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

**User Manual** 

8.0.7.0.0





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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 8.0.7.0.0
- Oracle Financial Services Data Integration Hub Applications Pack Installation Guide Release 8.0.7.0.0
- 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
ММ	Money Marketing
TD	Term Deposit
FIS	FLEXCUBE Information Server
EOFI End of Financial Input	
DRM Data Relationship Management	

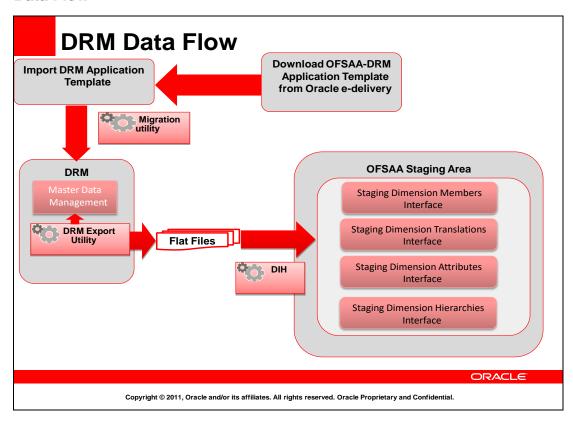


#### 1 Introduction to DRM to OFSAA Interface

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 and 11.1.2.4.



## 2 Deployment of Application Template

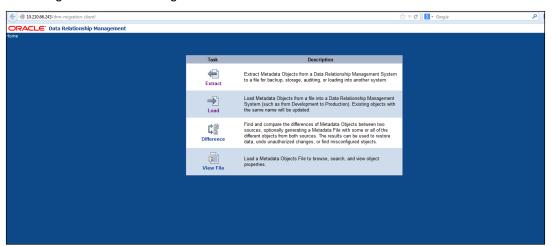
OFSAA-DRM Application template is an xml based metadata file that needs to be imported into the DRM application through migration utility. This would deploy all the out-of-the-box properties, Validations, Exports and Books in the target DRM application. The nodes of the hierarchies that qualify within 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.

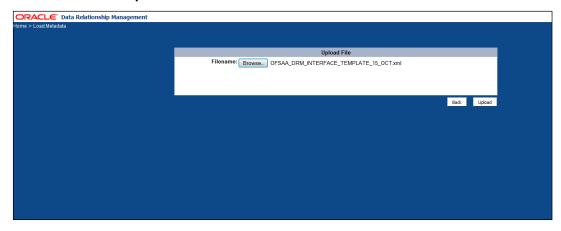
For more information, refer the OFSAA-DIH Installation Manual Release 8.0.7 in OHC.

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.

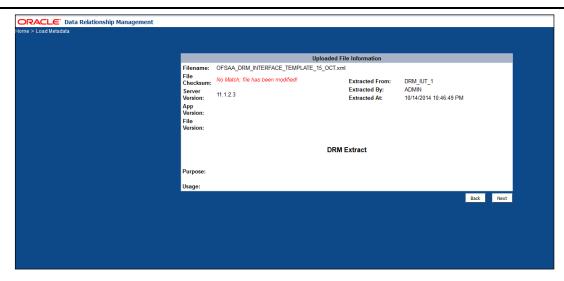


2. Browse for the application template file (.xml) which was downloaded previously from MOS and click **Upload.** 

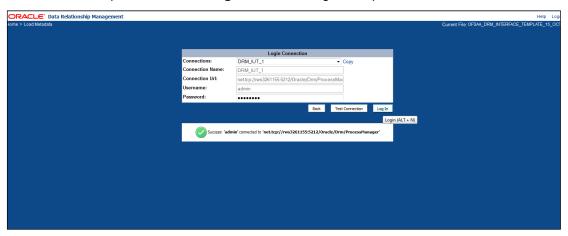


3. Verify the details on the page and click **Next**.





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.

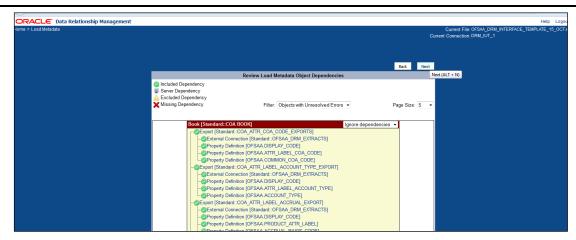


5. Select all the components that are part of the application template as shown below and click **Next**.

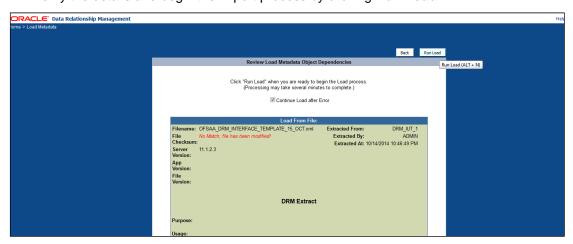


6. Verify the dependencies and click Next.

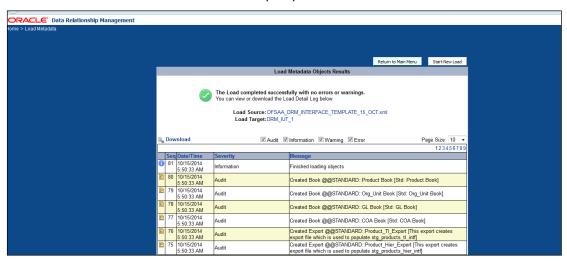




7. Verify the details and begin the import process by clicking Run Load.



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



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 <u>DRM EDD to ADI Mapping</u> for more details.



## 4 Mapping the OFSAA User to DRM User Groups

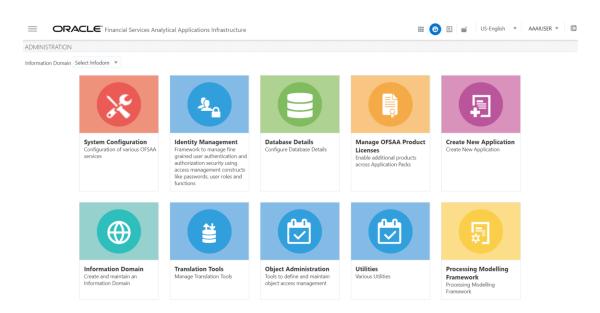
User group mapping enables you to map user(s) to specific user group, which in turn is mapped to a specific Information Domain and role. Every User Group mapped to the infodom should be authorized. Else, it cannot be mapped to users.

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, from Oracle Financial Services Analytical Applications Infrastructure window, click from the header to display the Administration tools in Tiles menu. Click Identity Management from the Tiles menu to view the Security Management window, or click button to access the Navigation List, and click Identity Management to view the Security Management window. For details on mapping user to user groups refer to OFSAAI User Guide in OHC documentation library.

#### Seeded User Groups for OFSAA - DRM Interface

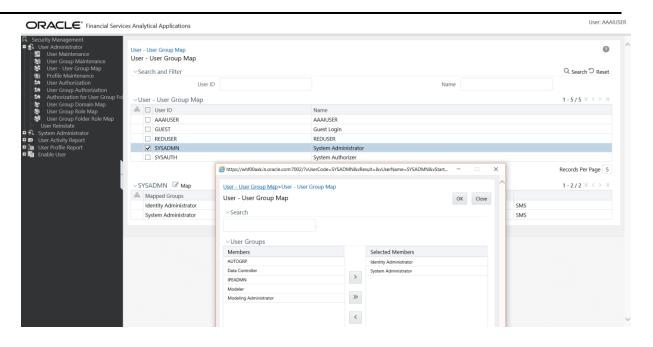
Name	Description
DRM Admin	User mapped to this group will have access to all the menu items for entire DRM Application. The exclusive menu's which are available only to this group users are DRM Administration
DRM Data Mapping	User mapped to this group will have access to DRM Data Mapping Menu
DRM Operator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

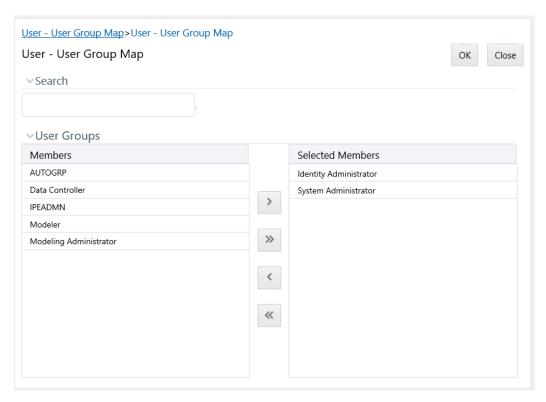


**Identity Management** 



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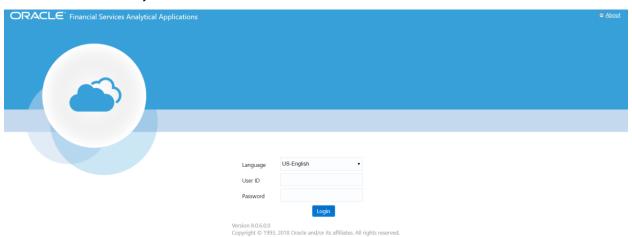




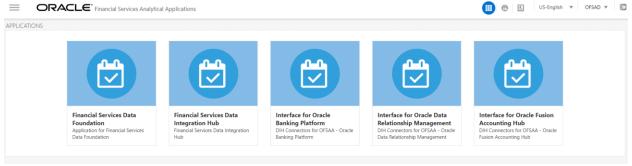


# 5 Logging into DRM-OFSAA Interface

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.



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

The DRM -OFSAA landing page is displayed below.





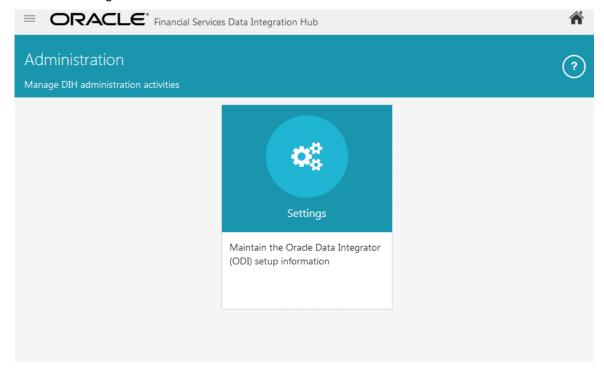
# 6 Prerequisites for Deploying OFSAA-DRM Connectors

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.
- Navigate to <FIC\_HOME>/Connector\_Dumps/DRM\_Connectors/ and rename the following files:
  - OBJECTMIGRATION.xml and DRMCONNECTORS.DMP to OBJECTMIGRATION\_805.xml and DRMCONNECTORS\_805.DMP respectively.
  - OBJECTMIGRATION\_806.xml and DRMCONNECTORS\_806.DMP to OBJECTMIGRATION.xml and DRMCONNECTORS.DMP respectively

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

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

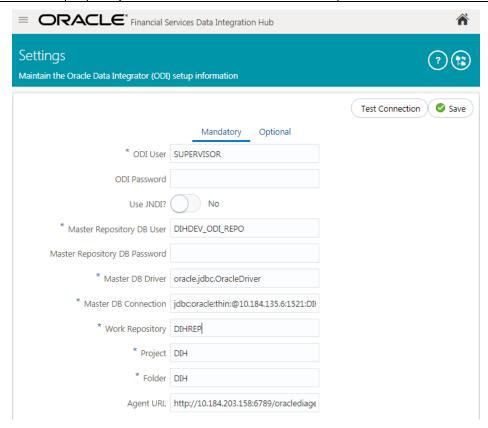


3. The ODI settings screen is displayed. Update the setting information correctly before proceeding to the deployment of DRM interface connectors.



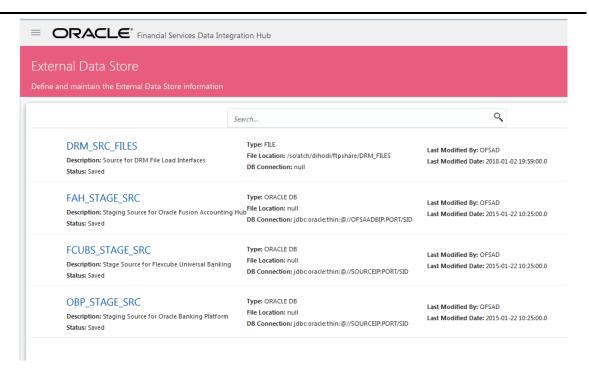
#### **OFS DIH Foundation Pack Extension for DRM User Manual**

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:DI HDB
Work Repository	Repository used inside ODI	DIHREP

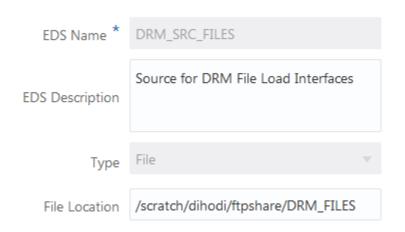


4. A source named DRM\_SRC\_FILES is present in External Data Store under DIH Application. Select the entry which is present as DRM\_SRC\_FILES to Edit.



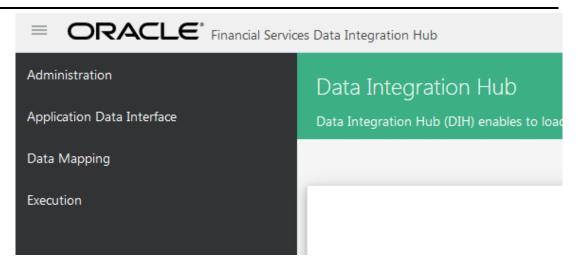


5. Enter the location path of the DRM files. The Path should be in the same sever where the ODI is installed and configured. Refer to <a href="DIH User Manual">DIH User Manual</a> for more details on External Data Store File settings.



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.

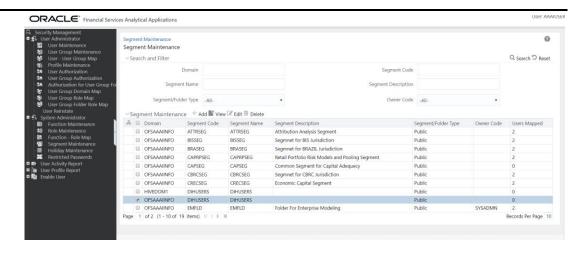


14. For Version 11.1.2.3/11.1.2.4 - 8.0.5.0.0 (Exclusively):

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



#### **OFS DIH Foundation Pack Extension for DRM User Manual**





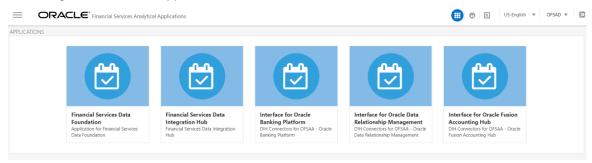
## 7 Deploying OFSAA-DRM Connectors Using Refresh DRM Interface Menu

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.

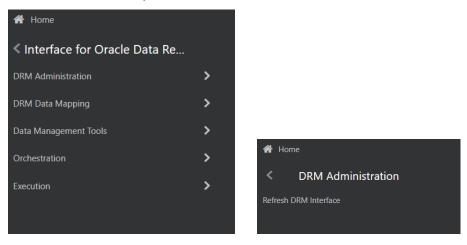
**Note**: You cannot deploy old version on top of new version once undeployed. However, you can deploy new version on top of old existing version.

## 7.1 Deploying Version - 11.1.2.3

1. Navigate to the DRM application interface.



2. Select Administration, and click Refresh DRM Interface.

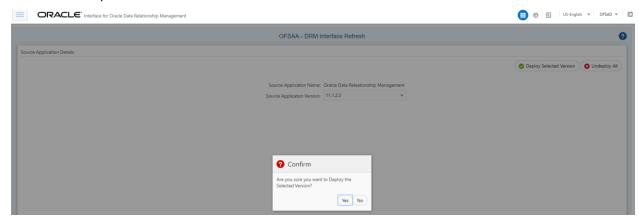


- 3. Select the Source App Version (DRM Version 11.1.2.3) from the drop-down menu.
- 4. Click Deploy Selected Version



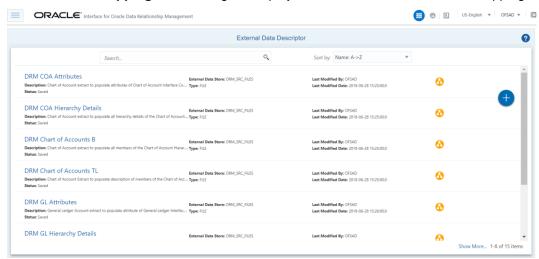


5. A message "Are you sure you want to Deploy the Selected Version?" is displayed. Click Yes to proceed.



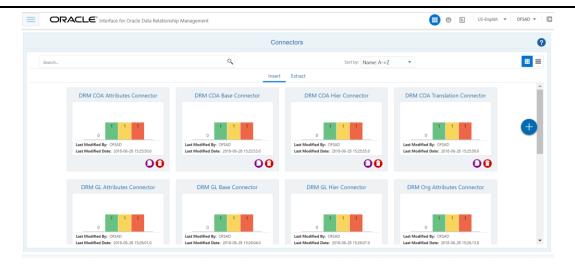
After the deployment is complete, the "Deployment Successful" message is displayed.

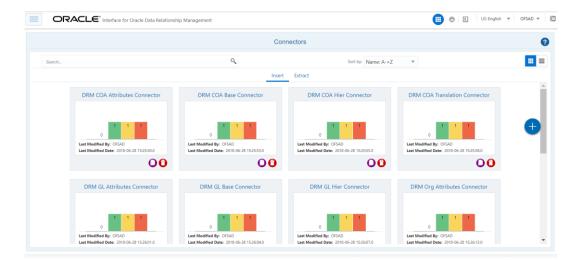
6. Navigate to **DRM Data Mapping** > **External Data Descriptor** and **Connectors** under **DRM Data Mapping** for checking the deployed EDDs, Connectors and the Mappings.



**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_TI	Con_Drm_COA_TI	COA_TI.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_TI	Con_Drm_GL_TI	GL_TI.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_TI	Con_Drm_Org_Unit_TI	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

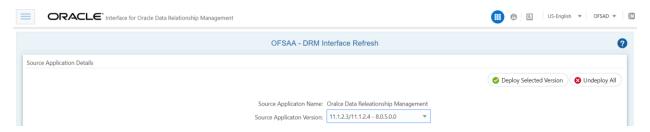


# 7.2 Deploying Version - 11.1.2.3/11.1.2.4 - 8.0.5.0.0

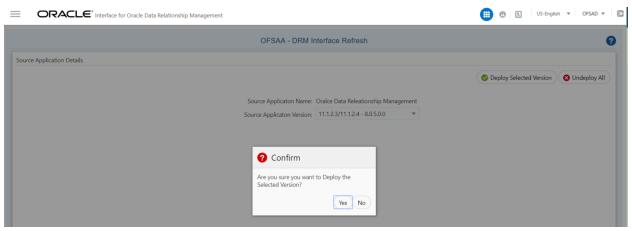
- 1. Navigate to the DRM application interface.
- 2. Select **DRM Administration**, and click **Refresh DRM Interface**.



- 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.



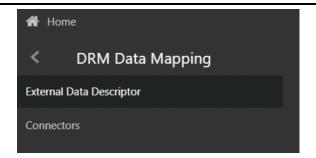
5. A message "Are you sure you want to Deploy the Selected Version?" is displayed. Click Yes to proceed.

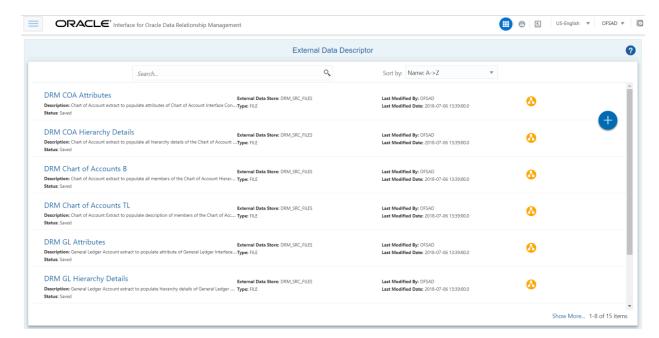


After the deployment is complete, the "Deployment Successful" message is displayed.

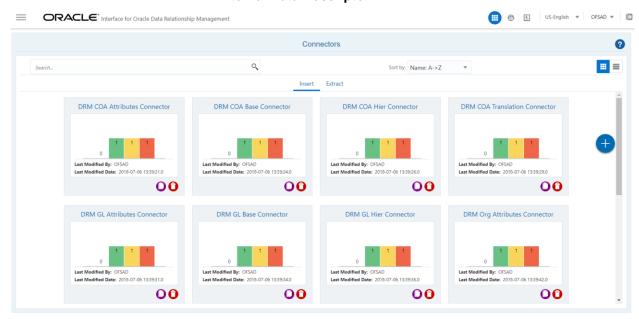
6. Navigate to **External Data Descriptor** and **Connectors** under **DRM Data Mapping** for checking the deployed EDDs, Connectors and the Mappings.







#### **DRM External Data Descriptor**



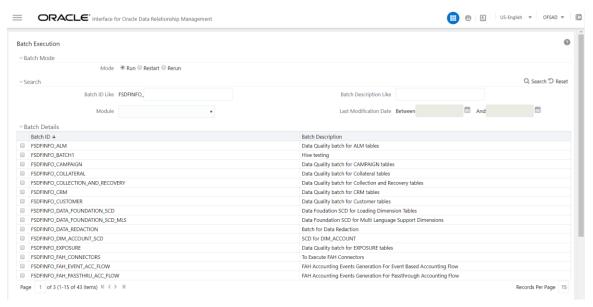
**DRM Connectors** 



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_TI_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_TI_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_TI_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_TI_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 11.1.2.4 – 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.

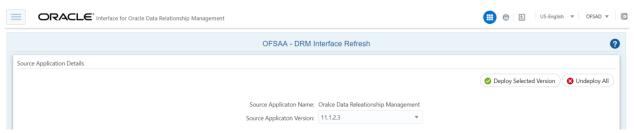
### 8.2 Changes in ODI / External Data Store Settings

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.

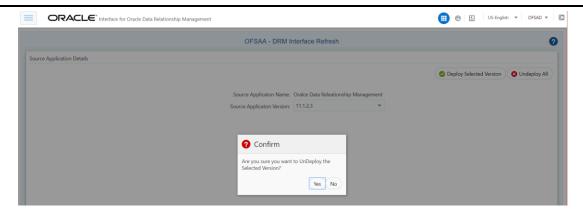
To undeploy, perform the following steps:

 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.





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.





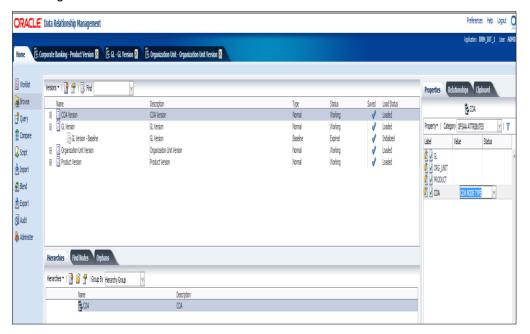
## 11 OFSAA-DRM Interface Export details

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

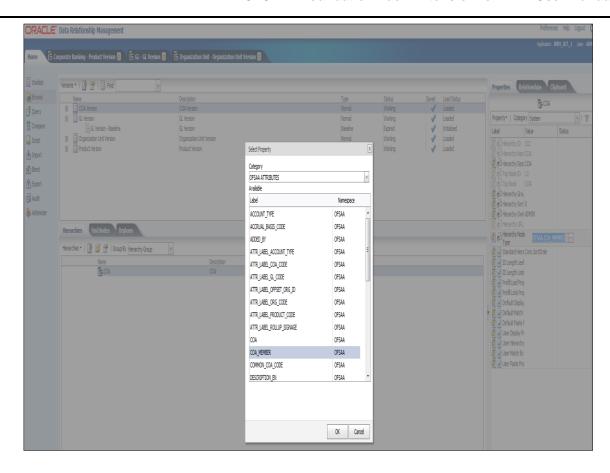
Follow the below procedure to map the node type to each dimension:

- 1. On home screen, select a version, say COA version.
- 2. Select the COA Hierarchy.
- 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:

 Populate STG\_HIERARCHIES\_INTF table using the seeded batch <INFODOM> POP DRM STG HIER INTF

Refer to the file <u>STG\_HIERARCHIES\_INTF</u> 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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