# Table of Contents

**Preface** ........................................................................................................................................... 4  
  Audience ............................................................................................................................................. 4  
  Prerequisites ......................................................................................................................................... 4  
  Related Information Sources .................................................................................................................. 4  
  Acronyms ............................................................................................................................................... 4  

1 **Introduction to DRM to OFSAA Interface** ................................................................................. 6  
   1.1 Data Flow ...................................................................................................................................... 6  

2 **Deployment of Application Template** ..................................................................................... 7  

3 **Extraction of Generated Files** ..................................................................................................... 11  

4 **Mapping the OFSAA User to DRM User Groups** ..................................................................... 12  

5 **Logging into DRM-OFSA Interface** ......................................................................................... 15  

6 **Prerequisites for Deploying OFSAA-DRM Connectors** ......................................................... 17  

7 **Deploying OFSAA-DRM Connectors Using Refresh DRM Interface Menu** ....................... 20  
   8.1 Deploying Upgraded Source Version ......................................................................................... 23  
   8.2 Changes in ODI / External Data Store Settings .......................................................................... 23  

9 **Publishing OFSAA-DRM Connectors to ODI Environment through DIH** .............................. 25  

10 **Populating STG_HIERARCHIES_INTF Table Using fn_DRM_Pop_STG_HIER_INTF Post Load Changes Data Transformation** ................................................................. 26  

11 **OFSAA-DRM Interface Export Details** .................................................................................. 27  
   11.1 Filtering Properties using Node Type in DRM Application....................................................... 27  

12 **OFSAA-DRM Interface Properties** ......................................................................................... 29  

13 **Dimension Type – COA** ............................................................................................................ 30  
   13.1 List of COA tables ....................................................................................................................... 30  

14 **Dimension Type – GL** ............................................................................................................... 31  

15 **Dimension Type – Organizational Unit** .................................................................................. 32  

16 **Dimension Type – Product** ........................................................................................................ 33
17  PRE-REQUISITES FOR RUNNING OFSAA - DRM DATA LOADER DT (FN_DRMDataLoader) ............... 34
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 OTN documentation Library:

- Oracle Financial Services Data Integration Hub User Guide 8.0.3.0.0
- Oracle Financial Services Data Integration Hub Applications Pack Installation Guide Release 8.0.3.0.0
- DRM - OFSAA Integration Guide

Acronyms

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIH</td>
<td>Data Integration Hub</td>
</tr>
<tr>
<td>UI</td>
<td>User Interface</td>
</tr>
<tr>
<td>ODI</td>
<td>Oracle Data Integrator</td>
</tr>
<tr>
<td>ADI</td>
<td>Application Data Interface</td>
</tr>
<tr>
<td>KM</td>
<td>Knowledge Module</td>
</tr>
<tr>
<td>EDD</td>
<td>External Data Descriptor</td>
</tr>
<tr>
<td>Apps</td>
<td>Application</td>
</tr>
<tr>
<td>CASA</td>
<td>Current And Savings Account</td>
</tr>
<tr>
<td>Acronym</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>------------------------------------------</td>
</tr>
<tr>
<td>CL</td>
<td>Consumer Lending</td>
</tr>
<tr>
<td>ELCM</td>
<td>Enterprise Limits and Collateral Management</td>
</tr>
<tr>
<td>FX</td>
<td>Foreign Exchange</td>
</tr>
<tr>
<td>GL</td>
<td>General Ledger</td>
</tr>
<tr>
<td>MM</td>
<td>Money Marketing</td>
</tr>
<tr>
<td>TD</td>
<td>Term Deposit</td>
</tr>
<tr>
<td>FIS</td>
<td>FLEXCUBE Information Server</td>
</tr>
<tr>
<td>EOFI</td>
<td>End of Financial Input</td>
</tr>
<tr>
<td>DRM</td>
<td>Data Relationship Management</td>
</tr>
</tbody>
</table>
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. 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 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.
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 8.0.3 in OTN.

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 (.xm) 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 OTN documentation library.

Seeded User Groups for OFSAA - DRM Interface

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRM Admin</td>
<td>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</td>
</tr>
<tr>
<td>DRM Data Mapping</td>
<td>User mapped to this group will have access to DRM Data Mapping Menu</td>
</tr>
<tr>
<td>DRM Operator</td>
<td>User mapped to this group will have access to Orchestration and Execution Menu</td>
</tr>
</tbody>
</table>

Identity Management
5 Logging into DRM-OFSA Interface

Access the DRM-OFSA 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 -OFSA 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.

Follow the below steps:

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

2. Select the entry which is present and click **Edit**.

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

<table>
<thead>
<tr>
<th>Settings Menu</th>
<th>Values Required</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODI User</td>
<td>User Name used for Login to ODI</td>
<td>SUPERVISOR</td>
</tr>
<tr>
<td>ODI Password</td>
<td>ODI Password for the ODI user to login</td>
<td>odipassword</td>
</tr>
<tr>
<td>Master Repository DB User</td>
<td>Master Repository DB Schema User Name created for ODI</td>
<td>DIHDEV_ODI_REPO</td>
</tr>
<tr>
<td>Master Repository DB Password</td>
<td>Master Repository DB Schema Password</td>
<td>dbpassword</td>
</tr>
<tr>
<td>Master DB Driver</td>
<td>Oracle Driver (Use the Default)</td>
<td>oracle.jdbc.OracleDriver</td>
</tr>
<tr>
<td>Master DB Connection</td>
<td>Oracle Database JDBC URL</td>
<td>jdbc:oracle:thin:@10.184.135.6:1521:DIHDB</td>
</tr>
<tr>
<td>Work Repository</td>
<td>Repository used inside ODI</td>
<td>DIHREP</td>
</tr>
</tbody>
</table>
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** and click **Edit**.
5. Enter the location path of the DRM files. The Path should be in the same server 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, select Administration menu and Click Refresh ADI Menu. This will refresh 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.

7. Navigate to DIH Application, select Administration menu and click Refresh Target Datastores. This will refresh all the available target data stores.
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 can deploy only one version at a time.

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
8 Undeploying OFSAA-DRMConnectors 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, 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

Note: You can deploy only one source version at a time. You need to upgrade the source, undeploy the version and deploy the required version.

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.

Follow the below steps to undeploy:

1. 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_SETUPDETAILS table is configured with the required entries for STG_<Dimension>_<B / TL / HIER / ATTR>_INTF Tables.

Refer to the file FSI_DIM_LOADER_SETUPDETAILS 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