

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

User Guide

Release 8.1.0.0.0

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ORACLE
Financial Services

OFS Data Integration Hub Foundation Pack Extension for Data Relationship Management Interface User Guide

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Document Control

Table 1: Document Version Control

Version Number	Revision Date	Change Log
01	June 2020	Created the document with instructions for the usage of the OFS DRM Release 8.1.0.0.0.
02	October 2020	As part of the 8.1.0.1.0 release, included information on support for Enterprise Data Management Cloud.

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1 Getting Started

This section provides supporting information for the Oracle Financial Services Data Integration Hub (OFS DIH) Foundation Pack Extension for Data Relationship Management Interface (DRM) user guide.

1.1 Audience

The DRM User Guide is intended for the following audience:

- Extract, Transform, Load (ETL) Developers: The ETL Developers who perform data sourcing from the IT Department of the financial services institution.
- Business Analysts: The business analysts who perform mapping of tables from the IT Department of the financial services institution.

1.2 Prerequisites

Interface for Oracle Data Relationship (DRM) is installed and ready for configuration.

1.3 Related Information Sources

Along with this user guide, see the following documents in the [OHC Documentation Library](#):

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

1.4 Conventions

The following text conventions are used in this document:

Table 2: Document Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you need to update specific values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, file names, text that appears on the screen, or text that you enter.
Hyperlink	Hyperlink type indicates links to external websites, internal document links to sections.

1.5 Abbreviations

The following table defines the abbreviations used in this guide.

Table 3: Abbreviations

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
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

2 DIH Foundation Extension for Data Relationship Management

DIH Foundation Extension for Data Relationship Manager (DRM) facilitates integration between OFSAA and DRM. While the licensed component (DIH Foundation Extension for Data Relationship Management) retains its name, as of OFSAA 8.1, DIH Foundation Extension for Data Relationship Management also supports integration with Enterprise Data Management Cloud Service (EDMCS). This user guide covers integration with both DRM and EDMCS.

3 DRM-OFSAA Integration

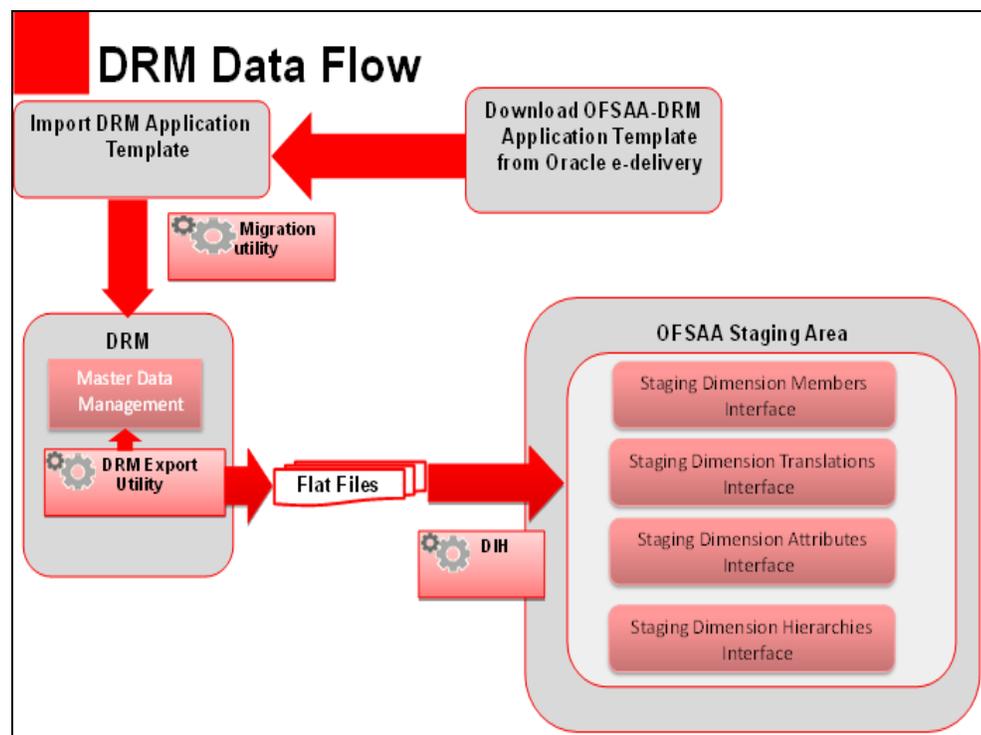
Oracle Financial Services Analytical Applications (OFSAA) enables financial institutions to measure and meet risk-adjusted performance objectives, cultivate a risk management culture, lower the costs of compliance and regulation, and improve customer insight.

Oracle Data Relationship Management (DRM) and Oracle Enterprise Data Management Cloud (EDM) 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.

3.1 DRM-OFSAA 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 are assigned with correct values before executing the DRM exports. Four DRM books are created to generate the delimited files. The 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 the 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.

Figure 1: DRM - OFSAA Data Flow



3.2 Deploying OFSAA-DRM Application Template

The OFSAA-DRM Application template is an XML based metadata file that must be imported into the DRM application through the migration utility. This deploys all the

ready-to-use properties, Validations, Exports, and Books in the target DRM application. The nodes of the hierarchies that qualify within the scope of this interface release are assigned with correct values before executing the DRM exports.

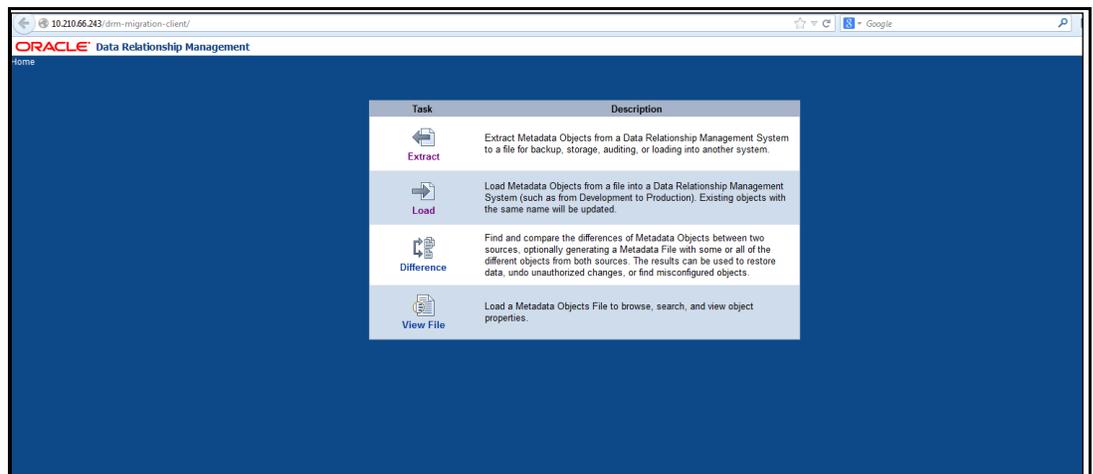
NOTE The names of the hierarchies and the root nodes as defined in the target application must be manually edited in the template before importing.

For more information, see [OFSAA-DIH Installation Guide](#).

To download the application template, follow these steps:

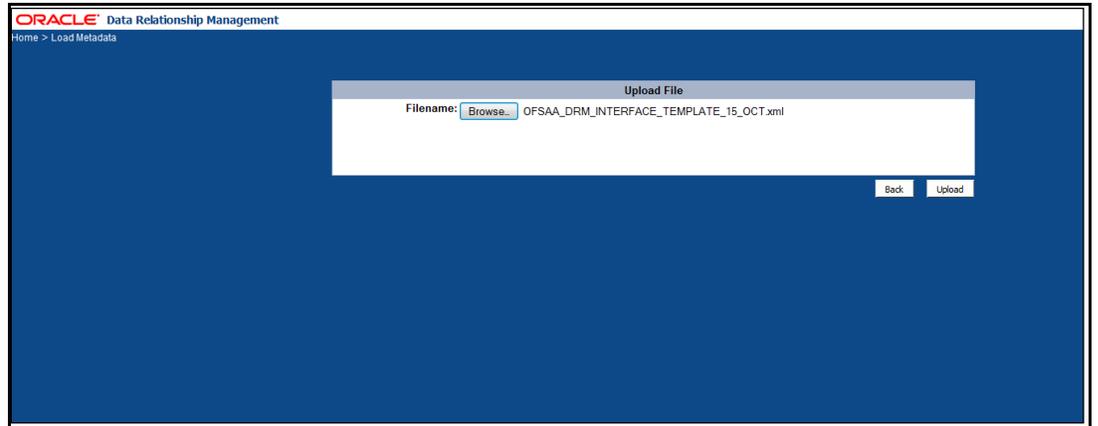
1. Download the application from the Oracle Support Site ([My Oracle Support](#)) into a windows system and import the same into the DRM environment using the DRM migration client. Log in and search for **25405951** under Patches and Updates. You need to have a valid Oracle account to download the software
2. Access the **DRM Migration Client** window and click **Load**.

Figure 2: DRM Migration Client Window



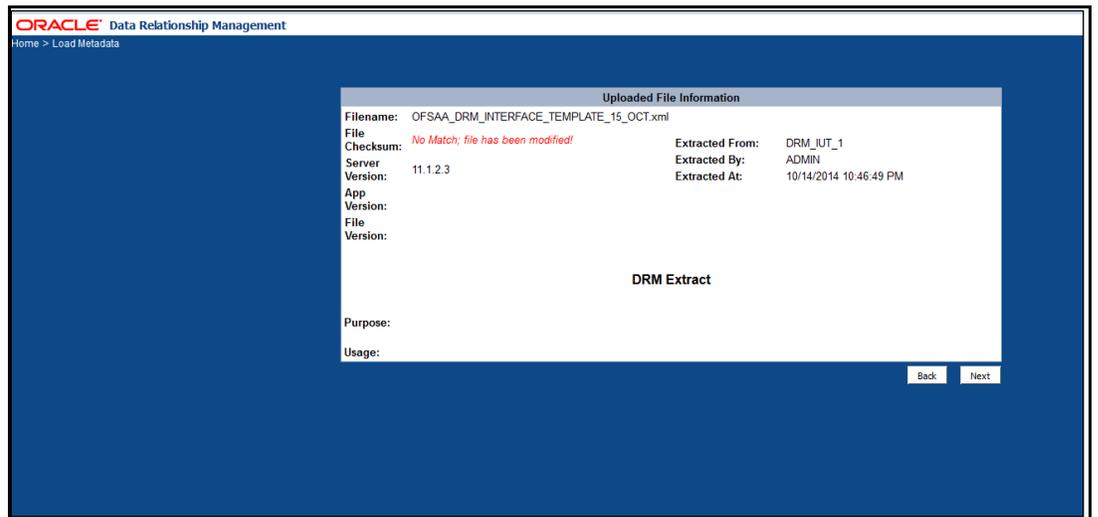
3. In the **Upload File** window, click **Browse** to select the application template file (.xml) downloaded previously from MOS.
4. Click **Upload**.

Figure 3: DRM Migration Client Window



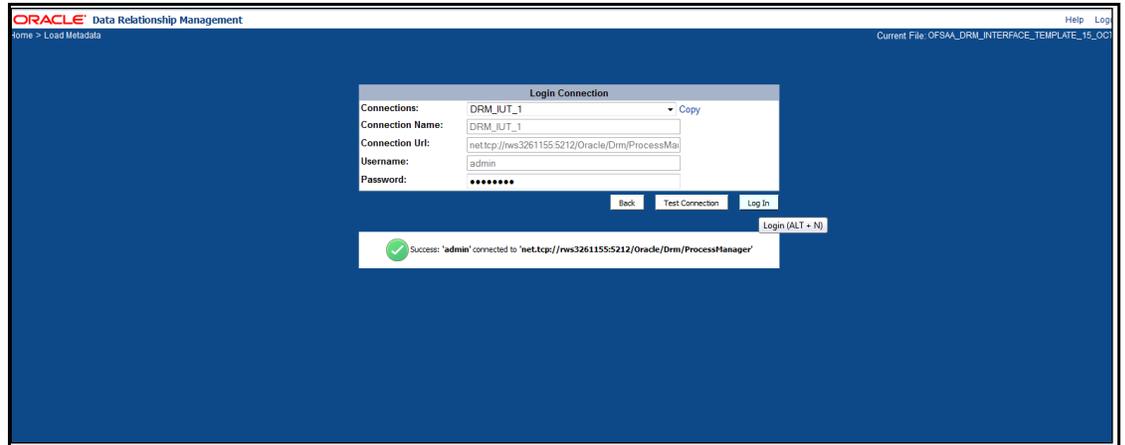
5. Verify the details on the **Uploaded File Information** window and click **Next**.

Figure 4: DRM Uploaded File Information Window



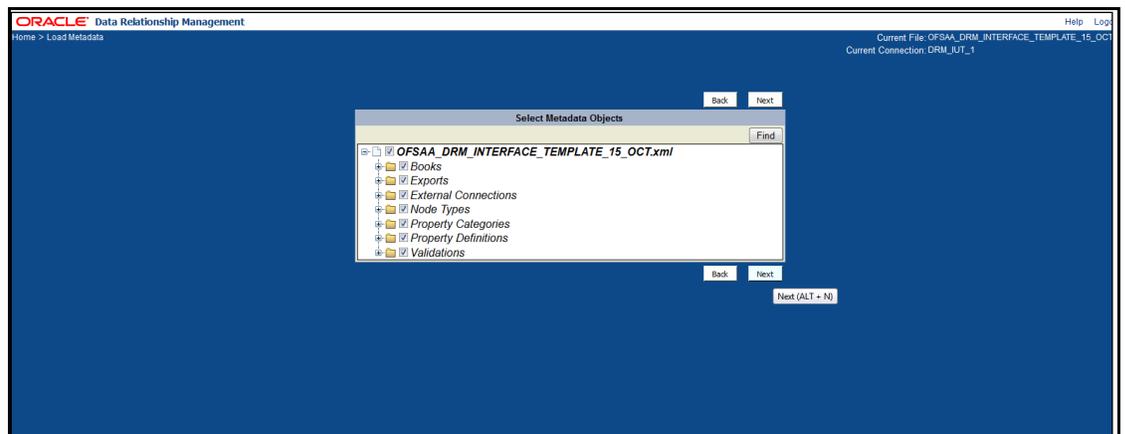
6. Access the target DRM application to import the contents of the application template.
7. Enter the required details in the **Login Connection** window and then click **Log In**.

Figure 5: Login Connection Window



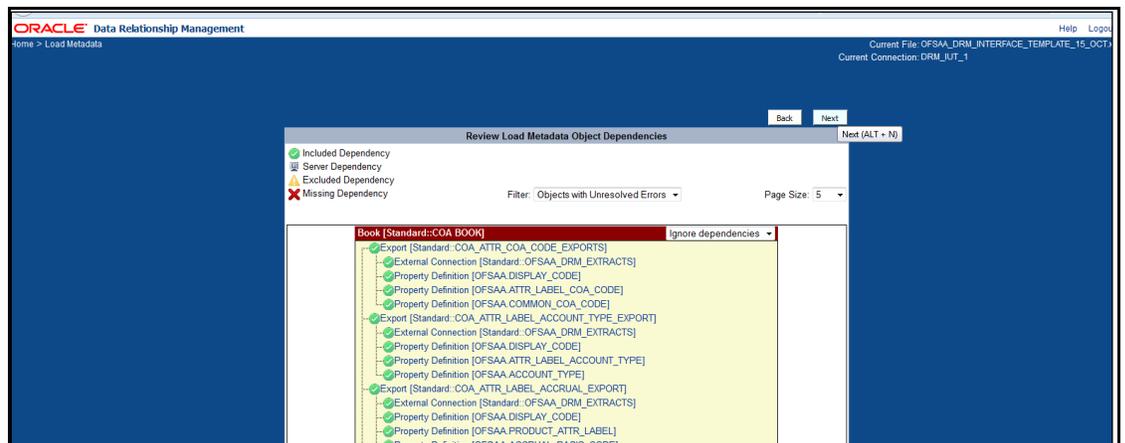
8. Select all the components that are part of the application template as displayed in the following image and click **Next**.

Figure 6: Select Metadata Objects Window



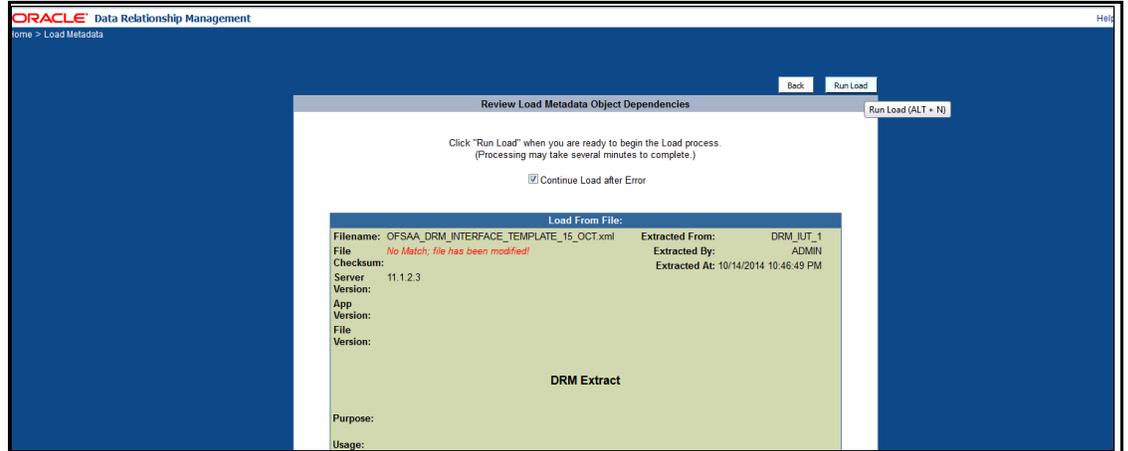
9. Verify the dependencies and then click **Next**.

Figure 7: Review Load Metadata Object Dependencies Window



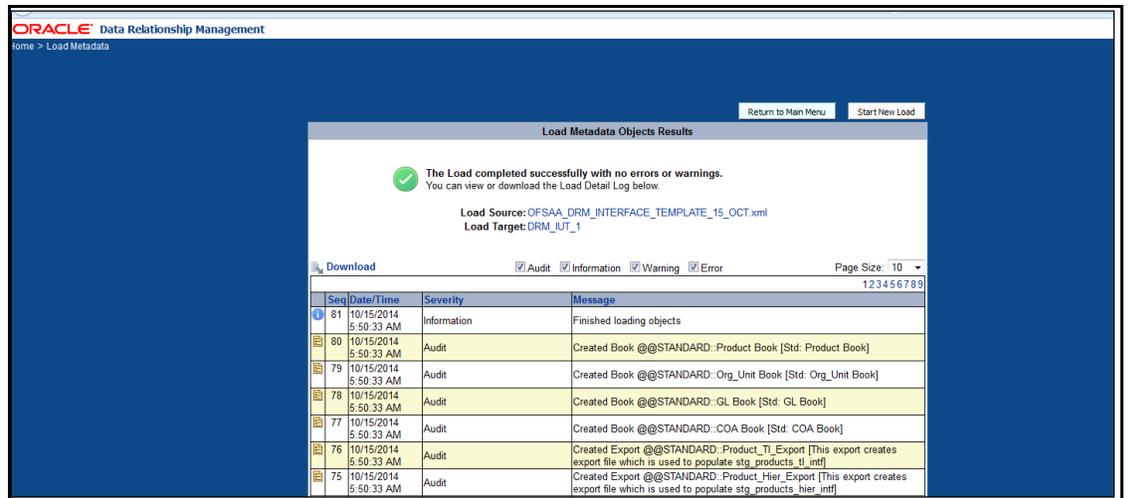
10. Verify the details and click **Run Load**. The import process begins.

Figure 8: Run Load



11. Ensure that there are no errors in the import process. Access the DRM application and check if all the imported objects are displayed. The deployment of the DRM Application template is complete.

Figure 9: Load Metadata Objects Results



3.2.1 Extracting Files from OFSAA-DRM

There are four DRM books created for each dimension 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.

See the [DRM EDD to ADI Mapping](#) file for more details.

3.3 Mapping the OFSAA User to DRM User Groups

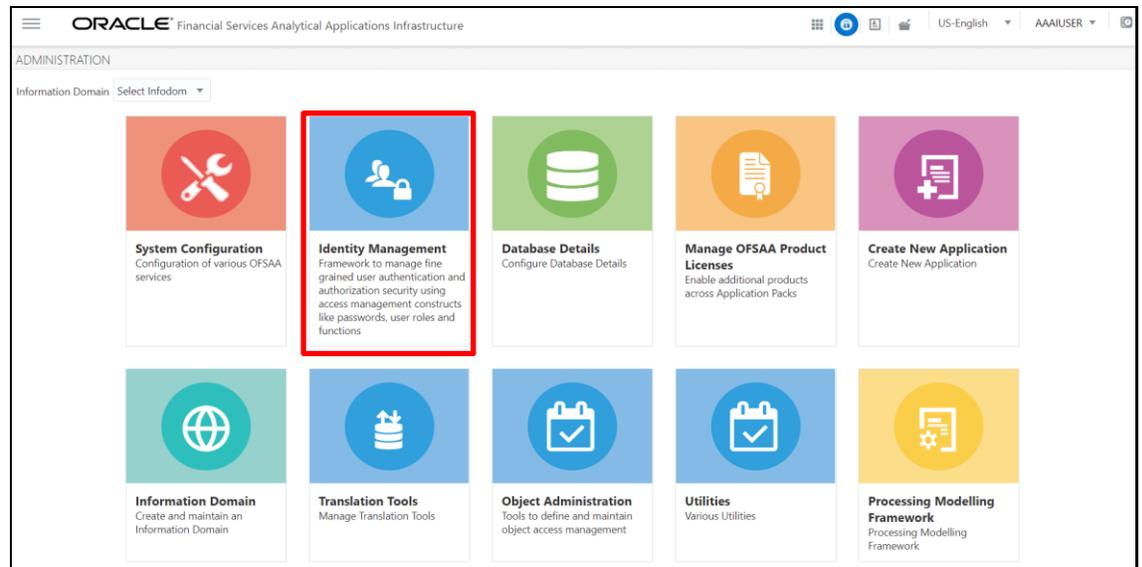
User group mapping enables you to map users to a specific user group which in turn is mapped to a specific Information Domain and role. Every user group mapped to the infodomain must be authorized.

The **User Group Map** window 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** window.

To access User Group Mapping, follow these steps:

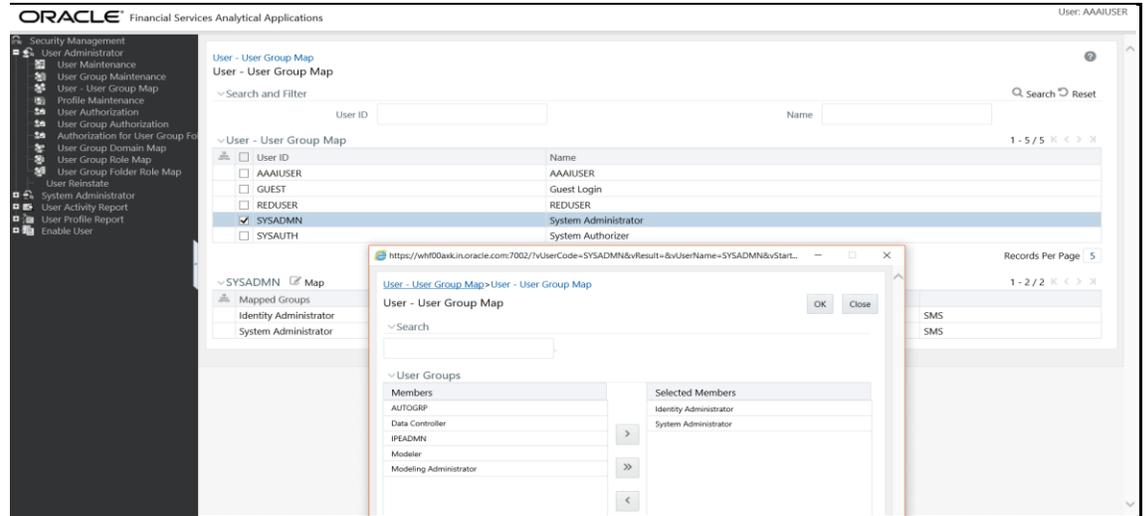
1. From the **Oracle Financial Services Analytical Applications Infrastructure** window, click Administration  from the Masthead to display the Administration tools.

Figure 10: OFS AAI Administration Window



2. Select **Identity Management** from the Tiles menu to view the **Security Management** window,
or
3. Click the **Navigation Menu**  to access the Navigation List.
4. Select **Identity Management** to view the **Security Management** window. You can map the users to the user groups in this window.

Figure 11: OFS AAI Security Management Window



- For details on mapping users to user groups, see the [OFS Advanced Analytics Infrastructure User Guide](#). The following table lists the seeded user groups for DRM.

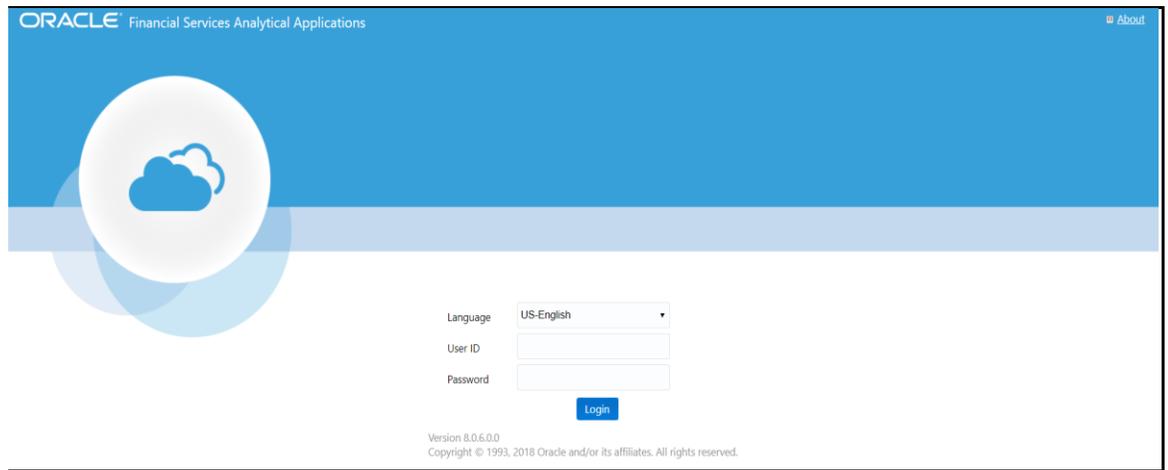
Table 2: Seeded User Groups for OFSAA - DRM Interface

Name	Description
DRM Admin	A user mapped to this group has access to all the menu items of the DRM Application. The DRM Administration menu is available only to this user group.
DRM Data Mapping	A user mapped to this group has access to the DRM Data Mapping Menu.
DRM Operator	A user mapped to this group has access to the Orchestration and Execution Menu.

3.4 Accessing the DRM-OFSAA Interface

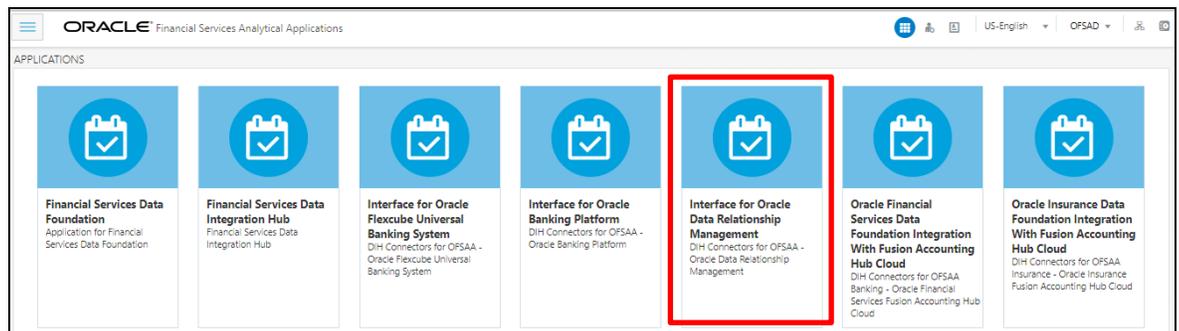
Access the DRM-OFSAA Interface using the login credentials (User ID and Password). The built-in security system ensures that you are permitted to access the window and actions based on authorization only.

Figure 12: DRM- OFSAA Interface Login Window



After logging into the application, select **Interface for Oracle Data Relationship Management**.

Figure 13: Applications Window



NOTE You must be mapped to at least one DRM user groups to view the application.

3.5 Prerequisites for Deploying OFSAA-DRM Connectors

The deployment process requires the following actions to be performed as prerequisites. Ensure that these requirements are met before starting the deployment:

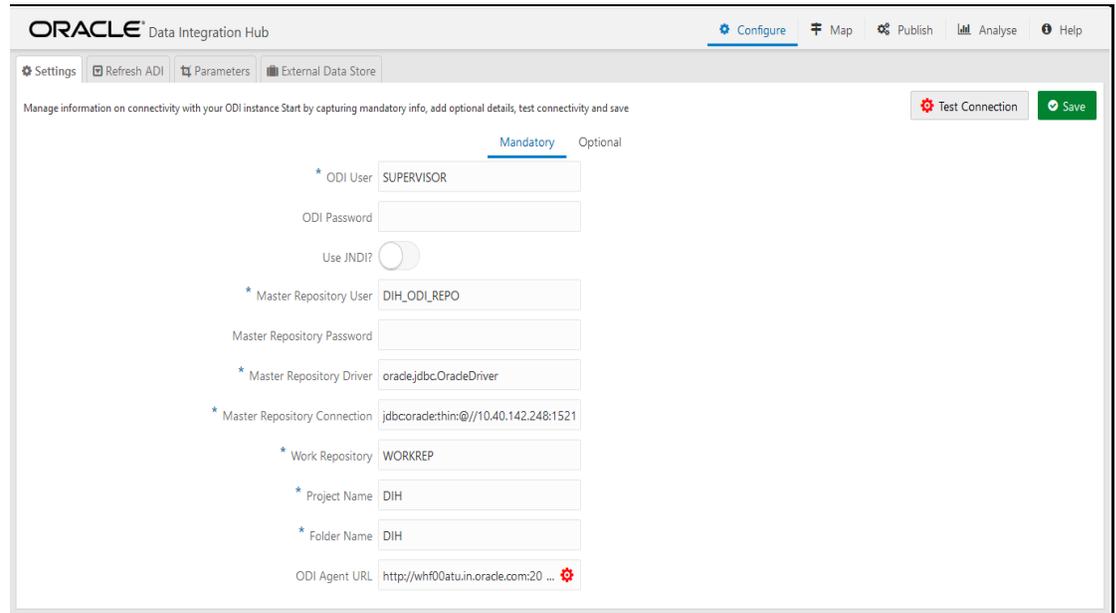
- You must be mapped to the **DRM Admin** user group to view the Refresh DRM Interface menu.
- You must be mapped to the **DIH Admin** and **DIH Data Mapping** user groups to configure the Oracle Data Integrator (ODI) settings and External Data Store respectively.

3.5.1 Setting up ODI Connectivity

To complete the ODI setup, follow these steps:

1. From the **Data Integration Hub** window, select **Configure** and then select **Settings**. The ODI settings window is displayed. This window captures the ODI set up information.

Figure 14: ODI Settings



2. Update the settings before proceeding to the deployment of DRM interface connectors. The following table describes the Setting values required.

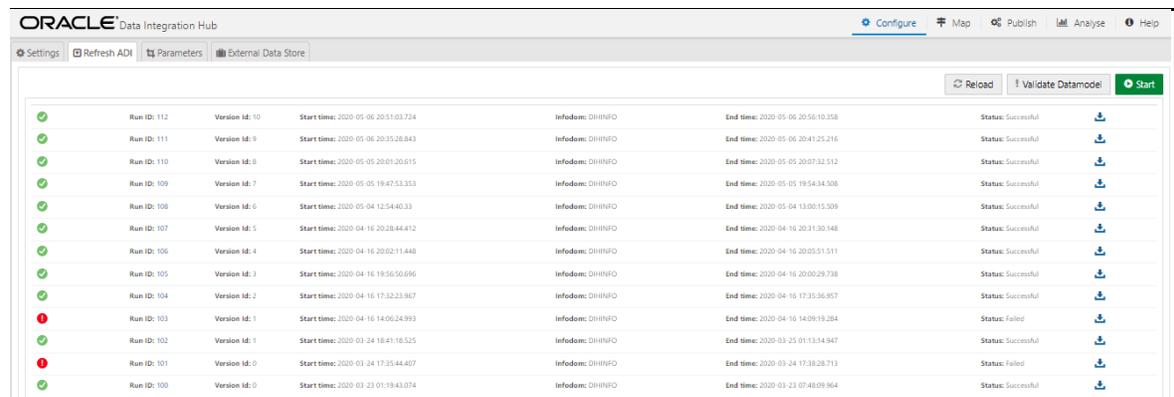
Table 3: Setting Values

Serial No.	Fields	Description
1	ODI User	The ODI supervisor user name you defined when creating the Master Repository or an ODI user name you defined in the Security Navigator after having created in the Master Repository.
2	ODI Password	The ODI supervisor password you defined when creating the Master Repository or an ODI user password you defined in the Security Navigator after having created the Master Repository.
3	Use JNDI	If Yes, enter the Master Repository JNDI. If No, enter the Master Repository Database User, Master Repository Database Password, Master Database Driver, and Master Database Connection.
4	Master Repository Database User	Database user ID or login of the schema (database, library) that contains the ODI Master Repository.
5	Master Repository Database Password	Master Repository Database user password.

Serial No.	Fields	Description
6	Master Database Driver	Specifies the driver required to connect to the RDBMS supporting the Master Repository created from the dropdown list. The default value is oracle.jdbc.OracleDriver. It is not changed when on the Oracle database.
7	Master Database Connection	The URL is used to establish the JDBC connection to the database hosting the repository. The format is jdbc:oracle:thin:@<Hostname/IP Address>:<Port Number>:<Service Name>
8	Master Repository JNDI	JNDI name for ODI Master Repository.
9	Work Repository	The name of the work repository that is created previously (for example WorkRep1).
10	Project	Enter the Project Name created in ODI.
11	Folder	Enter the folder name under the project created in ODI. All the packages are created under this location.
12	Agent URL	Specify the agent URL where the ODI agent is running. This is used to execute a DIH connector from the OFSAAI batch or RRF. This is not required to do data mapping. The format is http://<Hostname/IP Address> where ODI agent is running>:<PORT Number>/<Agent Context Name>

- From the **Data Integration Hub** window, select **Configure** and then select **Refresh ADI**. The **Refresh Application Data Interface** summary is displayed.

Figure 15: Refresh Application Data Interface Summary Window



- Click **Start**. This refresh and creates the Application Data Interfaces for all the staging tables present in the model which are uploaded in the same Infodoms.
- From the **Data Integration Hub** window, select **Publish** and then select **Refresh Target Datastores**. The **Refresh Target Datastore Interface** summary is displayed.

Figure 16: Refresh Target Datastore Interface Summary Window



6. Click **Start** to refresh all the available target datastores.

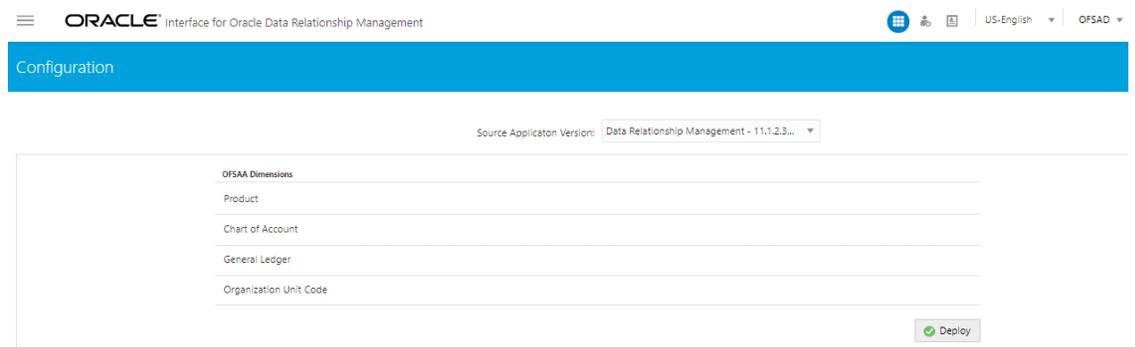
3.6 Deploying or Undeploying OFSAA-DRM Interface Connectors

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

To deploy or undeploy OFSAA-DRM Connectors using the Refresh DRM Interface window, follow these steps.

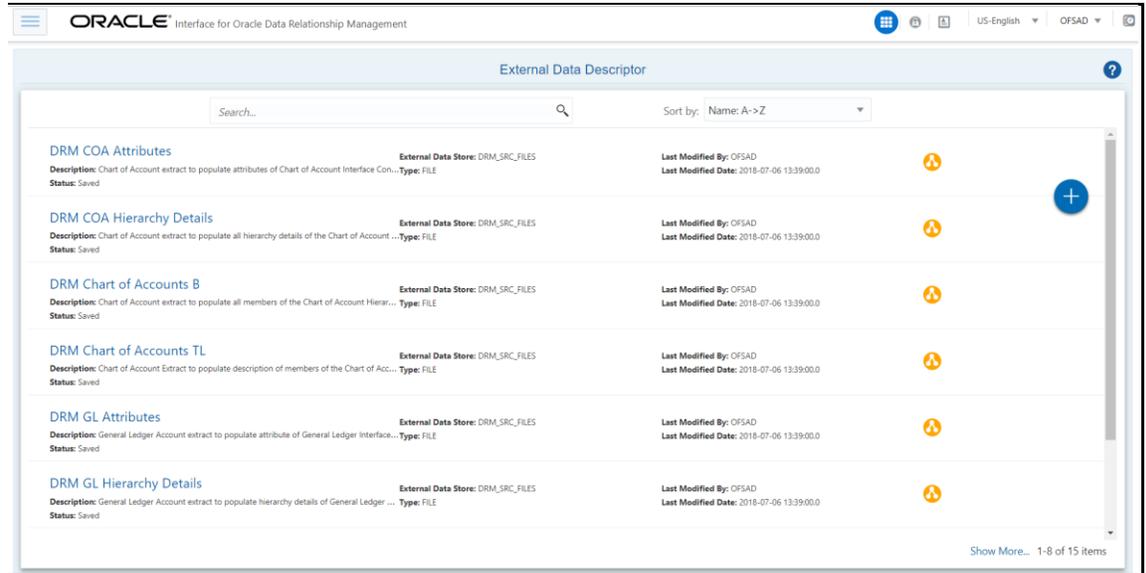
1. From the **Interface for Oracle Data Relationship Management** window, select **DRM Administration** and then select **Refresh DRM Interface**. The **Source Information** window is displayed.

Figure 17: Oracle Data Relationship Management – Source Information



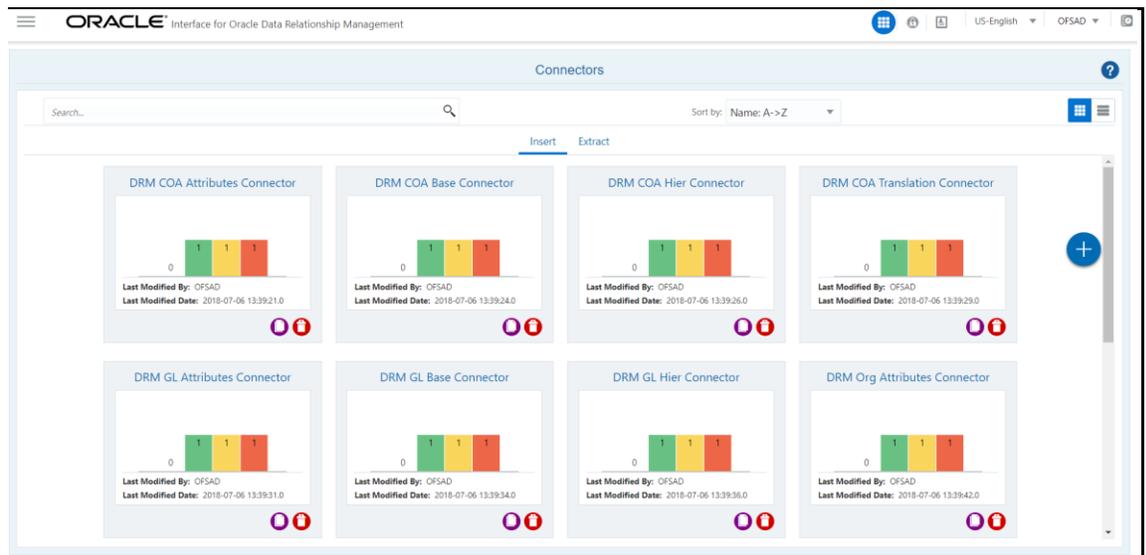
2. Select the **Source Application Version** (Data Relationship Management - 11.1.2.3/11.1.2.4) from the drop-down list.
3. Click **Deploy Selected Version**. A message is displayed: *“Are you sure you want to Deploy the Selected Version?”*
4. Click **Yes** to proceed.
5. To undeploy the connector version, click **Undeploy All**. A message is displayed: *“Are you sure you want to Undeploy the Selected Version?”*
6. Click **Yes** to proceed.
7. To check deployed EDDs and Mappings, select **DRM Data Mapping** from the **Interface for Oracle Data Relationship Management** window, and then select **External Data Descriptor**.

Figure 18: External Data Descriptor Summary Window



- To check deployed Connectors and Mappings, select **DRM Data Mapping** from the **Interface for Oracle Data Relationship Management** window, and then select **Connectors**.

Figure 19: Connectors Summary Window



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

Table 4: Deployed DRM EDD and Connectors List

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

Version - 11.1.2.3/11.1.2.4 - 8.0.5.0.0		
EDD	Connectors	Source File Name
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 Translation Connector	Product_TL_export.txt

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

3.7 OFSAA-DRM Interface Modifications or Upgrade

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

3.7.1 Deploying Upgraded Source Version

If there is an upgraded source application available, ensure to select undeploy all to undeploy the existing version of the connector, and then select the upgraded source version to deploy. The current available source version for DRM connector supports:

- Data Relationship Management - 11.1.2.3/11.1.2.4
- Enterprise Data Management Cloud Service

3.7.2 Changes in Store Settings

If there is a change in the ODI or 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 or External Data Descriptor is in published mode. Unpublish all

the Connectors or External Data Descriptor before you proceed to undeploy.

For more information on how to undeploy a connector, see [Deploying or Undeploying OFSAA-DRM Connectors](#) section.

3.8 Publishing and Executing OFSAA-DRM Connectors to ODI environment through DIH

After the predefined OFSAA-DRM connectors are deployed, they must be published and executed.

To publish and execute OFSAA-DRM Connectors to the ODI environment through DIH, follow these steps:

1. From the **Interface for Oracle Data Relationship Management** window, select **DRM Data Mapping**, and then select **Connectors**.

or

From the **Data Integration Hub Designer** window, select **Publish** and then select **Publish/Unpublish**.

This creates the corresponding interfaces in the Oracle Data Integrator Repository. The interfaces are then executed to load the data from the delimited files into the target staging tables.

2. For information about How to Publish a connector, see the [OFS Data Integration Hub User Guide](#).
3. After successfully publishing the connectors, search for the DRM batch and then click **Execute Batch**.

Figure 20: Data Relationship Management - 11.1.2.3/11.1.2.4 Batch

PUBLISHING AND EXECUTING OFSAA-DRM CONNECTORS TO ODI ENVIRONMENT THROUGH DIH

Batch Execution ?

Batch Mode

Mode Run Restart Rerun

Search Search Reset

Batch ID Like Batch Description Like

Module Last Modification Date Between And

Batch Details Schedule Batch

Batch ID	Batch Description
<input checked="" type="checkbox"/> DIHINFO_DRM_CONNECTORS_70082	To Execute DRM Connectors

Page 1 of 1 (1-1 of 1 items) Records Per Page 15

Task Details Exclude/Include Hold/Release

Task ID	Task Description	Metadata Value	Component ID	Precedence	Task Status
Task1	Task to execute DRM COA Attributes Connector	DRM COA Attributes Connector	DIH CONNECTORS	START	N
Task2	Task to execute DRM COA Base Connector	DRM COA Base Connector	DIH CONNECTORS	Task1	N
Task3	Task to execute DRM COA Hier Connector	DRM COA Hier Connector	DIH CONNECTORS	Task2	N
Task4	Task to execute DRM COA Translation Connector	DRM COA Translation Connector	DIH CONNECTORS	Task3	N
Task5	Task to execute DRM GL Attributes Connector	DRM GL Attributes Connector	DIH CONNECTORS	Task4	N
Task6	Task to execute DRM GL Base Connector	DRM GL Base Connector	DIH CONNECTORS	Task5	N
Task7	Task to execute DRM GL Hier Connector	DRM GL Hier Connector	DIH CONNECTORS	Task6	N
Task8	Task to execute DRM GL Translation Connector	DRM GL Translation Connector	DIH CONNECTORS	Task7	N
Task9	Task to execute DRM Org Attributes Connector	DRM Org Attributes Connector	DIH CONNECTORS	Task8	N
Task10	Task to execute DRM Org Base Connector	DRM Org Base Connector	DIH CONNECTORS	Task9	N
Task11	Task to execute DRM Org Hier Connector	DRM Org Hier Connector	DIH CONNECTORS	Task10	N
Task12	Task to execute DRM Org Translation Connector	DRM Org Translation Connector	DIH CONNECTORS	Task11	N
Task13	Task to execute DRM Prod Attributes Connector	DRM Prod Attributes Connector	DIH CONNECTORS	Task12	N
Task14	Task to execute DRM Prod Base Connector	DRM Prod Base Connector	DIH CONNECTORS	Task13	N
Task15	Task to execute DRM Prod Hier Connector	DRM Prod Hier Connector	DIH CONNECTORS	Task14	N

Page 1 of 2 (1-15 of 16 items) Records Per Page 15

Information Date

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Figure 21: Enterprise Data Management Cloud Service Batch

The screenshot displays the 'Batch Execution' interface. At the top, there are controls for 'Batch Mode' (Run, Restart, Rerun) and a search bar. The search criteria include 'Batch ID Like DIHINFO_DRM' and 'Batch Description Like To Execute DRM Connectors'. Below this, a table lists the tasks for the batch. The tasks are sequential, starting with 'Task1' (Task to download Product Dimension File from EDMCS) and ending with 'Task12' (Task to execute EDM Prod B TI Hier Connector). Each task has a 'Task ID', 'Task Description', 'Metadata Value', 'Component ID', 'Precedence', and 'Task Status'.

Task ID	Task Description	Metadata Value	Component ID	Precedence	Task Status
Task1	Task to download Product Dimension File from EDMCS	DIHEDMCSExtract.sh,DIHINFO,OFSAD,DRM,PROD	RUN EXECUTABLE	START	N
Task2	Task to download Chart of Account Dimension File from EDMCS	DIHEDMCSExtract.sh,DIHINFO,OFSAD,DRM,COA	RUN EXECUTABLE	Task1	N
Task3	Task to download Dimension File from EDMCS	DIHEDMCSExtract.sh,DIHINFO,OFSAD,DRM,GL	RUN EXECUTABLE	Task2	N
Task4	Task to download Organization Unit Code Dimension File from EDMCS	DIHEDMCSExtract.sh,DIHINFO,OFSAD,DRM,ORG_UNIT	RUN EXECUTABLE	Task3	N
Task5	Task to execute EDM COA Attributes Connector	EDM COA Attributes Connector	DIH CONNECTORS	Task4	N
Task6	Task to execute EDM COA B TI Hier Connector	EDM COA B TI Hier Connector	DIH CONNECTORS	Task5	N
Task7	Task to execute EDM GL Attributes Connector	EDM GL Attributes Connector	DIH CONNECTORS	Task6	N
Task8	Task to execute EDM GL B TI Hier Connector	EDM GL B TI Hier Connector	DIH CONNECTORS	Task7	N
Task9	Task to execute EDM Org Attributes Connector	EDM Org Attributes Connector	DIH CONNECTORS	Task8	N
Task10	Task to execute EDM Org B TI Hier Connector	EDM Org B TI Hier Connector	DIH CONNECTORS	Task9	N
Task11	Task to execute EDM Prod Attributes Connector	EDM Prod Attributes Connector	DIH CONNECTORS	Task10	N
Task12	Task to execute EDM Prod B TI Hier Connector	EDM Prod B TI Hier Connector	DIH CONNECTORS	Task11	N

At the bottom of the interface, there is an 'Execute Batch' button and a copyright notice: 'Copyright © 1993, 2020, Oracle and/or its affiliates. All rights reserved.'

3.9 OFSAA-DRM Interface Export Details

To view the OFSAA-DRM Interface Export details see the [OFSAA DRM Interface Export Details](#) file

3.9.1 Filtering Properties using Node Type in DRM Application

To map the node type to each dimension, follow these steps:

1. From the **Oracle Data Relationship Management** window, select a **COA Version** and then select the **COA Hierarchy**.
2. From the **Properties** tab, select **OFSAA ATTRIBUTES**.
3. Select **COA NODE TYPE** under the COA label.
4. Click **Save**.
5. From the **Properties** tab, select **System**.

6. Click the **Hierarchy Node Type** and select **COA_MEMBER** and click **OK**. This filters and displays the properties specific to a particular dimension. Similarly, filters can be applied to other dimensions.

3.10 OFSAA-DRM Interface Properties

To view the OFSAA-DRM Interface properties that are available see [OFSAA DRM Interface Properties](#).

3.11 DRM Dimension Type Information

3.11.1 Chart of Accounts

See the Chart of Accounts ([COA](#)) file for the DRM Column Name and the Target Logical Name.

3.11.2 General Ledger

See General Ledger ([GL](#)) file for the DRM Column Name and the Target Logical Name.

3.11.3 Organizational Unit

See the [Organizational Unit](#) file for the DRM Column Name and the Target Logical Name.

3.11.4 Product

See the [Product](#) file for the DRM Column name and the Target Logical Name.

3.12 Prerequisites to Run OFSAA - DRM Data Loader DT

After populating data into the **STG_<<Dimension>>_<B / TL / HIER / ATTR>_INTF** table, the prerequisites to Run OFSAA DRM Data Loader DT (`fn_DRMDataLoader`) are as follows:

1. Populate the **STG_HIERARCHIES_INTF** table using the seeded batch **<INFODOM>_POP_DRM_STG_HIER_INTF**.
2. See the [STG_HIERARCHIES_INTF](#) file for example values that are populated in the **STG_HIERARCHIES_INTF** table.
3. Ensure that the **FSI_DIM_LOADER_SETUP_DETAILS** table is configured with the required entries for the **STG_<<Dimension>>_<B / TL / HIER / ATTR>_INTF** table.
4. See the [FSI_DIM_LOADER_SETUP_DETAILS](#) file for example values.
5. Ensure that the following tables have valid data according to the **STG_**_INTF** tables for the lookup 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

4 EDMCS-OFSAA Integration

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.

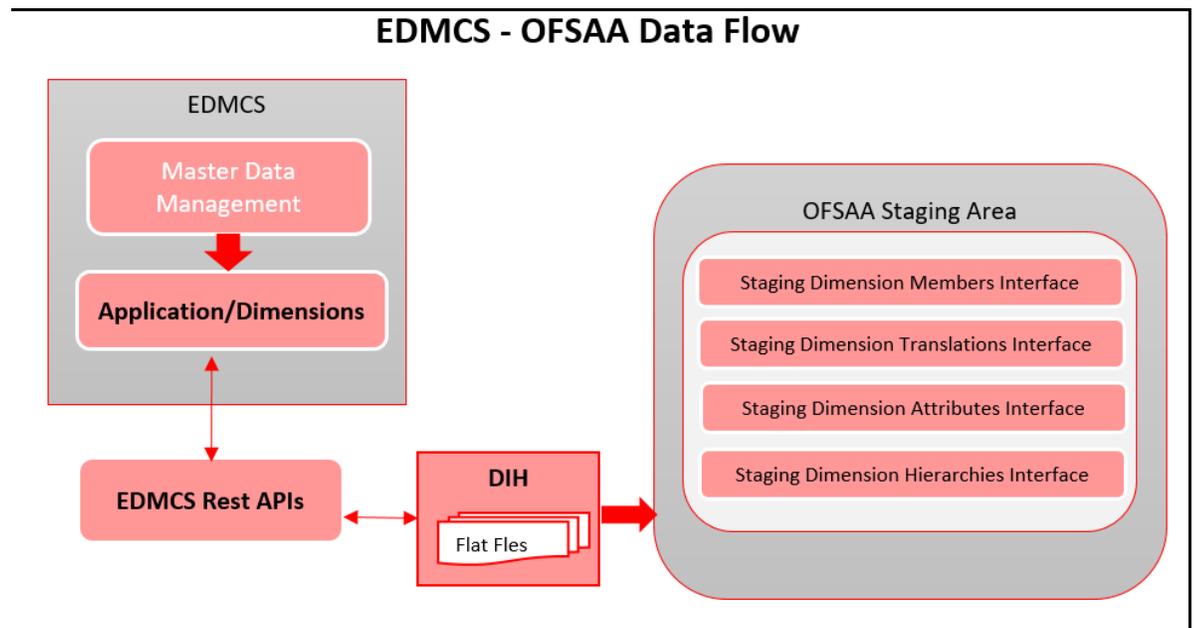
4.1 EDMCS-OFSAA Data Flow

EDMCS has a different way in the creation of dimensions and respective hierarchies as compared to DRM.

In EDMCS, you can create the dimensions structure through application and node creations. Once the structures are created, data can be imported for the created dimensional attributes through a CSV file format. Once the data is successfully uploaded, hierarchy is automatically created within the EDMCS application. EDMCS exposes Rest services which are used in DIH DRM Interface to download CSV files to EDS location.

The mapping between the delimited extracted files (EDD) and OFSAA staging tables (ADI) is predefined in the EDM connectors. The pre-defined DIH connectors that map the multiple file EDDs to the corresponding ADIs are published through the application. 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.

Figure 22: EDMCS - OFSAA Data Flow



4.2 OFSAA-EDMCS Application Dimensions

The following files provide a reference list of attributes that OFSAA supports for the dimensions involved. Ensure that the attributes extracted from your EDMCS instance or tenancy are in the order that they appear in the files:

- [Product](#)

- [Chart of Accounts](#)
- [General Ledger](#)
- [Organization Unit Code](#)

Note that while OFSAA supports the list of attributes in the files above for dimensions, your instance of EDMCS or its sources for dimension information may not mark them mandatory. Values for the following attributes are automated by the integration application:

- **NODE ID** – This is a unique ID auto-generated by the application.
- **SORT ORDER** – This is assigned based on the alphabetical order of sibling members or nodes at each level
- **LEAF NODE INDICATOR FLAG** – This is assigned based on identifying nodes that do not have any child nodes.

4.3 Mapping the OFSAA User to EDMCS User Groups

User group mapping enables you to map users to a specific user group which in turn is mapped to a specific Information Domain and role. Every user group mapped to the infodomain must be authorized.

See [Mapping the OFSAA User to DRM User Groups](#) section under DRM OFSS Integration for more information.

4.4 Accessing the EDMCS-OFSAA Interface

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

See [Accessing the DRM-OFSAA Interface](#) section under DRM OFSS Integration for more information.

4.5 Prerequisites for Deploying OFSAA-EDMCS Connectors

The deployment process requires some actions to be performed as prerequisites. Ensure that these requirements are met before starting the deployment:

See [Prerequisites for Deploying OFSAA-DRM Connectors](#) section under DRM OFSS Integration for more information.

4.6 Deploying or Undeploying OFSAA-EDMCS InterfaceConnectors

To deploy or undeploy OFSAA-EDMCS Connectors using the Refresh DRM Interface window, follow these steps.

1. From the **Interface for Oracle Data Relationship Management** window, select **DRM Administration** and then select **Refresh DRM Interface**. The **Source Information** window is displayed.

Figure 23: Oracle Data Relationship Management – Source Information

ORACLE Interface for Oracle Data Relationship Management

Configuration

Source Application Version: Enterprise Data Management Cloud Ser...

< Back

1 API Configuration

Select Dimensions

Review

Next >

OFSAA Dimensions

Product

Chart of Account

General Ledger

EDMCS URL: http://slcar276.usdvl1.oraclecloud.com:10923/epm/est/v1

User ID: epm_default_skoud_admin

Password

2. Select the **Source Application Version** (Enterprise Data Management Cloud Service) from the drop-down list.
3. Enter the following details.
 - a. **EDMCS URL**
 - b. **User ID**
 - c. **Password**.

Figure 24: Oracle Data Relationship Management – Source Information

ORACLE Interface for Oracle Data Relationship Management

Configuration

Source Application Version: Enterprise Data Management Cloud Ser...

< Back

API Configuration

1 Select Dimensions

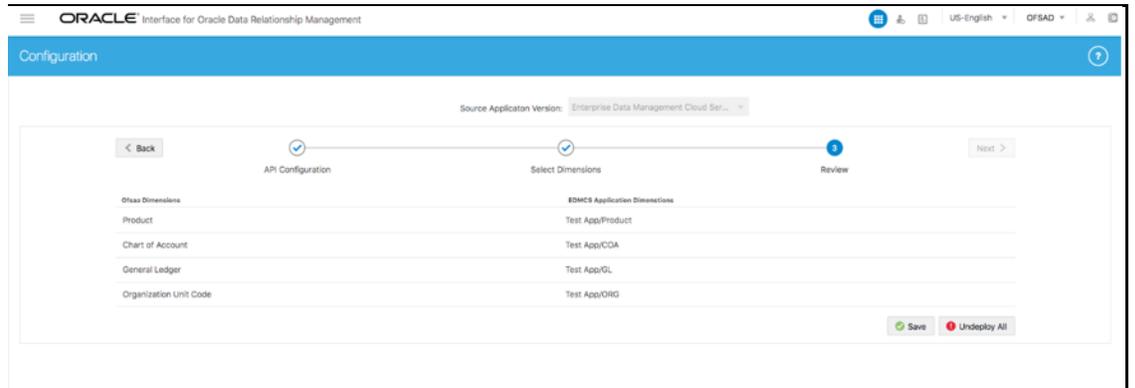
Review

Next >

OFSAA Dimensions	EDMCS Application Dimensions	Updated Date
Product	Test AppProduct	2020-09-16 11:52:54
Chart of Account	EDMC OFSAA DRIM/General Ledger	2020-09-16 10:38:26
General Ledger	EDMC OFSAA DRIM/Organization Unit	2020-09-16 10:38:26
Organization Unit Code	EDMC OFSAA DRIM/Product	2020-09-16 10:38:26
	Test AppORD	2020-09-16 10:38:26
	Test AppPROD	2020-09-16 10:38:26
	OFSAA DRIM QA/CHART_OF_ACCOUNTS	2020-09-16 10:38:26

4. Click **Next**. The list of dimensions registered in EDMCS to OFSA application and the dimension combination is displayed in the EDMCS Application Dimension drop-down list.
5. For the listed OFSAA Dimension list, select the required EMCS Application Dimension from the drop-down list, and click **Next**. This information is saved and used to configure data movement routines.

Figure 25: Oracle Data Relationship Management – Source Information

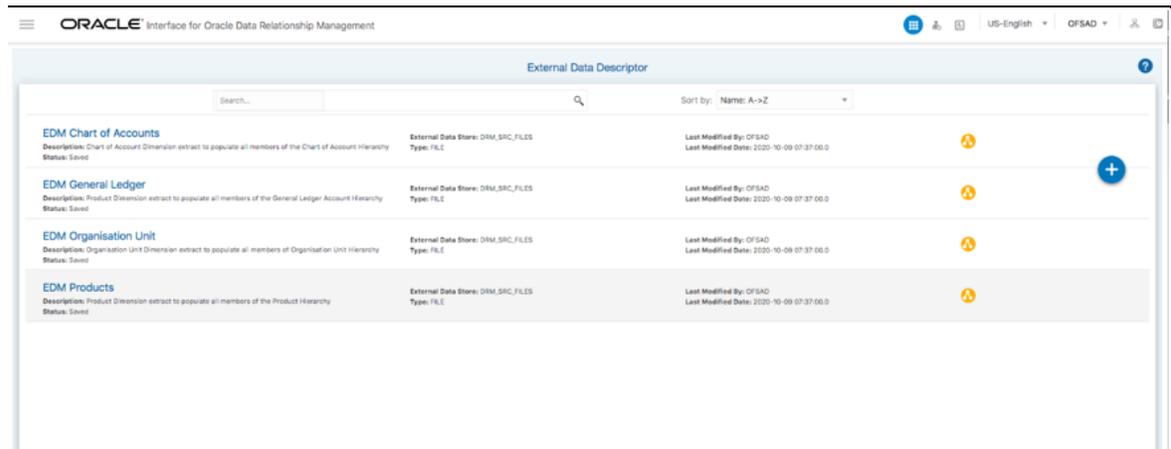


- Under the **Review**, click **Save and Deploy**. A confirmation message is displayed: “Deployment Successful”.

NOTE It is possible to edit the EDMCS Application Dimensions and click **Save** at any given time.

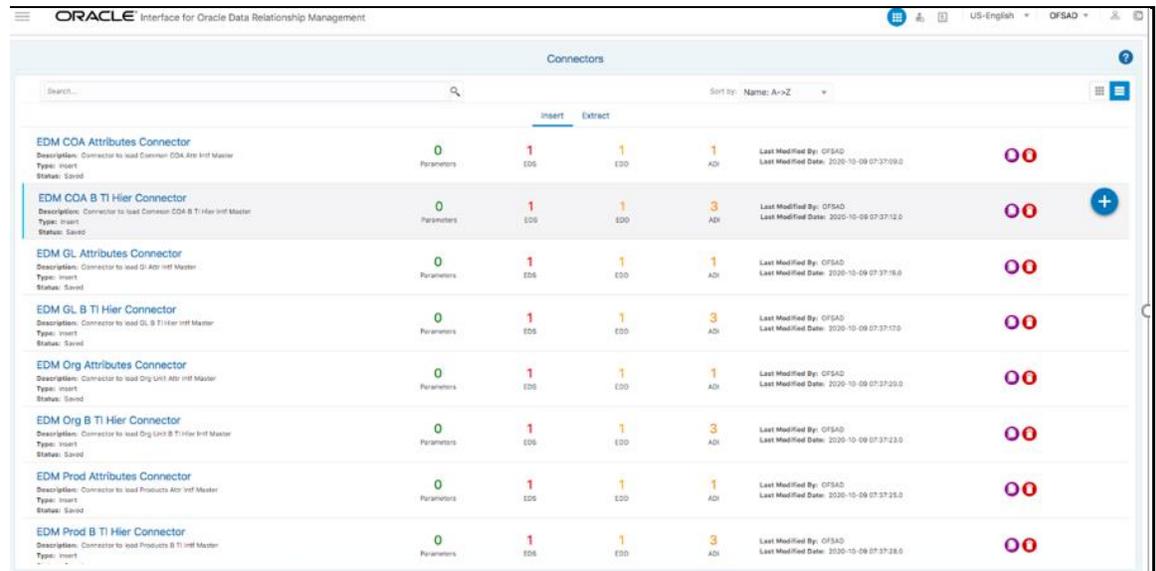
- To undeploy the connector, click **Undeploy All**. A message is displayed: “Are you sure you want to Undeploy the Selected Version?”
- Click **Yes** to proceed.
- To check deployed EDDs and Mappings, select **DRM Data Mapping** from the **Interface for Oracle Data Relationship Management** window, and then select **External Data Descriptor**. These are EDDs defined as standard, reflecting the data expected from EDMCS.

Figure 26: External Data Descriptor Summary Window



- To check deployed Connectors and Mappings, select **DRM Data Mapping** from the **Interface for Oracle Data Relationship Management** window, and then select **Connectors**. These are the Connectors that perform data movement into Staging entities.

Figure 27: Connectors Summary Window



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

Table 5: Deployed EDMCS DRM EDD and Connectors List

EDD	Connectors	Dimension
EDM Organization Unit	EDM Org Attributes Connector	Organization Unit Code
EDM Organization Unit	EDM Org B TI Hier Connector	Organization Unit Code
EDM Products	EDM Prod Attributes Connector	Product
EDM Products	EDM Prod B TI Hier Connector	Product
EDM Chart of Accounts	EDM COA Attributes Connector	Chart of Accounts
EDM Chart of Accounts	EDM COA B TI Hier Connector	Chart of Accounts
EDM General Ledger	EDM GL Attributes Connector	General Ledger
EDM General Ledger	EDM GL B TI Hier Connector	General Ledger

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

4.7 OFSAA-EDMCS Interface Modifications or Upgrade

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

4.7.1 Deploying Upgraded Source Version

If there is an upgraded source application available, ensure to select undeploy all to undeploy the existing version of the connector, and then select the upgraded source version to deploy. The current available source version for DRM connector supports:

- Data Relationship Management - 11.1.2.3/11.1.2.4
- Enterprise Data Management Cloud Service

4.7.2 Changes in Store Settings

If there is a change in the ODI or 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 or External Data Descriptor is in published mode. Unpublish all the Connectors or External Data Descriptor before you proceed to undeploy.

For more information on how to undeploy a connector, see [Deploying or Undeploying OFSAA-DRM Connectors](#) section.

4.8 Publishing and Executing OFSAA-EDMCS Connectors to ODI environment through DIH

After the predefined OFSAA EDMCS connectors are deployed, they must be published and executed.

To publish and execute OFSAA-EDMCS Connectors to ODI environment through DIH, OFSAA-DRM Interface Export Details see [Publishing and Executing OFSAA-DRM Connectors to ODI environment through DIH](#).

4.9 EDMCS Dimension Type Information

4.9.1 Chart of Accounts

See the Chart of Accounts ([COA](#)) file for the DRM Column Name and the Target Logical Name.

4.9.2 General Ledger

See General Ledger ([GL](#)) file for the DRM Column Name and the Target Logical Name.

4.9.3 Organizational Unit

See the [Organizational Unit](#) file for the DRM Column Name and the Target Logical Name.

4.9.4 Product

See the [Product](#) file for the DRM Column name and the Target Logical Name.

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