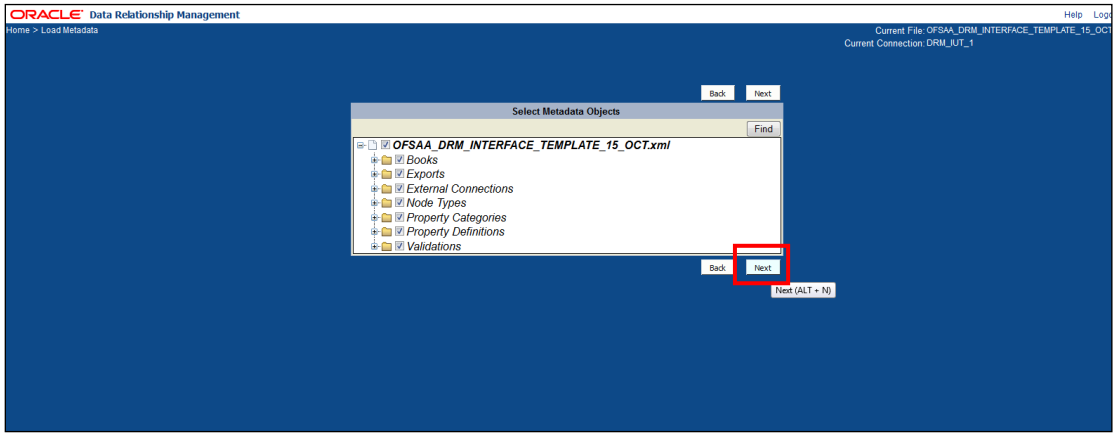
3. Verify the details on the page and click **Next**.



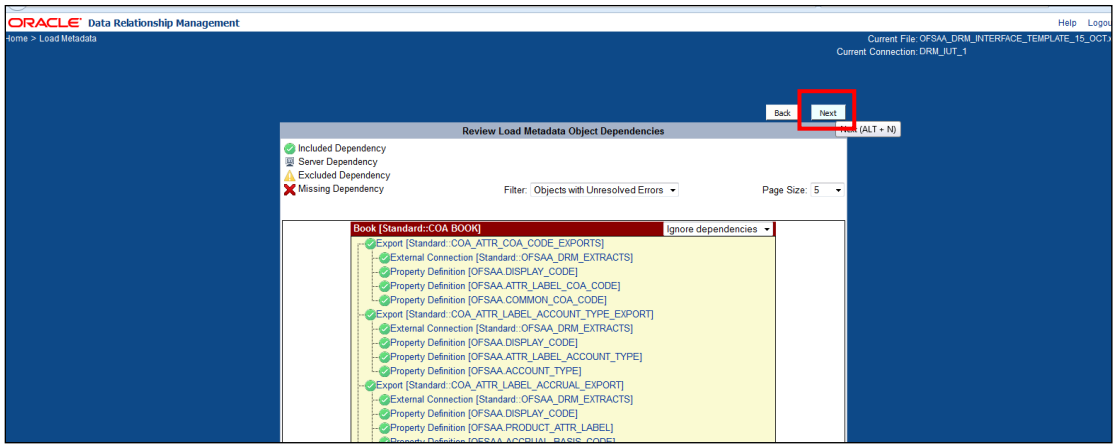
4. Login into target DRM application into which the contents of the application template need to be imported and click **Log In** after entering the required details.



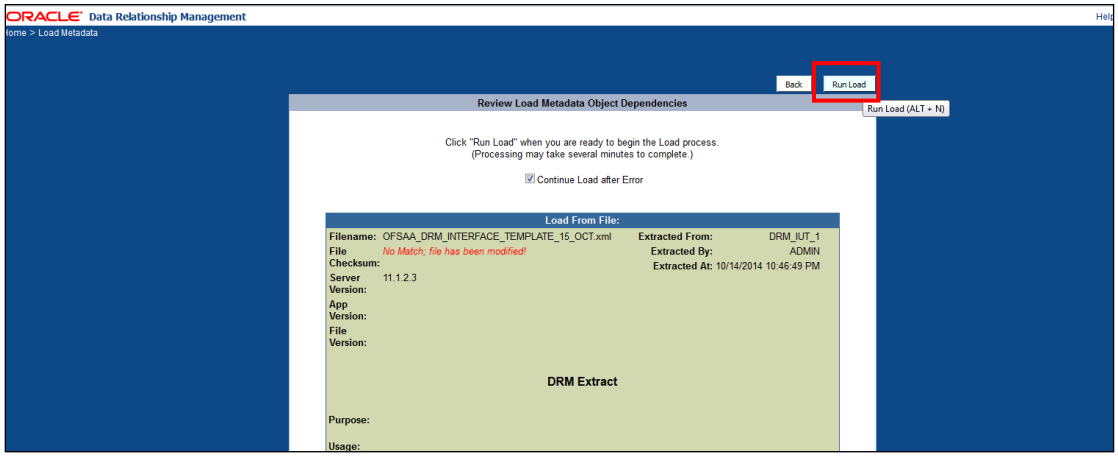
5. Select all the components that are part of the application template as shown below and click **Next**.



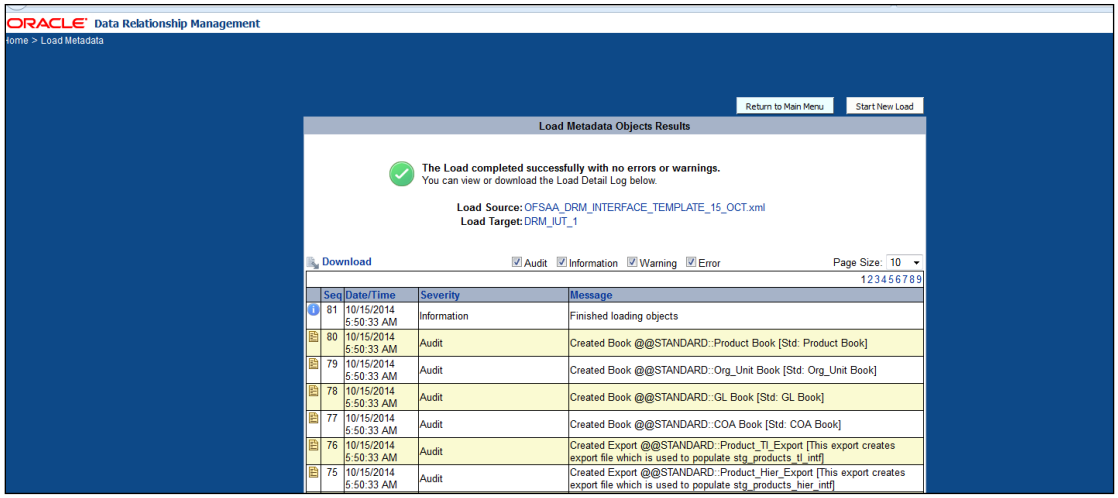
6. Verify the dependencies and click **Next**.



7. Verify the details and begin the import process by clicking **Run Load**.



8. Ensure that there are no errors in the import process



9. Login into the DRM application and check if all the imported objects are appearing. Deployment of the DRM Application template is complete.

3 Extraction of Generated Files

There are four DRM books, that is, one for each dimension, that are created to generate the delimited files. These files are copied to an agreed file share, post execution of the books. The mapping between the delimited extracted files (EDD) and OFSAA staging tables (ADI) are predefined in the DRM connectors. Refer to the file DRM EDD to ADI Mapping for more details.

4 Mapping the OFSAA User to DRM User Groups

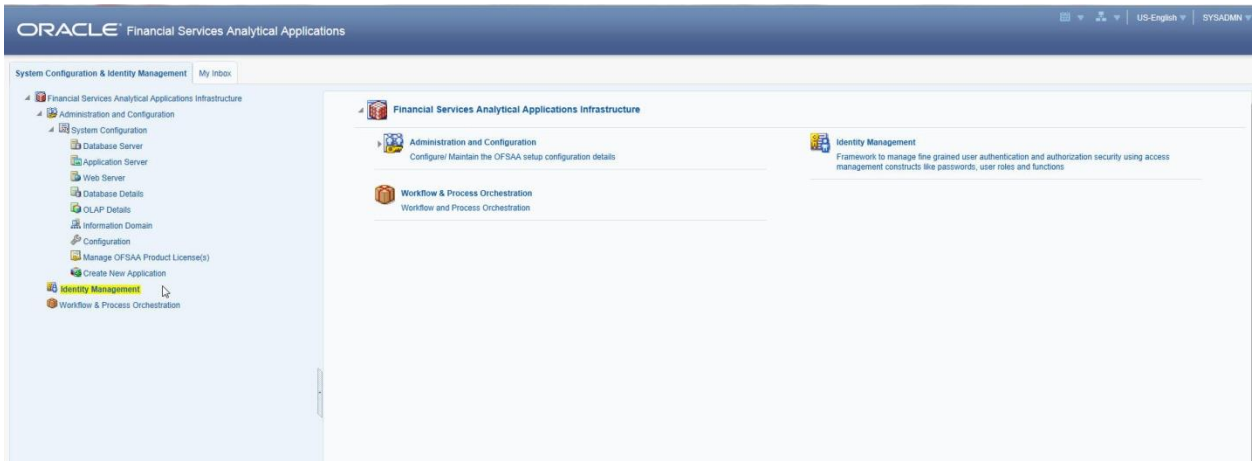
User group mapping enables you to map user(s) to specific user group, which in turn is mapped to a specific Information Domain and role. Every User Group mapped to the infodom should be authorized. Else, it cannot be mapped to users.

User Group Map screen displays fields such as **User ID**, **Name**, and the corresponding **Mapped Groups**. You can view and modify the existing mappings within the **User Group Maintenance** screen.

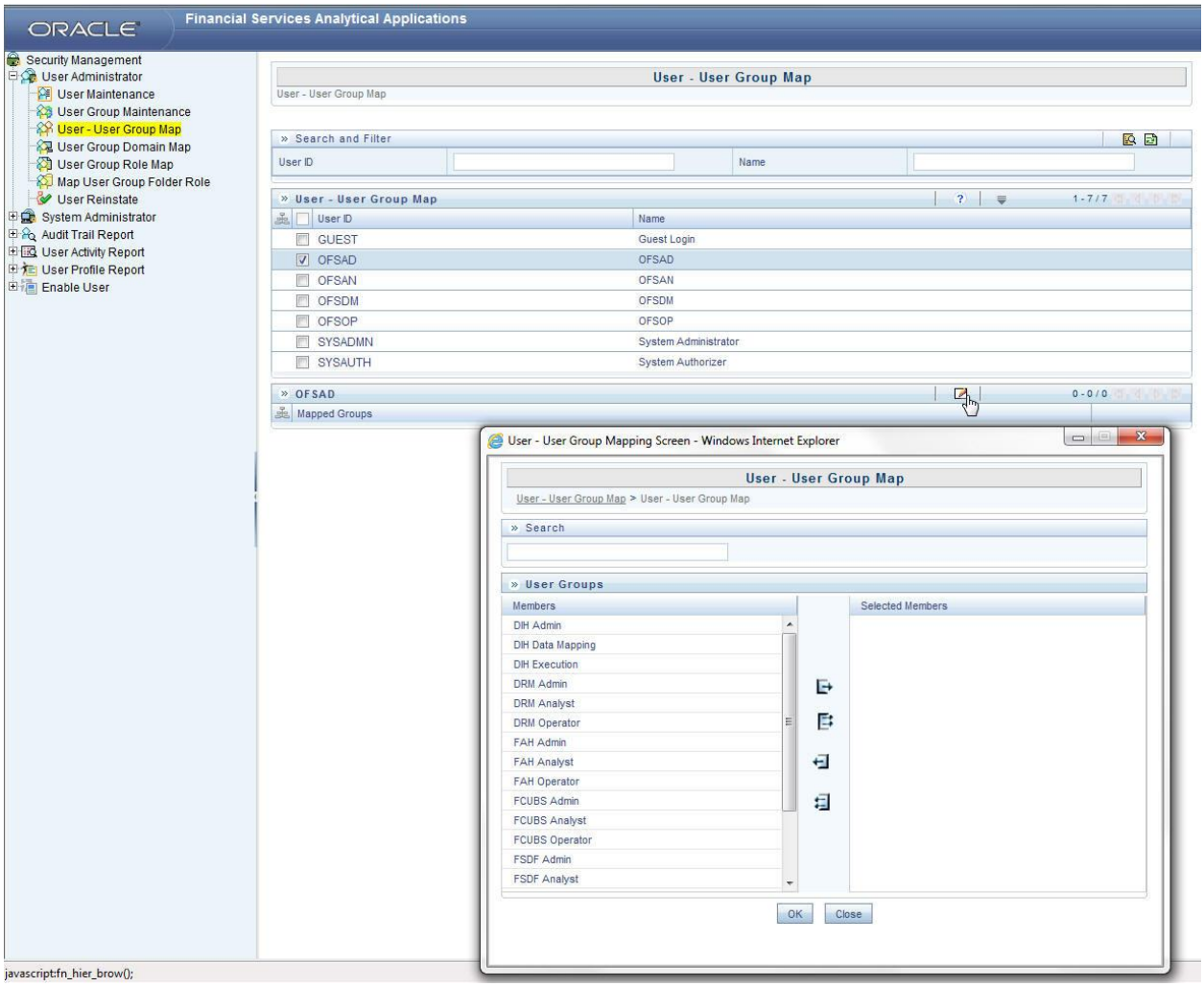
To access User Group Mapping navigate to, and click Identity Management section. For details on mapping user to user groups refer to *OFSAAI User Guide* in OHC documentation library.

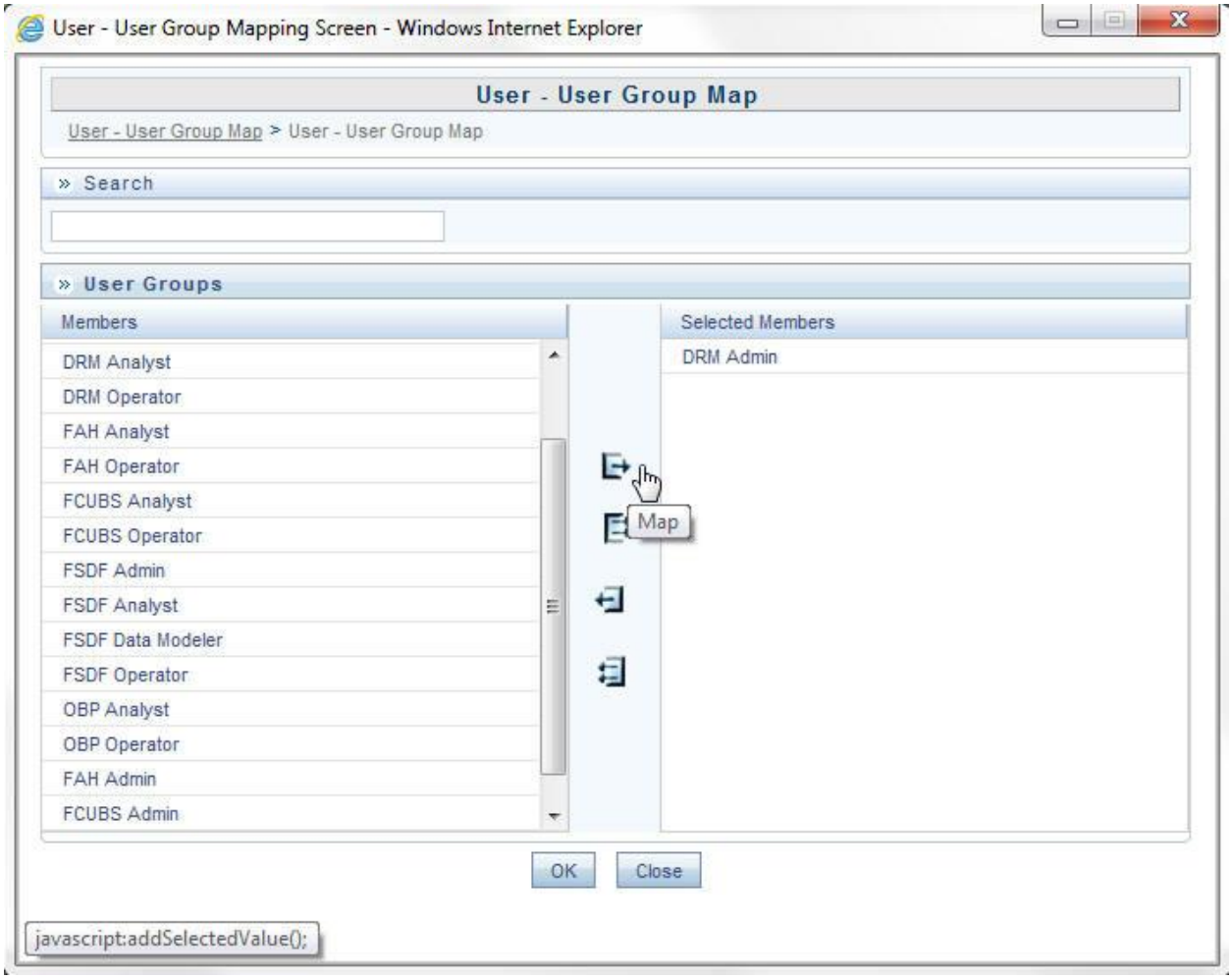
Seeded User Groups for OFSAA - DRM Interface

Name	Description
DRM Admin	User mapped to this group will have access to all the menu items for entire DRM Application. The exclusive menu's which are available only to this group users are *DRM Administration*
DRM Data Mapping	User mapped to this group will have access to DRM Data Mapping Menu
DRM Operator	User mapped to this group will have access to Orchestration and Execution Menu



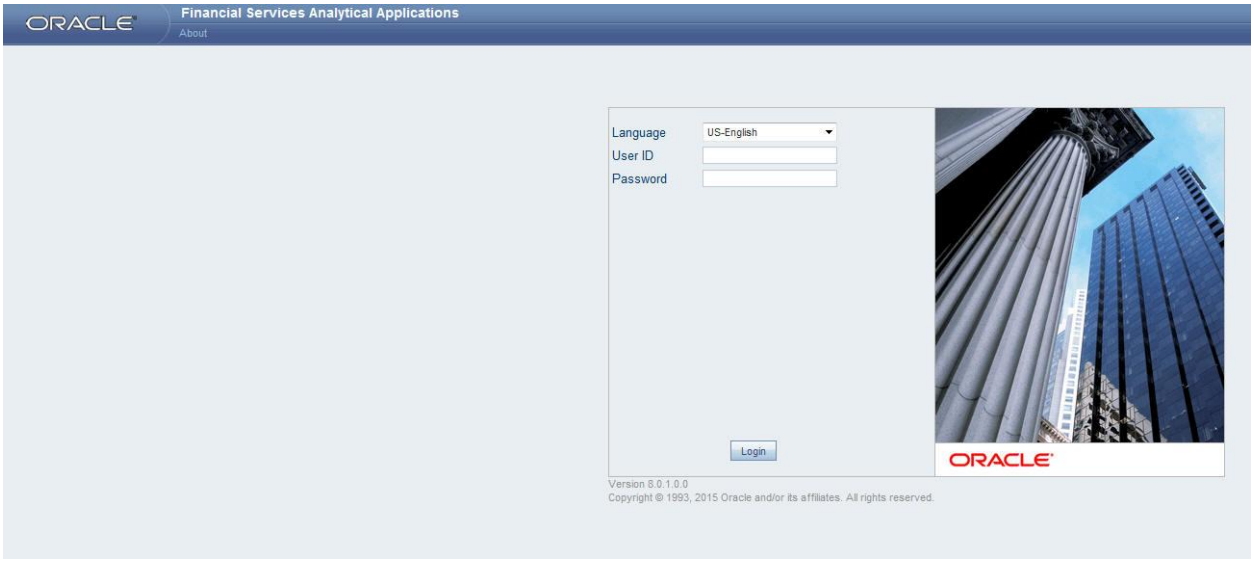
Identity Management


Financial Services Analytical Applications
Security Management
User Administrator
User Maintenance
User Group Maintenance
User - User Group Map
User Group Domain Map
User Group Role Map
Map User Group Folder Role
User Reinstate
System Administrator
Audit Trail Report
User Activity Report
User Profile Report
Enable User
User - User Group Map
User - User Group Map
Search and Filter
User ID
Name
User - User Group Map
1 - 7 / 7
User ID
Name
GUEST
Guest Login
OFSAD
OFSAD
OFSAN
OFSAN
OFSDM
OFSDM
OFSOP
OFSOP
SYSADMN
System Administrator
SYSAUTH
System Authorizer
OFSAD
0 - 0 / 0
Mapped Groups
User - User Group Mapping Screen - Windows Internet Explorer
User - User Group Map
User - User Group Map > User - User Group Map
Search
User Groups
Members
Selected Members
DIH Admin
DIH Data Mapping
DIH Execution
DRM Admin
DRM Analyst
DRM Operator
FAH Admin
FAH Analyst
FAH Operator
FCUBS Admin
FCUBS Analyst
FCUBS Operator
FSDF Admin
FSDF Analyst
OK
Close
javascript:fn_hier_brow();


User - User Group Mapping Screen - Windows Internet Explorer
User - User Group Map
User - User Group Map > User - User Group Map
» Search
» User Groups
Members
DRM Analyst
DRM Operator
FAH Analyst
FAH Operator
FCUBS Analyst
FCUBS Operator
FSDF Admin
FSDF Analyst
FSDF Data Modeler
FSDF Operator
OBP Analyst
OBP Operator
FAH Admin
FCUBS Admin
Selected Members
DRM Admin
Map
OK
Close
javascript:addSelectedValue();

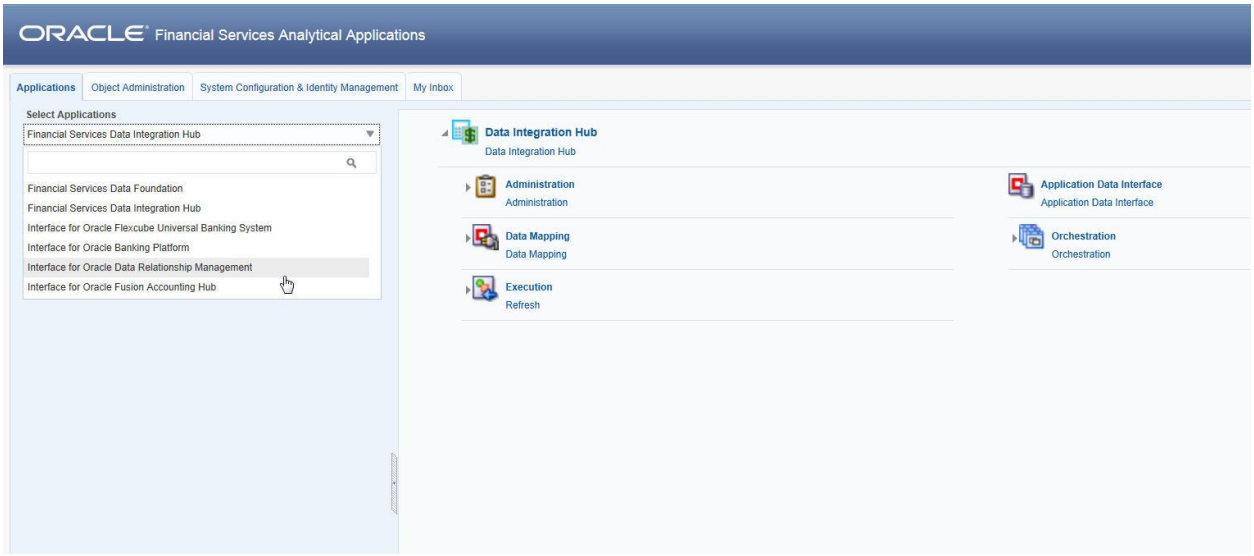
5 Logging into DRM-OFSAA Interface

Access the DRM-OFSAA Interface using your login credentials (User ID and password). The built-in security system ensures that you are permitted to access the window and actions based on the authorization only.

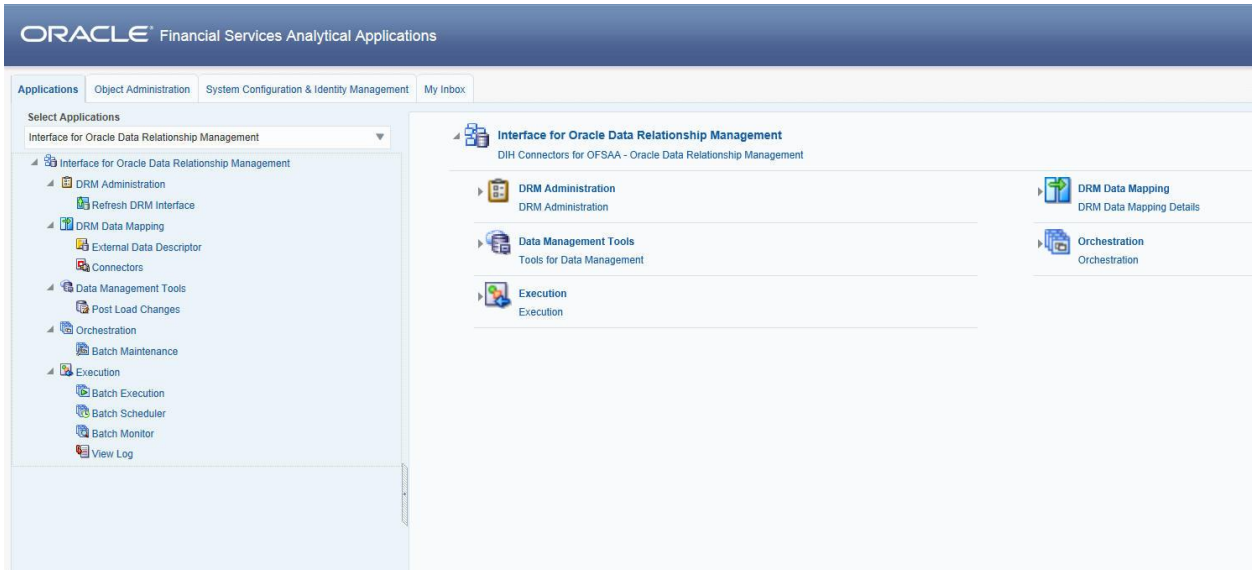


After logging into the application, select ***Interface for Oracle Data Relationship Management*** from the applications drop-down list.

Note: You should be mapped at least any one of the DRM user groups in order to get the application in the drop down.



The DRM -OFSAA landing page is displayed below.


ORACLE Financial Services Analytical Applications
Applications
Object Administration
System Configuration & Identity Management
My Inbox
Select Applications
Interface for Oracle Data Relationship Management
Interface for Oracle Data Relationship Management
DRM Administration
Refresh DRM Interface
DRM Data Mapping
External Data Descriptor
Connectors
Data Management Tools
Post Load Changes
Orchestration
Batch Maintenance
Execution
Batch Execution
Batch Scheduler
Batch Monitor
View Log
Interface for Oracle Data Relationship Management
DIH Connectors for OFSAA - Oracle Data Relationship Management
DRM Administration
DRM Administration
DRM Data Mapping
DRM Data Mapping Details
Data Management Tools
Tools for Data Management
Orchestration
Orchestration
Execution
Execution

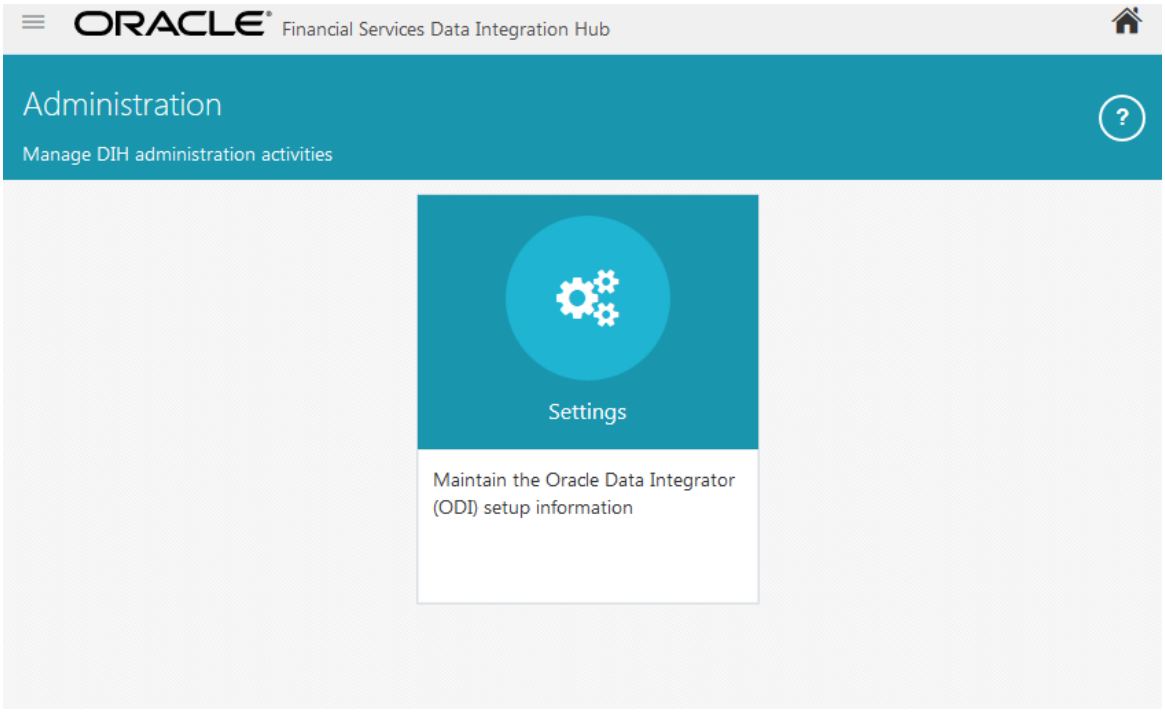
6 Prerequisites for Deploying OFSAA-DRM Connectors

The deployment process requires the below actions to be performed as prerequisites. Ensure that these requirements are met before starting the deployment using Refresh DRM interface menu.

- The user must be mapped to the user group **DRM Admin** in order to get the Refresh DRM Interface menu.
- The user should have mapped to **DIH Admin** and **DIH Data Mapping** user groups to configure the Oracle Data Integrator (ODI) settings and External Data Store respectively.

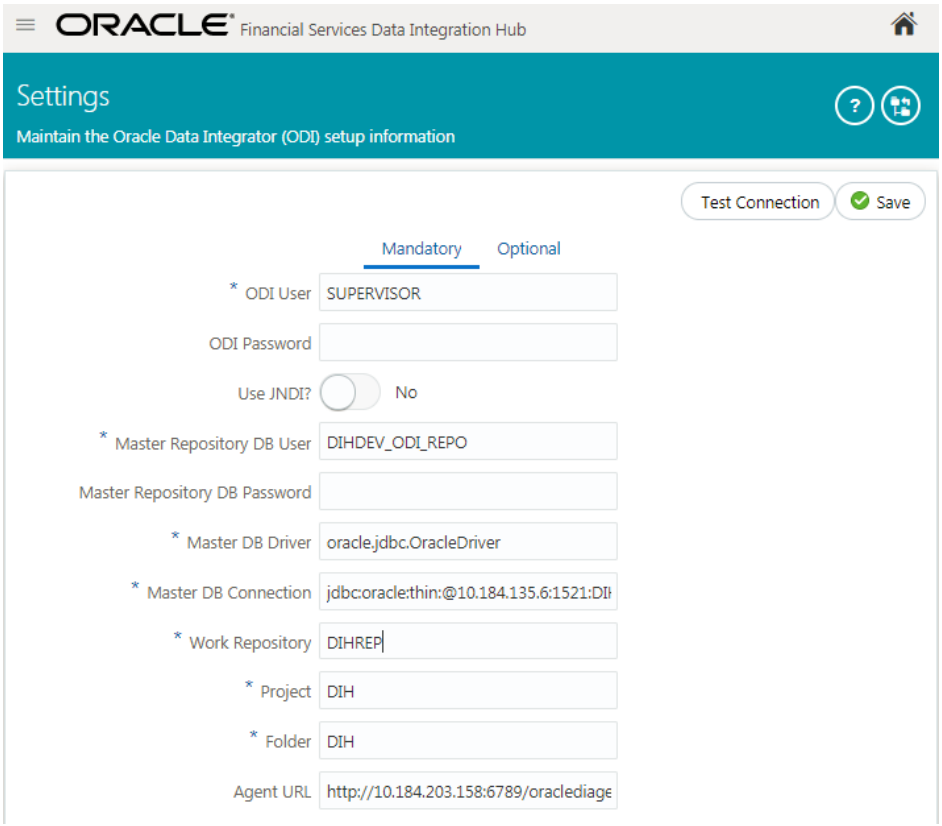
To deploy OFSAA-DRM Connectors, perform the following steps:

1. Complete the ODI settings using **Settings** option in **DIH Application Administration** menu before deploying the interface.
2. Click Settings in Administration screen**.**

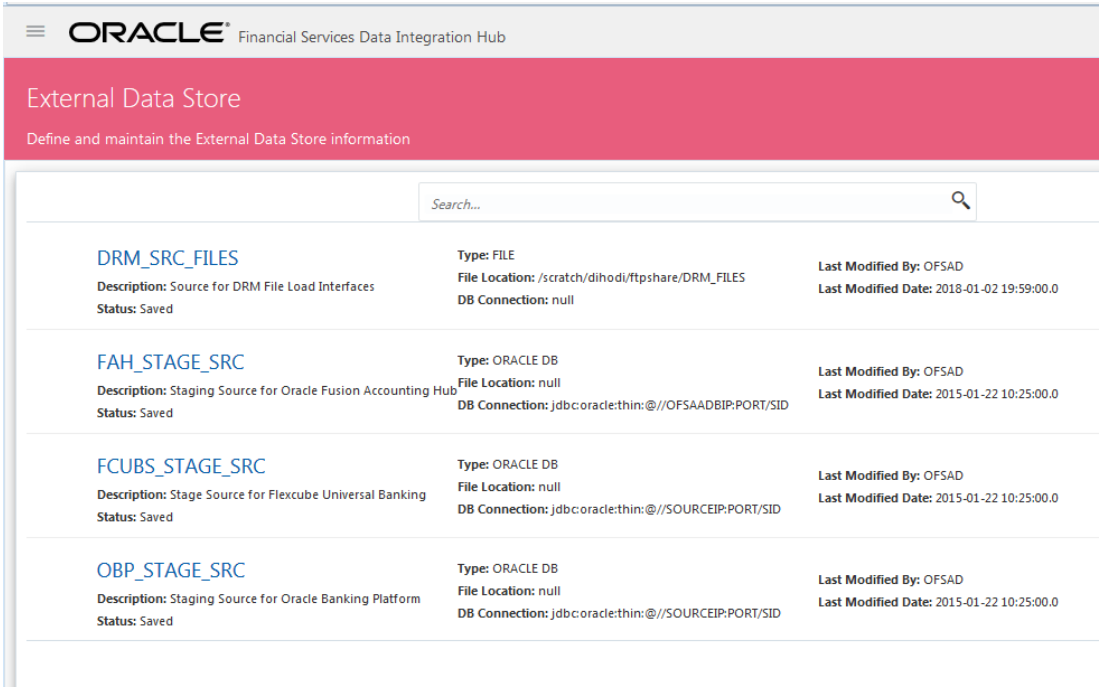


3. The ODI settings screen is displayed. Update the setting information correctly before proceeding to the deployment of DRM interface connectors.

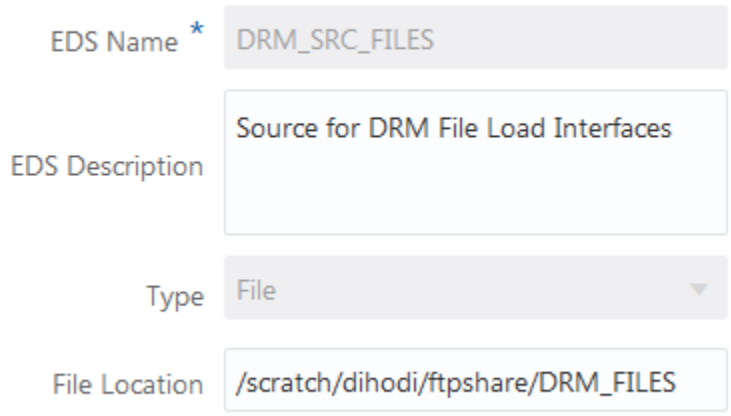
Settings Menu	Values Required	Example
ODI User	User Name used for Login to ODI	SUPERVISOR
ODI Password	ODI Password for the ODI user to login	odipassword
Master Repository DB User	Master Repository DB Schema User Name created for ODI	DIHDEV_ODI_REPO
Master Repository DB Password	Master Repository DB Schema Password	dbpassword
Master DB Driver	Oracle Driver (Use the Default)	oracle.jdbc.OracleDriver
Master DB Connection	Oracle Database JDBC URL	jdbc:oracle:thin:@10.184.135.6:1521:DIHDB
Work Repository	Repository used inside ODI	DIHREP



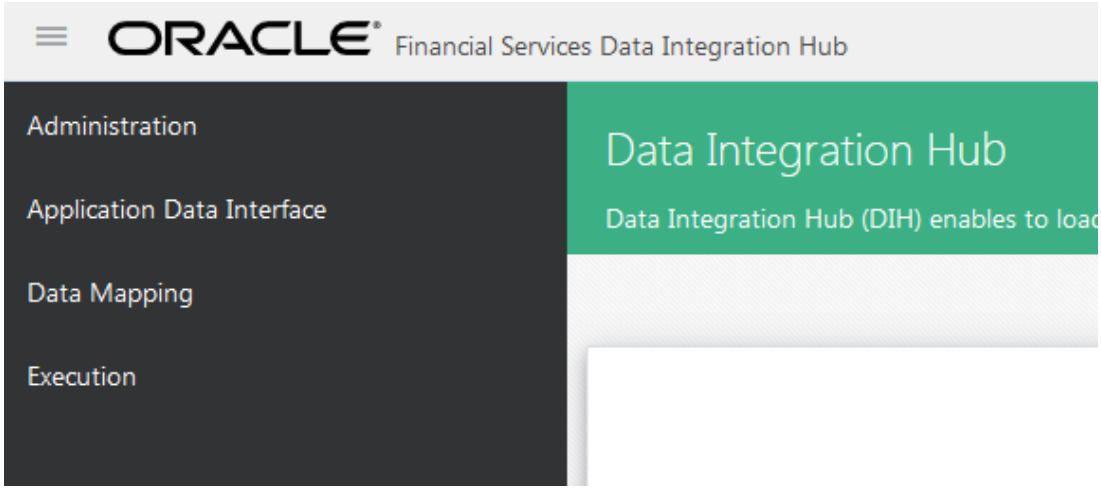
4. A source named **DRM_SRC_FILES** is present in **External Data Store** under **DIH Application**. Select the entry which is present as **DRM_SRC_FILES** to **Edit.**



5. Enter the location path of the DRM files. The Path should be in the same sever where the ODI is installed and configured. Refer to DIH User Manual for more details on External Data Store File settings.



6. Navigate to **DIH Application**, and then click **Menu.**

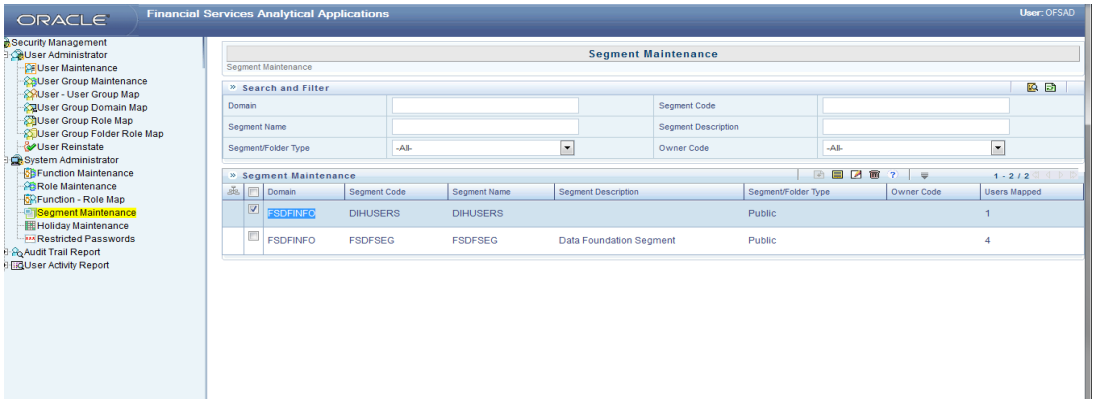


7. Click **Application Data Interface**.
8. On the Data Integration home page, click **Refresh ADI.**
9. Click **Start** icon. This refreshes all the Application Data Interfaces, and creates the Application Data Interfaces for all the staging tables present in the model which is being uploaded in the same Infodom.

10. Navigate to **DIH Application**, and then click **Menu**.
11. Click **Application Data Interface**.
12. On the Data Integration home page, click **Target Datastore Refresh.**
13. Click on **Start** icon. This refreshes all available target data stores.

14. **For Version 11.1.2.3/11.1.2.4 - 8.0.5.0.0 (Exclusively):**

    Create a segment by name "DIHUSERS" with public type and map it to the DRM User


Financial Services Analytical Applications
User: OFSAD
Security Management
User Administrator
User Maintenance
User Group Maintenance
User - User Group Map
User Group Domain Map
User Group Role Map
User Group Folder Role Map
User Reinstate
System Administrator
Function Maintenance
Role Maintenance
Function - Role Map
Segment Maintenance
Holiday Maintenance
Restricted Passwords
Audit Trail Report
User Activity Report
Segment Maintenance
Segment Maintenance
Search and Filter
Domain
Segment Code
Segment Name
Segment Description
Segment/Folder Type
-All-
Owner Code
-All-
Segment Maintenance
1 - 2 / 2
Domain
Segment Code
Segment Name
Segment Description
Segment/Folder Type
Owner Code
Users Mapped
FSDFINFO
DIHUSERS
DIHUSERS
Public
1
FSDFINFO
FSDFSEG
FSDFSEG
Data Foundation Segment
Public
4

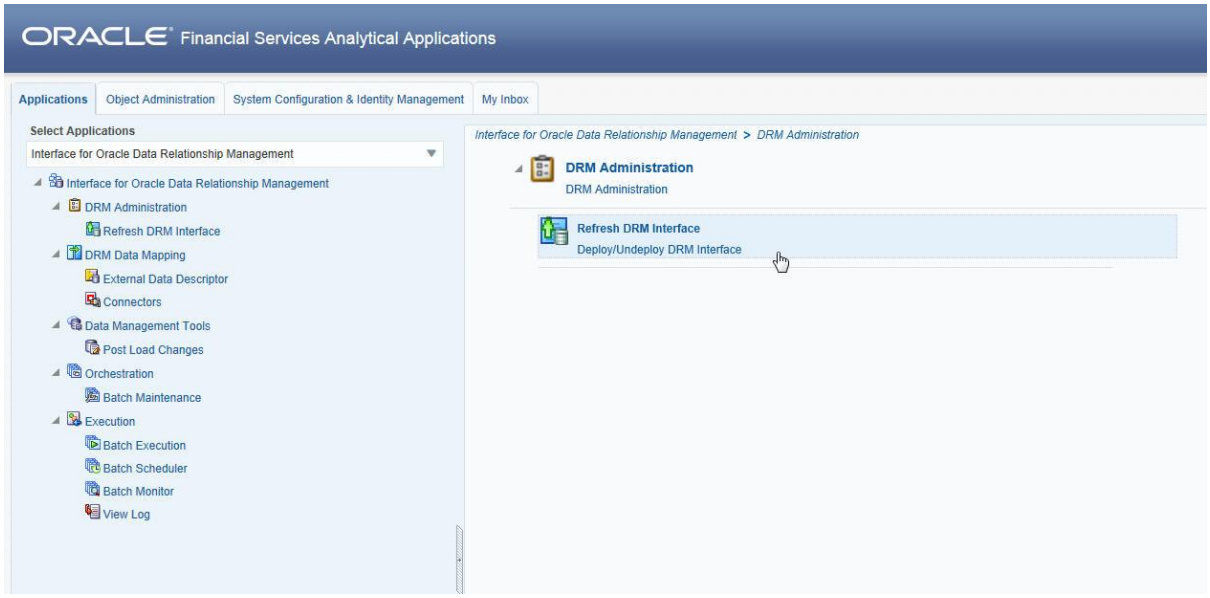
7 Deploying OFSAA-DRM Connectors Using Refresh DRM Interface Menu

After the pre-requisites are complete, you can deploy the DRM connectors that map the multiple file EDD's to the corresponding ADI's, by using **Refresh DRM Interface** menu. This creates the corresponding External Data Descriptor and Connectors inside **Data Mapping** menu of the DRM Interface.

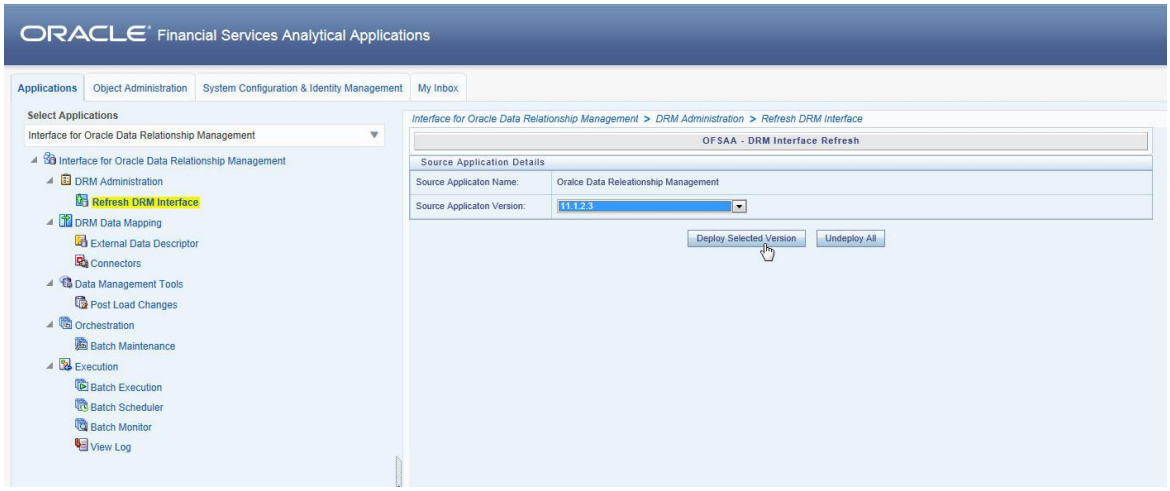
Note: You cannot deploy old version on top of new version once undeployed. However, you can deploy new version on top of old existing version

7.1 Deploying Version - 11.1.2.3

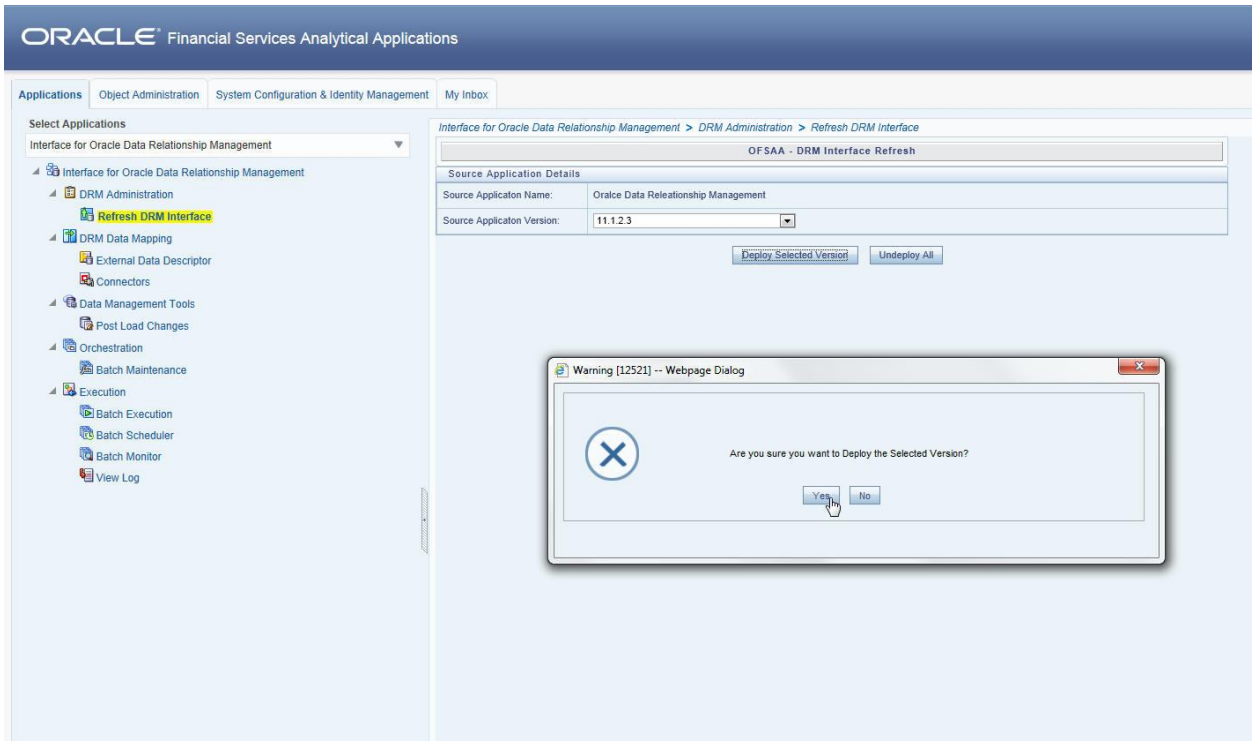
1. Navigate to the DRM application interface.
2. Select **Administration,** and click **Refresh DRM Interface.**



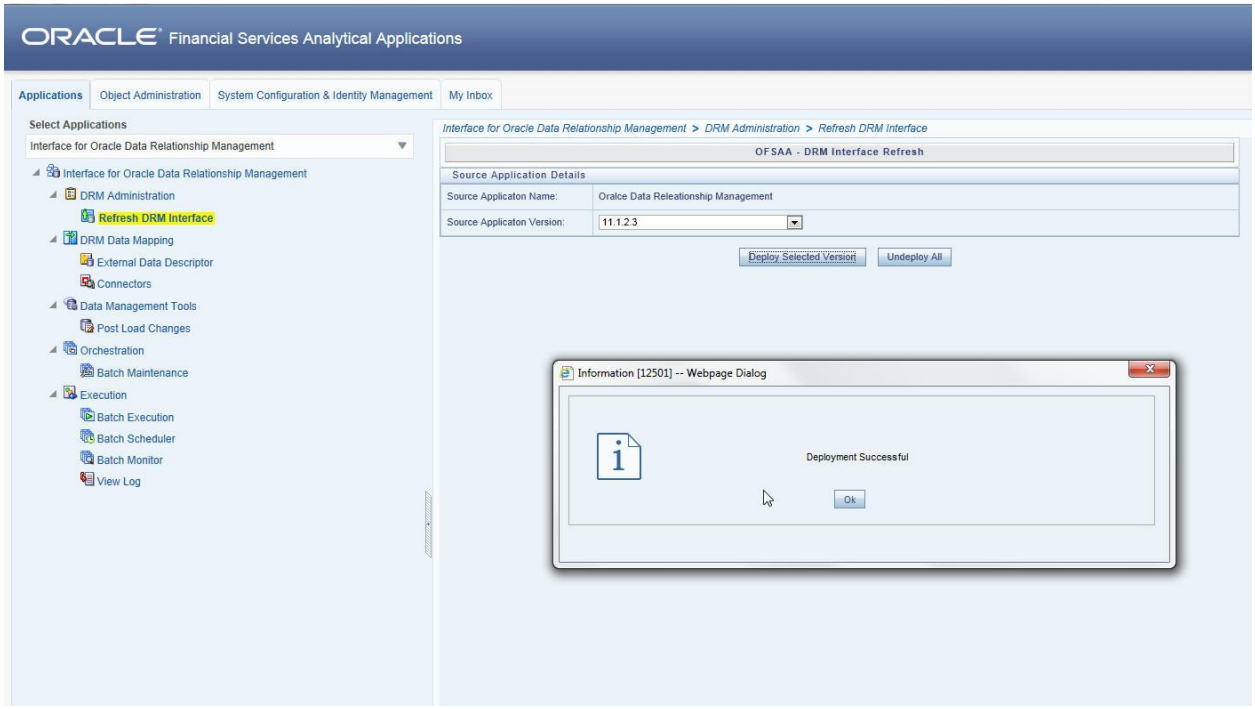
3. Select the **Source App Version** (DRM Version 11.1.2.3) from the drop-down menu.
4. Click **Deploy Selected Version**



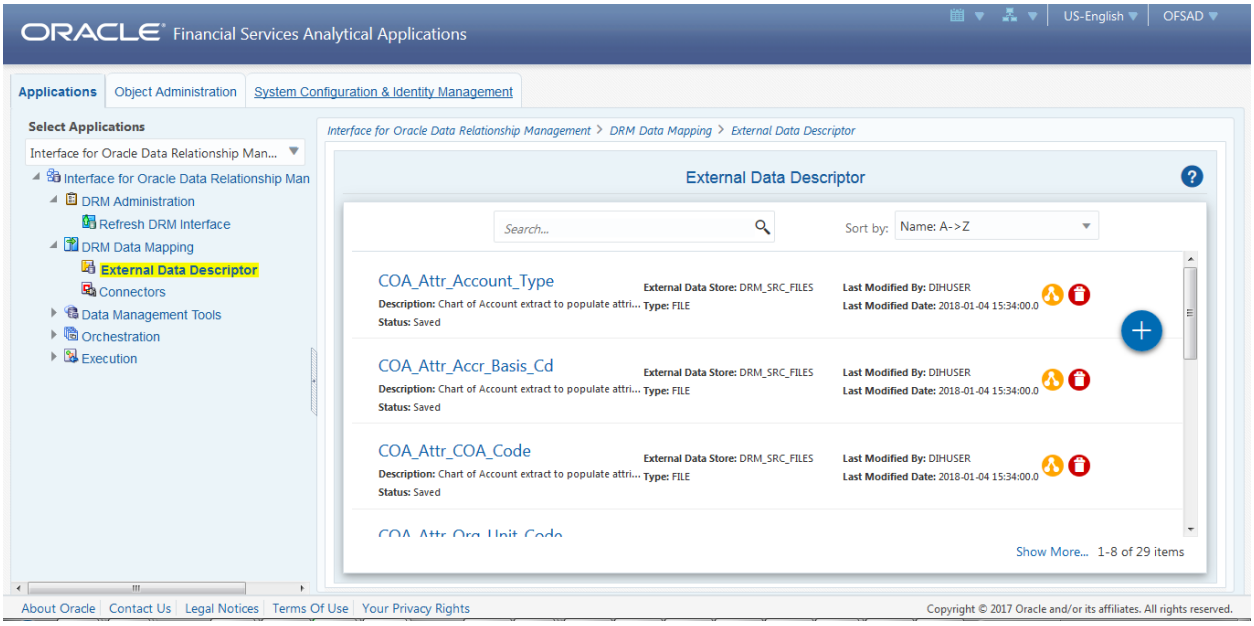
5. A message "*Are you sure you want to Deploy the Selected Version?*" is displayed. Click *Yes* to proceed.



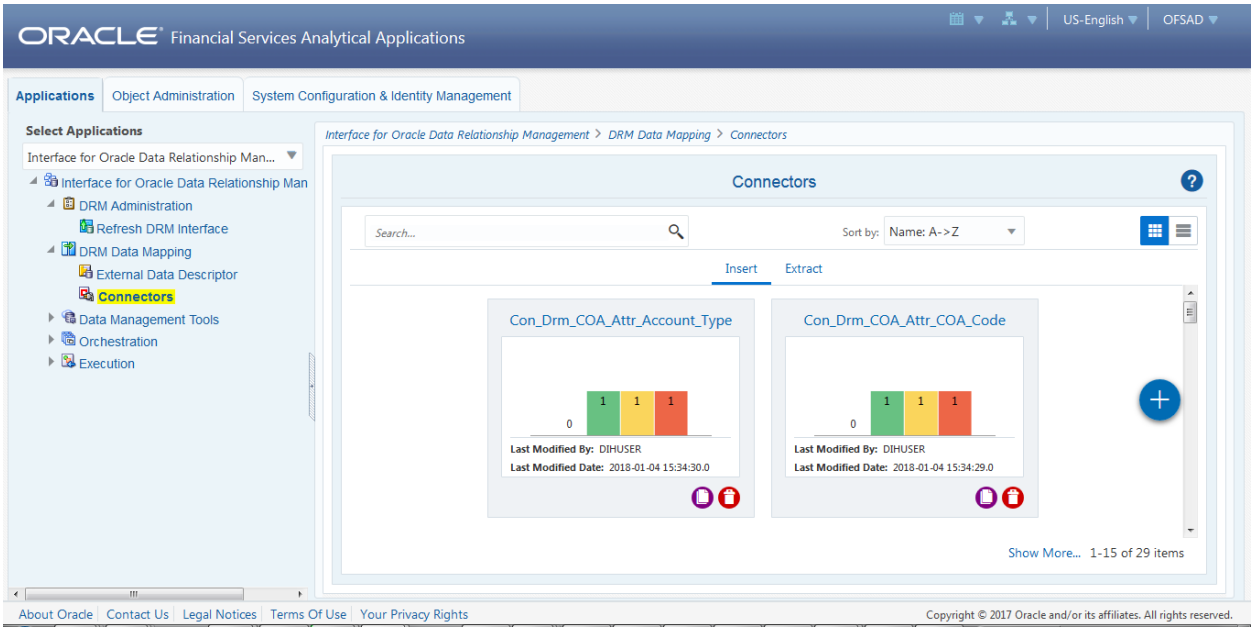
After the deployment is complete, the *"Deployment Successful"* message is displayed.



6. Navigate to **External Data Descriptor** and **Connectors** under **DRM Data Mapping** for checking the deployed EDDs, Connectors and the Mappings.



DRM External Data Descriptor



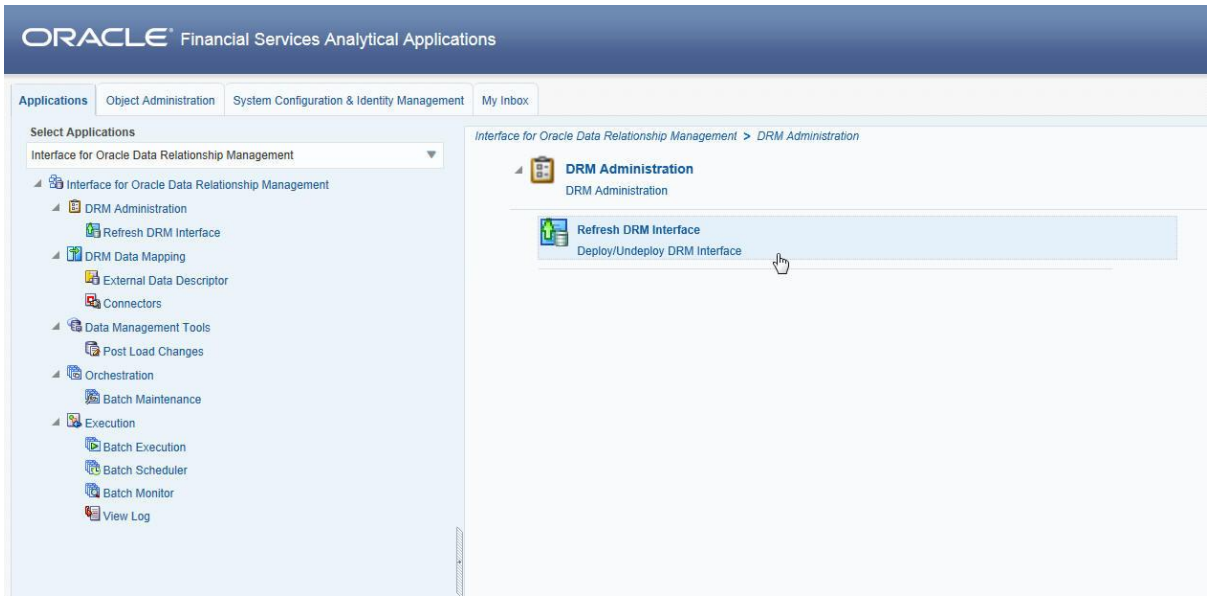
DRM Connectors

The following are the DRM EDD/Connectors deployed in this version:

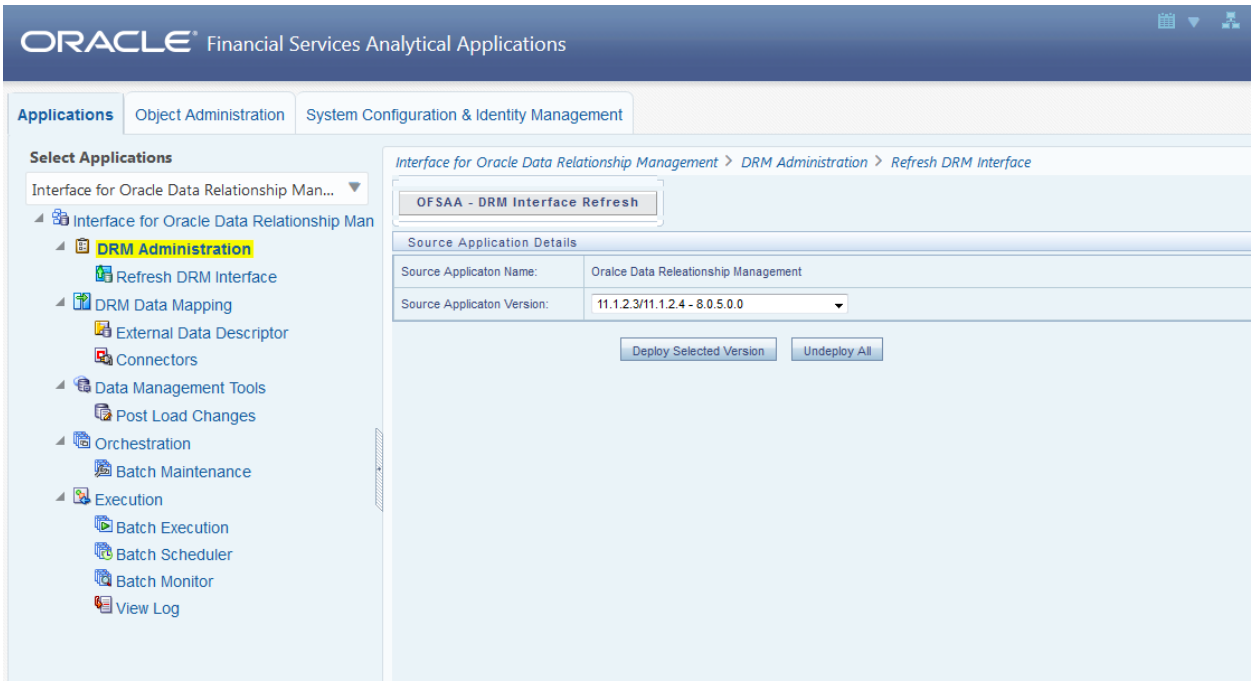
Version - 11.1.2.3		
EDD	**Connectors**	**Source File Name**
COA_Attr_COA_Code	Con_Drm_COA_Attr_COA_Code	COA_Attr_COA_Code.txt
COA_Attr_Account_Type	Con_Drm_COA_Attr_Account_Type	COA_Attr_Account_Type.txt
COA_Attr_Accr_Basis_Cd	Con_Drm_COA_Attr_Label_Accrual	COA_Attr_Accr_Basis_Cd.txt
COA_Attr_Org_Unit_Code	Con_Drm_COA_Attr_Label_OrgID	COA_Attr_Org_Unit_Code.txt
COA_Attr_Rollup_Sign	Con_Drm_COA_Attr_Label_Rollup	COA_Attr_Rollup_Sign.txt
COA_B	Con_Drm_COA_B	COA_B.txt
COA_Hier	Con_Drm_COA_Hier	COA_Hier.txt
COA_Tl	Con_Drm_COA_Tl	COA_Tl.txt
GL_Attr_Accr_Basis_Cd	Con_Drm_GL_Attr_Accrual	GL_Attr_Accr_Basis_Cd.txt
GL_Attr_COA_Code	Con_Drm_GL_Attr_COA_ID	GL_Attr_COA_Code.txt
GL_Attr_GL_Code	Con_Drm_GL_Attr_GL_Code	GL_Attr_GL_Code.txt
GL_Attr_Org_Unit_Code	Con_Drm_GL_Attr_Org_ID	GL_Attr_Org_Unit_Code.txt
GL_Attr_Rollup_Sign	Con_Drm_GL_Attr_Rollup	GL_Attr_Rollup_Sign.txt
GL_B	Con_Drm_GL_B	GL_B.txt
GL_Hier	Con_Drm_GL_Hier	GL_Hier.txt
GL_Tl	Con_Drm_GL_Tl	GL_Tl.txt
Org_B	Con_Drm_Org_Unit_Org_Code_Attr	Org_B.txt
Org_Hier	Con_Drm_Org_Unit_OrgID_Attr	Org_Hier.txt
Org_Attr_Org_Unit_Cd	Con_Drm_Org_Unit_B	Org_Attr_Org_Unit_Cd.txt
Org_Attr_Offset_Org_ID	Con_Drm_Org_Unit_Hier	Org_Attr_Offset_Org_ID.txt
Org_Tl	Con_Drm_Org_Unit_Tl	Org_Tl.txt
Prod_Attr_Accr_Basis_Cd	Con_Drm_Prod_Attr_Accr_Basis	Prod_Attr_Accr_Basis_Cd.txt
Prod_Attr_COA_Code	Con_Drm_Product_Attr_COA_ID	Prod_Attr_COA_Code.txt
Prod_Attr_Offset_Org_ID	Con_Drm_Prod_Attr_Offset_OrgID	Prod_Attr_Offset_Org_ID.txt
Prod_Attr_Product_Code	Con_Drm_Prod_Attr_Product_Code	Prod_Attr_Product_Code.txt
Prod_Attr_Rollup_Sign	Con_Drm_Prod_Attr_Rollup_Sign	Prod_Attr_Rollup_Sign.txt
Product_B	Con_Drm_Product_B	Product_B.txt
Product_Hier	Con_Drm_Product_Hier	Product_Hier.txt
Product_TL	Con_Drm_Product_TL	Product_TL.txt

7.2 Deploying Version - 11.1.2.3/11.1.2.4 – 8.0.5.0.0

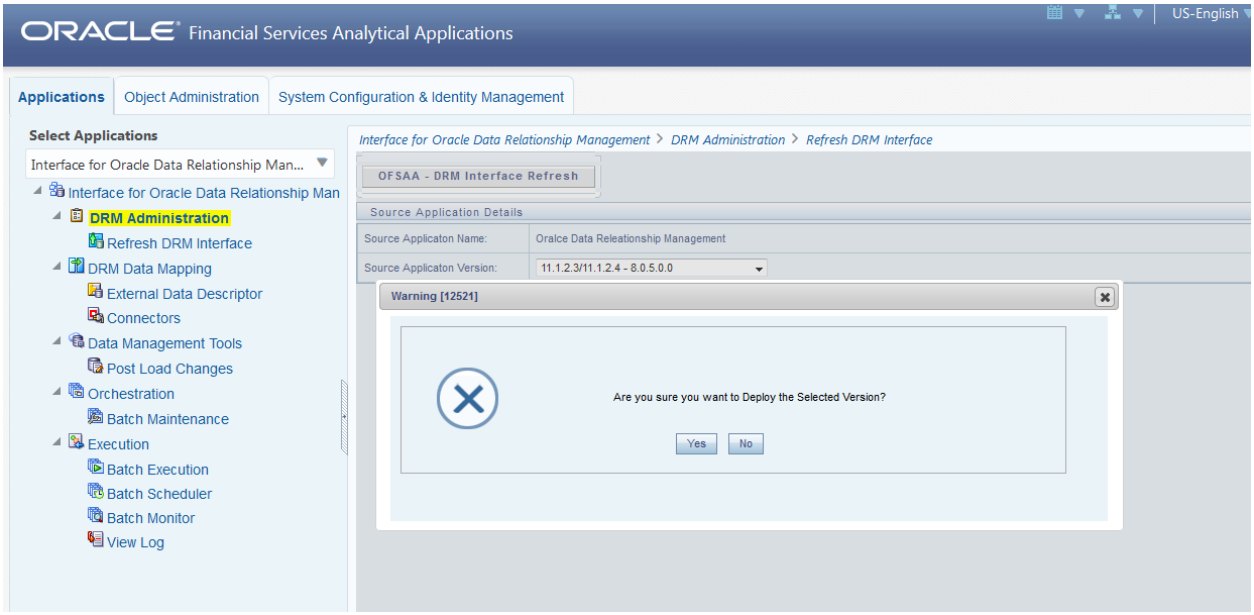
1. Navigate to the DRM application interface.
2. Select **Administration,** and click **Refresh DRM Interface.**



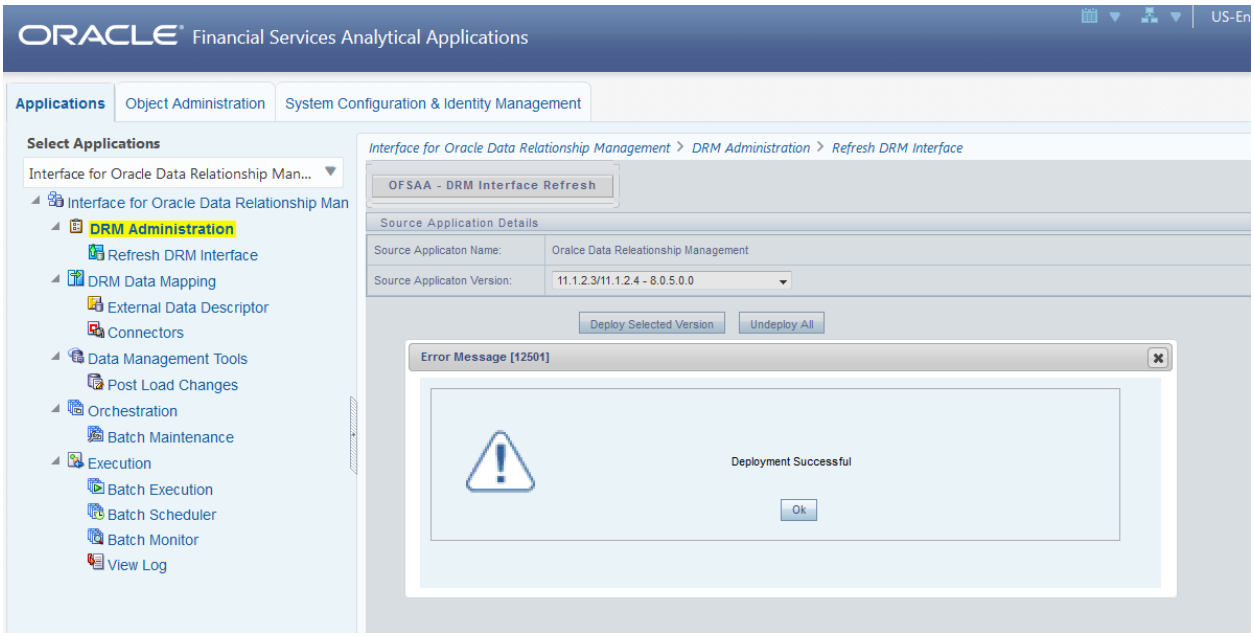
3. Select the **Source App Version** (11.1.2.3/11.1.2.4 - 8.0.5.0) from the drop-down menu.
4. Click **Deploy Selected Version**.



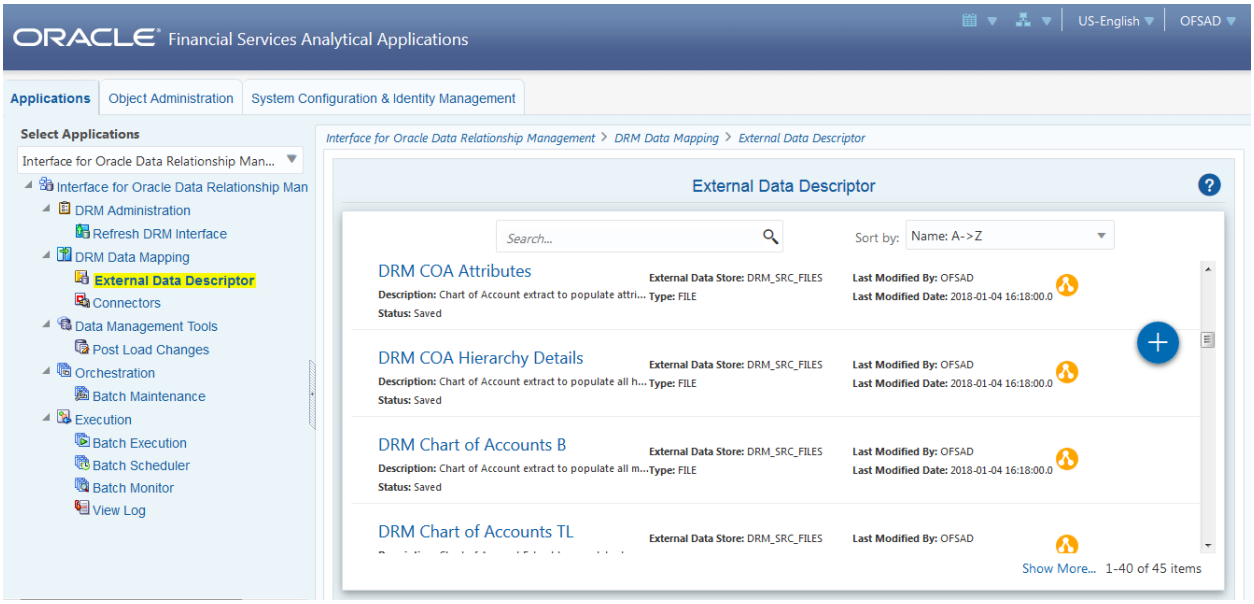
5. A message "*Are you sure you want to Deploy the Selected Version?*" is displayed. Click *Yes* to proceed.



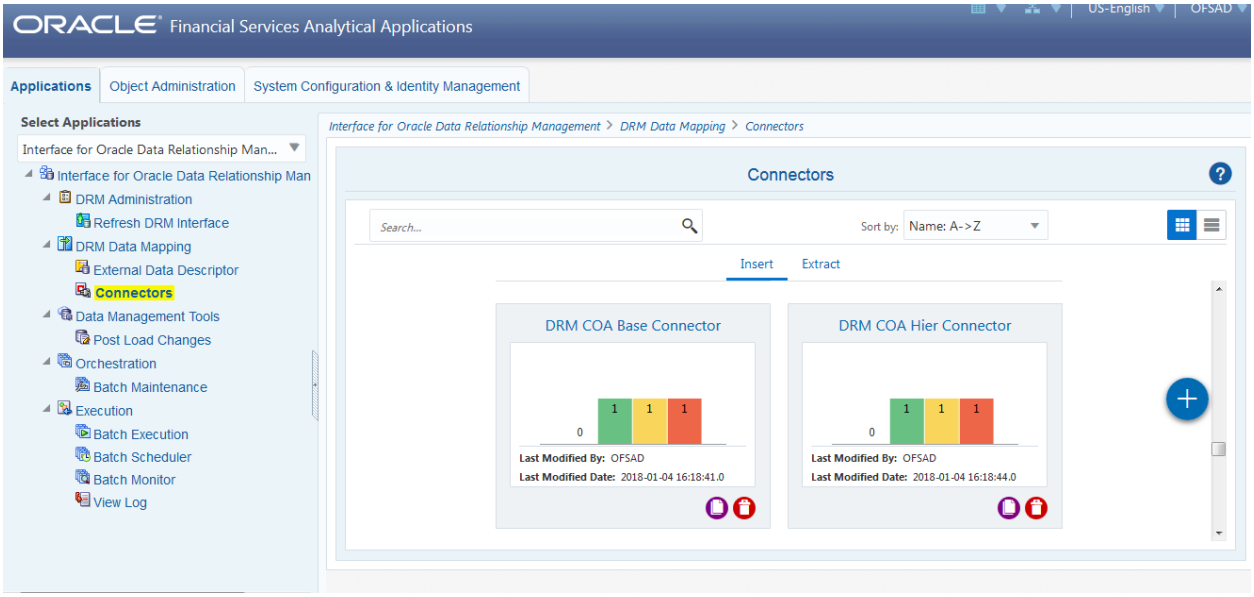
After the deployment is complete, the *"Deployment Successful"* message is displayed.



6. Navigate to **External Data Descriptor** and **Connectors** under **DRM Data Mapping** for checking the deployed EDDs, Connectors and the Mappings.



DRM External Data Descriptor

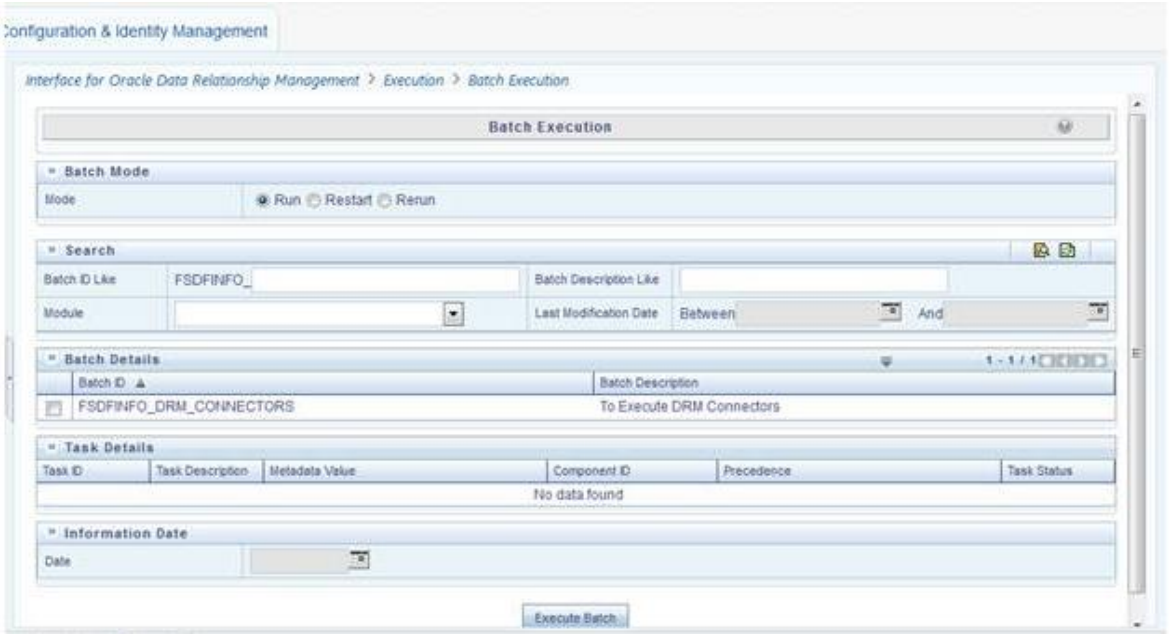


DRM Connectors

The following are the DRM EDD/Connectors deployed in this version and corresponding Source File Names:

Version - 11.1.2.3/11.1.2.4 - 8.0.5.0.0		
EDD	**Connectors**	**Source File Name**
DRM COA Attributes	DRM COA Attributes Connector	COA_attributes_export.txt
DRM Chart of Accounts B	DRM COA Base Connector	COA_B_export.txt
DRM COA Hierarchy Details	DRM COA Hier Connector	COA_Hier_export.txt
DRM Chart of Accounts TL	DRM COA Translation Connector	COA_Tl_export.txt
DRM GL Attributes	DRM GL Attributes Connector	GL_attributes_export.txt
DRM General Ledger B	DRM GL Base Connector	GL_B_export.txt
DRM GL Hierarchy Details	DRM GL Hier Connector	GL_Hier_export.txt
DRM General Ledger TL	DRM GL Translation Connector	GL_Tl_export.txt
DRM Org Unit Attributes	DRM Org Attributes Connector	Org_unit_attributes_export.txt
DRM Org Unit B	DRM Org Base Connector	Org_Unit_B_export.txt
DRM Org Unit Hierarchy Details	DRM Org Hier Connector	Org_Unit_Hier_export.txt
DRM Org Unit TL	DRM Org Translation Connector	Org_Unit_Tl_export.txt
DRM Product Attributes	DRM Prod Attributes Connector	Product_attributes_export.txt
DRM Product B	DRM Prod Base Connector	Product_B_export.txt
DRM Prod Hierarchy Details	DRM Prod Hier Connector	Product_Hier_export.txt
DRM Product TL	DRM Prod Translatn Connector	Product_Tl_export.txt

7. Predefined batch <INFODOM>_DRM_CONNECTORS is created to execute the set of connectors in this version.



8 Undeploying OFSAA-DRM Connectors Using Refresh DRM Interface Menu

You can use the **Undeploy All** button to undeploy the connectors. Use the undeploying feature in the following scenarios.

8.1 Deploying Upgraded Source Version

If there is an upgraded source application (DRM) available, you can undeploy the existing version of the connector if you do not want to retain them, and redeploy the same by selecting the available upgraded source version. The current available source version for DRM connector supports DRM Version 11.1.2.3 and 11.1.2.3/11.1.2.4 – 8.0.5.0.0

Note: You cannot deploy old version on top of new version once old version is undeployed. However, you can deploy new version on top of old version and retain both the versions. And you can undeploy any of the versions by selecting them individually.

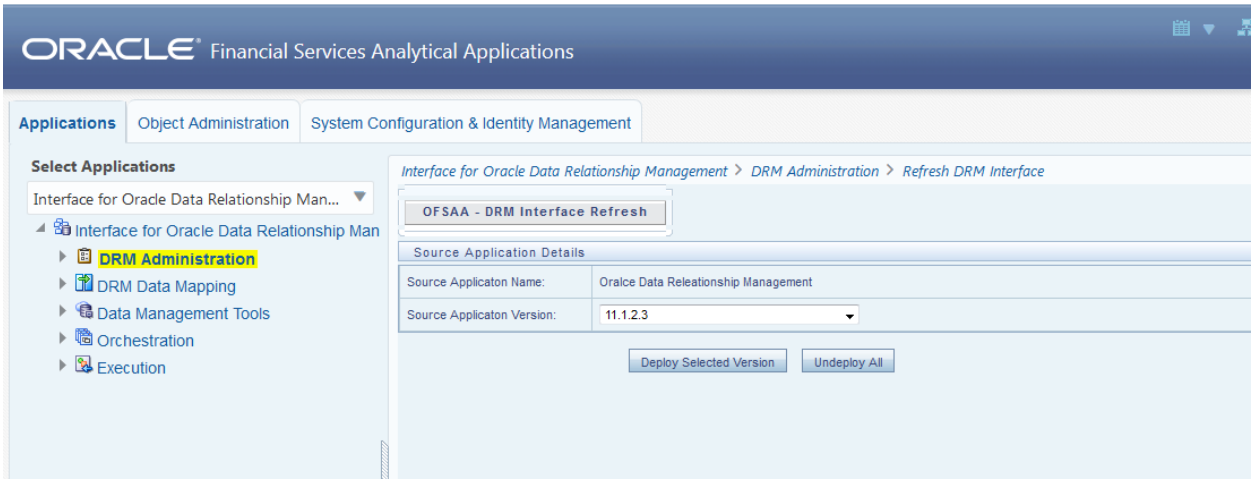
8.2 Changes in ODI / External Data Store Settings

If there is a change in the ODI/ External Data Store settings, then you can undeploy the connectors. Modify the settings and redeploy to obtain the latest connector settings.

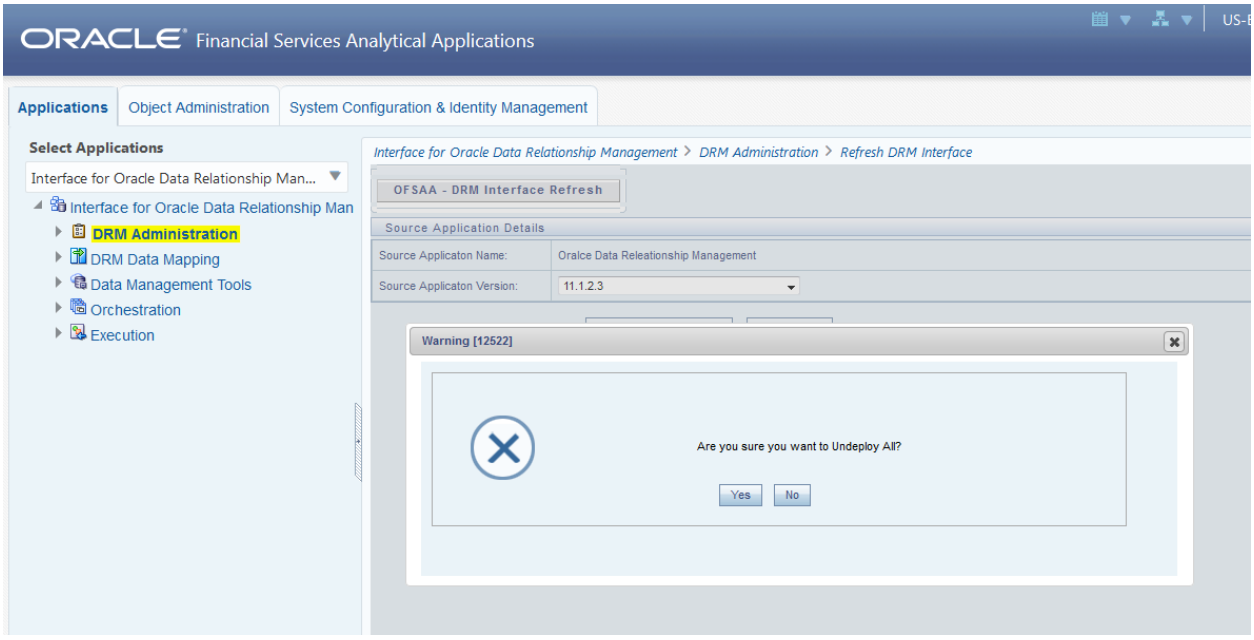
Note: You cannot undeploy the connectors if any of the Connector/External Data Descriptor is in published mode. Unpublish all the Connector/External Data Descriptor before proceeding with undeployment.

To undeploy, perform the following steps:

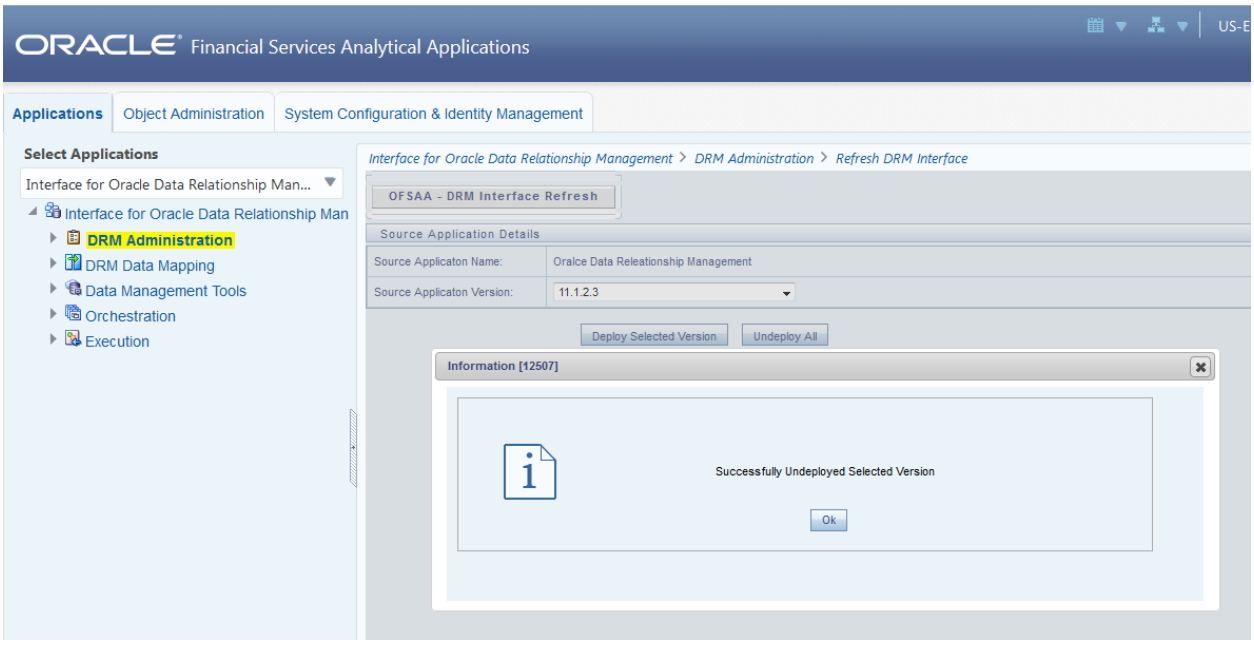
1. Select Source Application Version and then click Undeploy All to undeploy the Connector version.



2. A message "*Are you sure you want to Undeploy All?*" is displayed. Click *Yes* to proceed.



3. After the undeployment is complete, the *"Successfully Deployed All"* message is displayed.



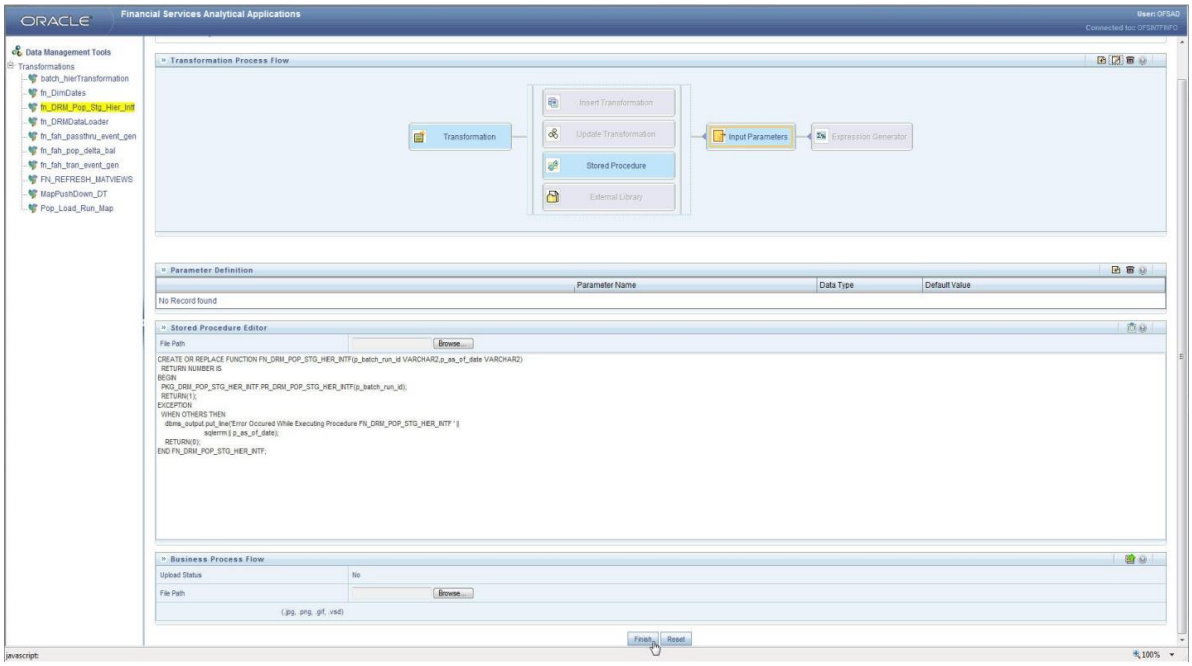
9 Publishing OFSAA-DRM Connectors to ODI environment through DIH

Once the pre-defined DRM connectors are deployed, they need to be published through either the **Connectors** under **DRM Data Mapping** of **DRM Application** Menu or through the **Publish All** under **Administration** menu of **DIH Application**. This creates the corresponding interfaces in Oracle Data Integrator Repository. The interfaces are then executed to load the data from the delimited files into the target staging tables. For more information on How to Publish a connector, refer OFSAA – Data Integration Hub user guide.

10 Populating STG_HIERARCHIES_INTF Table Using *fn_DRM_Pop_Stg_Hier_Intf* Post Load Changes Data Transformation

After pre-defined DRM connectors are published and executed to load the data from the delimited files into the target staging tables, you can use Data Transformation **fn_DRM_Pop_Stg_Hier_Intf** to populate the OFSAA table **STG_HIERARCHIES_INTF**. This table is used for Populating the dimension tables in multiple application packs.

There is one seeded batch **<INFODOM>_POP_DRM_STG_HIER_INTF** for the same data transformation.



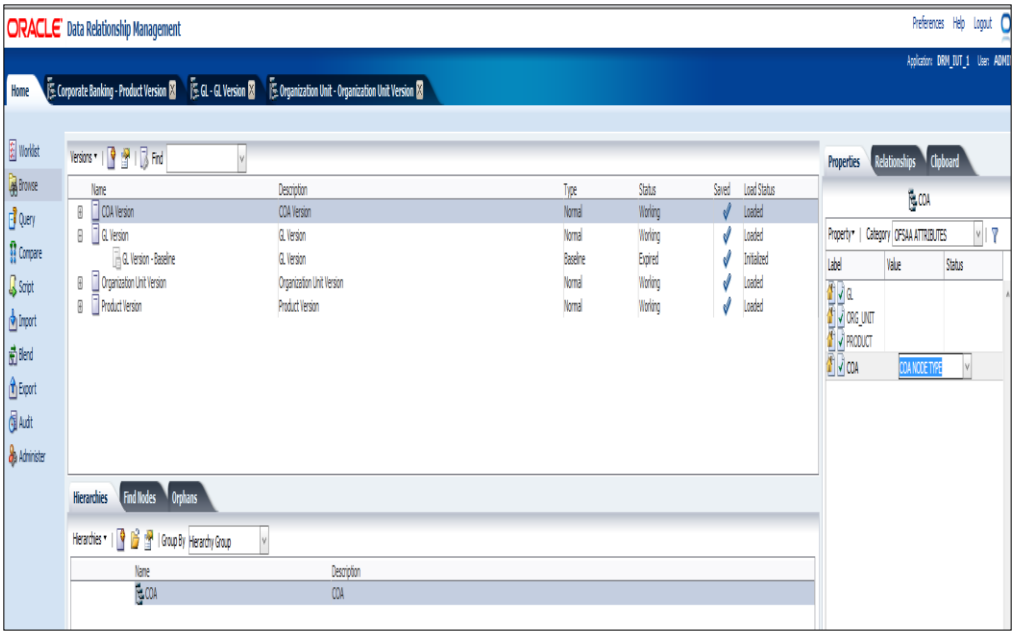
11 OFSAA-DRM Interface Export details

The OFSAA-DRM Interface export details are available in the file OFSAA DRM interface export details.

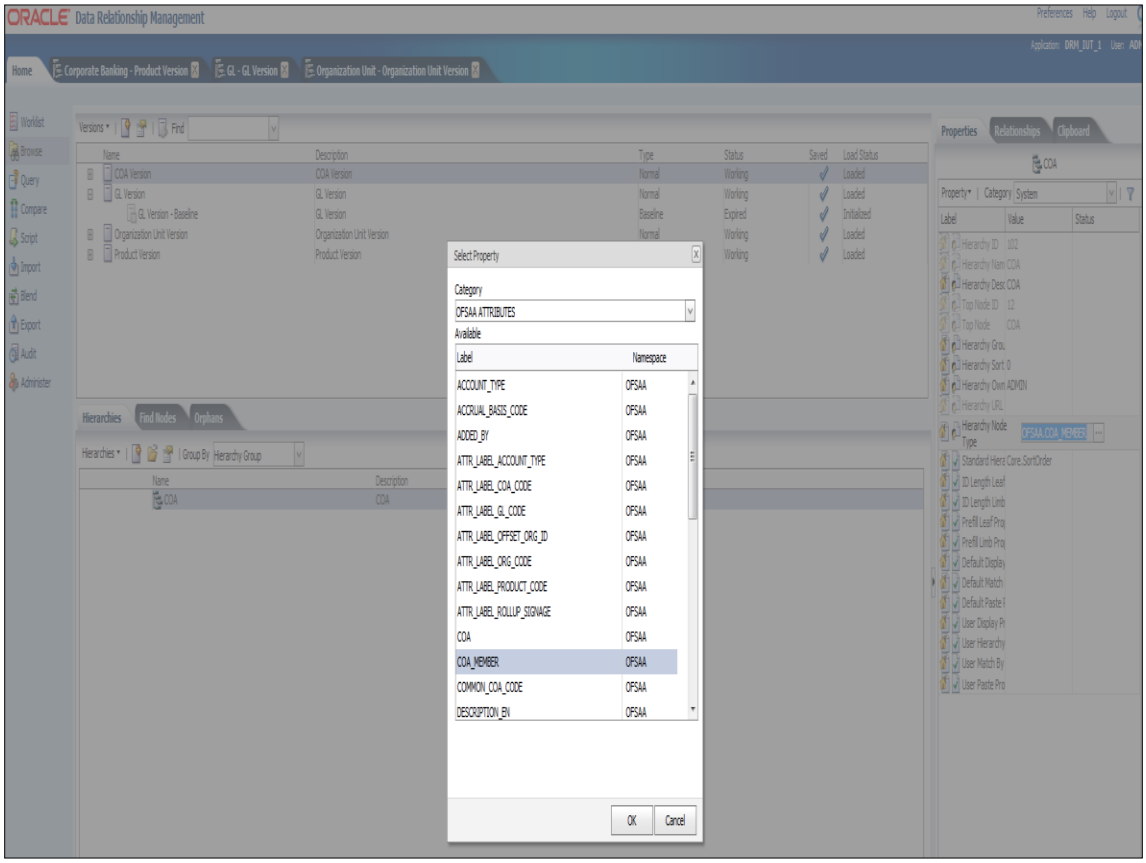
11.1 Filtering Properties using Node Type in DRM Application

Follow the below procedure to map the node type to each dimension:

1. On home screen, select a version, say COA version.
2. Select the COA Hierarchy.
3. On RHS, under the Properties tab, select **OFSAA ATTRIBUTES**. Select **COA NODE TYPE** against COA label.



4. Click **Save**.
5. From RHS, select **System** under **Properties** tab.
6. Click the **Hierarchy Node Type**, select **COA_MEMBER** and click **OK**.



This is used to filter and display properties specific to particular dimension. Similarly, filtering can be done for other dimensions also.

12 OFSAA-DRM Interface Properties

The OFSAA-DRM Interface properties are available in the file OFSAA DRM Interface Properties.

13 Dimension Type – COA

13.1 List of COA Tables

Refer the file COA for DRM Column name and the Target Logical Name.

14 Dimension Type – GL

Refer the file GL for DRM Column name and the Target Logical Name.

15 Dimension Type – Organizational Unit

Refer the file Organizational Unit for DRM Column name and the Target Logical Name.

16 Dimension Type – Product

Refer the file Product for DRM Column name and the Target Logical Name.

17 Pre-Requisites for Running OFSAA - DRM Data Loader DT (fn_DRMDataLoader)

Following are the pre-requisites for Running DRM Loader Batch after Populating Data into the **STG_<<Dimension>>_<B / TL / HIER / ATTR>_INTF tables**:

1. Populate **STG_HIERARCHIES_INTF** table using the seeded batch **<INFODOM>_POP_DRM_STG_HIER_INTF**

   Refer to the file STG_HIERARCHIES_INTF for example values which are getting populated in **STG_HIERARCHIES_INTF**:

2. Ensure that the **FSI_DIM_LOADER_SETUP_DETAILS** table is configured with the required entries for **STG_<<Dimension>>_<B / TL / HIER / ATTR>_INTF** Tables.

   Refer to the file FSI_DIM_LOADER_SETUP_DETAILS for example values.

3. Ensure that the following tables have valid data according to **STG_**_INTF** tables for the look up of DRM Attributes of Accrual Basis, Account Type and Rollup Signage.

   - **FSI_ACCRUAL_BASIS_CD**
   - **FSI_ACCRUAL_BASIS_MLS**
   - **FSI_ACCOUNT_TYPE_CD**
   - **FSI_ACCOUNT_TYPE_MLS**
   - **FSI_ROLLUP_SIGNAGE_CD**
   - **FSI_ROLLUP_SIGNAGE_MLS**

Oracle Financial Services Data Integration Hub Foundation Pack Extension for Data Relationship Management Interface

User Manual

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