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

User Guide

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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	March 2021	Created the document with instructions for the usage of the OFS DRM Release 8.1.1.0.0.

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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 <u>OHC Documentation</u> <u>Library</u>:

- 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.	
italic	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.	
<u>Hyperlink</u>	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	
ADI	Application Data Interface	
КМ	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	
ММ	Money Marketing	
TD	Term Deposit	
FIS	FLEXCUBE Information Server	
EOFI	End of Financial Input	
DRM	Data Relationship Management	

DIH Foundation Extension for Data Relationship Management

2

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 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:

- Download the application from the Oracle Support Site (<u>My Oracle Support</u>) 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

< 🕘 10.210.66.243/drm-migration-client/		5	Ar ⊽ C Soogle	ا م
ORACLE: Data Relationship Management				
Home				
	Task	Description		
	Extract	Extract Metadata Objects from a Data Relationship Management System to a file for backup, storage, auditing, or loading into another system.		
	Load	Load Metadata Objects from a file into a Data Relationship Management System (such as from Development to Production). Existing objects with the same name will be updated.		
	Difference	Find and compare the differences of Metadata Objects between two sources, optionally generating a Metadata File with some or all of the different objects from both sources. The results can be used to restore data, undo unauthorized changes, or find misconfigured objects.		
	View File	Load a Metadata Objects File to browse, search, and view object properties.		

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

DEPLOYING OFSAA-DRM APPLICATION TEMPLATE

Figure 3: DRM Migration Client Window

ORACLE Data Relationship Management		
Home > Load Metadata		
	Upload File	
	Filename: Browse OESAA DRM INTERFACE TEMPLATE 15 OCT xml	1.
	Back Upload	

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

ORACLE Data Relationship Management				
Home > Load Metadata				
	Uploaded Fi	le Information		
Filename:	OFSAA_DRM_INTERFACE_TEMPLATE_15_OCT.xm	1		
File Checksum:	No Match; file has been modified!	Extracted From:	DRM_IUT_1	
Server Version:	11.1.2.3	Extracted By: Extracted At:	ADMIN 10/14/2014 10:46:49 PM	
Арр		Exclusion		
Version: File				
Version:				
	DRM	Extract		
Purnose				
Usage:				
			Back 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.

DEPLOYING OFSAA-DRM APPLICATION TEMPLATE

Figure 5: Login Connection Window

ORACLE' Data Relationship Management				Help Log
Home > Load Metadata				Current File: OFSAA_DRM_INTERFACE_TEMPLATE_15_OC
		Login Connection		
Connec	ections:	DRM_IUT_1	Сору	
Connec	ection Name:	DRM_IUT_1		
Conne	ection Url:	net.tcp://rws3261155:5212/Oracle/Drm/ProcessMai	1	
Userna	ame:	admin		
Passwe	vord:	•••••		
		Back Test	Connection Log In	
			Louis (ALT - AD	
	Success: 'admir	n' connected to 'net.tcp://rws3261155:5212/Oracle/Drm	Login (ALT + N)	

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

ORACLE: Data Relationship Management		Help Lo
Home > Load Metadata		Current File: OFSAA_DRM_INTERFACE_TEMPLATE_15_OC Current Connection: DRM_JUT_1
		Bad. Next
	Select Metadata Objects	Find
	Image: Construct of the second sec	, rna
		Next (ALT + N)

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

Figure 7: Review Load Metadata Object Dependencies Window

ORACLE Data Relationship Management		Help Logo
Home > Load Metadata		Current File: OFSM_DRM_INTERFACE_TEMPLATE_15_OCT. Current Connection: DRM_IUT_1
	Deview Load Matadata Object Dependencies	Back Next (ALT + N)
	Review Load Metadata Object Dependencies	These (see 1 + 14)
	⊘ Included Dependency ■ Server Dependency ▲ Excluded Dependency	
	Kissing Dependency Filter: Objects with Unresolved Errors Pa	age Size: 5
	Book [standard=COA BOOK] Lgnore dependencies • @Expert [Standard=COA_ATTL_COA_CODE_EXPORTS] • @Expert [Standard=CoA_ATTL_COA_CODE] • @Expert [Standard=CoA_ATTL_COA_CODE] • @Expert [Standard=CoA_ATTL_LABEL_COA_CODE] • @Expert [Standard=COA_ATTL_LABEL_ACCOLNT_TYPE_EXPORT] • @Expert [Standard=COA_ATTL_LABEL_ACCOLNT_TYPE] • @Expert [Standard=CO	

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

Figure 8: Run Load

ORACLE [®] Data Relationship Management			Help
CRACLE Data Relationship Management	Review Load Metadata Object Click "Run Load" when you are ready to (Processing may take several min) I Continue Load afte Flename: OFSAA_DRM_INTERFACE_TEMPLATE_15_OCT.xml File No Match; file has been modified!	Back Ru Dependencies begin the Load process. tes to complete) Error Extracted From: DRM_IUT_1 Extracted By: ADMIN Extracted At: 10/4/2014 10.46.49 PM	Her nLad Run Load (ALT + N)
	Server 11.1.2.3 Version: App Version: File Version: DRM Extract Purpose: Usage:		

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 infodom 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 (b) 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 \equiv 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

	es Analytical Applications					User: AAAIUSER
Security Management Security Management User Administrator User Maintenance Sec Group Maintenance User - User Group Map	User - User Group Map User - User Group Map					G Sauch D Baret
Profile Maintenance Ser Authorization Ser Group Authorization Ser Group Authorization Authorization for User Group Fol	User ID			Name		1-5/5 K <> X
Viser Group Domain Map Ser Group Role Map User Group Role Map User Group Role Map User Sroup Folder Role Map User Stroup Folder Role Map User Achivity Report User Profile Report	GSEF GSEF Group map GSEF GSEF GSEF GUEST GUEST SYSADMN		Name AAAIUSER Guest Login REDUSER System Administrator			
Linde 04	SYSAUTH	thtps://wh00askinorade.com/7002/7v/ User - User Group Map>User - User Group Map Vser - User Group Map Search	System Authorizer JserCode=SYSADMN&vRet Group Map	ult=&vUserName=SYSADMN&vStarL.	- X	Records Per Page 5 1 - 2/2 ≤ € > ≫ SMS SMS
		V User Groups Members Autocil Autocil Data controller Deta controller IPADMN Modeling Administrator	>	Selected Members Identity Administrator System Administrator		

 For details on mapping users to user groups, see the <u>OFS Advanced Analytics</u> <u>Infrastructure User Guide</u>. 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

DRM-OFSAA INTEGRATION

PREREQUISITES FOR DEPLOYING OFSAA-DRM CONNECTORS

ORACLE [®] Financial Services Analytical Applications		•	About
3			
	Language	US-English •	
	User ID		
	Password		
		Login	
	Version 8.0.6.0.0 Copyright © 1993,	, 2018 Oracle and/or its affiliates. All rights reserved.	

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.

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

DRM-OFSAA INTEGRATION

DEPLOYING OR UNDEPLOYING OFSAA-DRM INTERFACE CONNECTORS

OR/	ACLE' Data Integration H	lub				Configure † Map © Publis	h 🔟 Analyse 🚯 Help
Settings	Refresh ADI T Parameters	💼 External Data	Store				
						C Reload I Va	lidate Datamodel • Start
0	Run ID: 112	Version Id: 10	Start time: 2020-05-06 20:51:03.724	Infodom: DIHINFO	End time: 2020-05-06 20:56:10.358	Status: Success	u 🛃
۲	Run ID: 111	Version Id: 9	Start time: 2020-05-06 20:35:28.843	Infodom: DIHINFO	End time: 2020-05-06 20:41:25:216	Status: Success	u 🕹
0	Run ID: 110	Version Id: 8	Start time: 2020-05-05 20:01:20.615	Infodom: DIHINFO	End time: 2020-05-05 20:07:32.512	Status: Success	ม 🛃
۲	Run ID: 109	Version Id: 7	Start time: 2020-05-05 19:47:53.353	Infodom: DIHINFO	End time: 2020-05-05 19:54:34:508	Status: Success	u 🕹
0	Run ID: 108	Version Id: 6	Start time: 2020-05-04 12:54:40.33	Infodom: DIHINFO	End time: 2020-05-04 13:00:15:509	Status: Success	u 🛃
0	Run ID: 107	Version Id: 5	Start time: 2020-04-16 20:28:44.412	Infodom: DIHINFO	End time: 2020-04-16 20:31:30.148	Status: Success	u 🕹
0	Run ID: 106	Version Id: 4	Start time: 2020-04-16 20:02:11:448	Infodom: DIHINFO	End time: 2020-04-16 20:05:51.511	Status: Success	u 🕹
0	Run ID: 105	Version Id: 3	Start time: 2020-04-16 19:56:50.696	Infodom: DIHINFO	End time: 2020-04-16 20:00:29.738	Status: Success	u 🕹
0	Run ID: 104	Version Id: 2	Start time: 2020-04-16 17:32:23.967	Infodom: DIHINFO	End time: 2020-04-16 17:35:36.957	Status: Success	u 🕹
0	Run ID: 103	Version Id: 1	Start time: 2020-04-16 14:06:24.993	Infodom: DIHINFO	End time: 2020-04-16 14:09:19.284	Status: Failed	۰.
0	Run ID: 102	Version Id: 1	Start time: 2020-03-24 18:41:18:525	Infodom: DIHINFO	End time: 2020-03-25 01:13:14.947	Status: Success	u 🛃
0	Run ID: 101	Version Id: 0	Start time: 2020-03-24 17:35:44.407	Infodom: DIHINFO	End time: 2020-03-24 17:38:28.713	Status: Failed	۵.
0	Run ID: 100	Version Id: 0	Start time: 2020-03-23 01:19:43.074	Infodom: DIHINFO	End time: 2020-03-23 07:48:09.964	Status: Success	ы 🕹

• Click **Start**. This refreshes and creates the Application Data Interfaces for all the staging tables present in the model which are uploaded in the same Infodom.

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.

 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

≡		for Oracle Data Relationship Management			🔲 歳 🗈	US-English 🔻	OFSAD 🔻
Con	figuration						
			Source Applicaton Version:	Data Relationship Management - 11.1.2.3 💌			
		OFSAA Dimensions					
		Product					
		Chart of Account					
		General Ledger					
		Organization Unit Code					
					Deploy		

- **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.

DEPLOYING OR UNDEPLOYING OFSAA-DRM INTERFACE CONNECTORS

 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

	External Data Descriptor					
	Search		9	Sort by: Name: A->Z	v	
RM COA Attributes escription: Chart of Account extract to pop atus: Saved	sulate attributes of Chart of Account Interface Con.	External Data Store: DRM_SRC_FILES		Last Modified By: OFSAD Last Modified Date: 2018-07-06 13:39:00.0	0	•
RM COA Hierarchy Details scription: Chart of Account extract to pop atus: Saved	; Julate all hierarchy details of the Chart of Account .	External Data Store: DRM_SRC_FILES		Last Modified By: OFSAD Last Modified Date: 2018-07-06 13:39:00.0	۵	
RM Chart of Accounts B escription: Chart of Account extract to pop atus: Saved	sulate all members of the Chart of Account Hierar.	External Data Store: DRM_SRC_FILES Type: FILE		Last Modified By: OFSAD Last Modified Date: 2018-07-06 13:39:00.0	0	
RM Chart of Accounts TL escription: Chart of Account Extract to pop atus: Saved	sulate description of members of the Chart of Acc	External Data Store: DRM_SRC_FILES Type: FILE		Last Modified By: OFSAD Last Modified Date: 2018-07-06 13:39:00.0	0	
RM GL Attributes escription: General Ledger Account extract atus: Saved	to populate attribute of General Ledger Interface.	External Data Store: DRM_SRC_FILES		Last Modified By: OFSAD Last Modified Date: 2018-07-06 13:39:00.0	0	
RM GL Hierarchy Details scription: General Ledger Account extract atus: Saved	to populate hierarchy details of General Ledger	External Data Store: DRM_SRC_FILES Type: FILE		Last Modified By: OFSAD Last Modified Date: 2018-07-06 13:39:00.0	0	

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





The following are the DRM EDD and 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_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 undelopy 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

3.8 Executing OFSAA-DRM Connectors

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

To execute OFSAA-DRM Connectors, follow these steps:

1. After successfully deploying 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

Batch Execution					0
∨Batch Mode					
	Mode 🖲	Run 🔿 Restart 🔿 Rerun			
✓Search					Q Search "O Reset
	Batch ID Like DIH	HINFO_DRM	Batch Descri	ption Like	
	Module	~	Last Modifica	ation Date Between 🗂 And	Ê
✓Batch Details	Schedule Batch				
Batch ID ▲			Batch Description		
DIHINFO_DE	(M_CONNECTORS_/UC	382	TO EXECUTE DRIVI CON	nectors	eservela Days Dagas 15
Page 1 011	(1-1 of 1 items) K X	7 /		r.	ecolds rel rage 15
~Task Details 🖾	Exclude/Include 🕮	Hold/Release			
Task ID ≜	Task Description Task to execute	Metadata Value	Component ID	Precedence	Task Status
Task1	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	Taskó	N
Task8	Task to execute DRM GL Translation Connector	DRM GL Translation Connector	DIH CONNECTORS	Task7	N
Task9 Task10	Task to execute DRM Org มัณฑี Org Base Connector	DRM Org Attributes Connector URM Org Base Connector	DIH EONNEETORS	Task8 Iask9	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) K ≺	к <		R	ecords Per Page 15
~Information Dat	e				
	Date	**			
			Execute Batch		
				Copyright © 1993, 2020, Oracle and/or its aff	iliates. All rights reserv

Figure 21: Enterprise Data Management Cloud Service Batch

OFSAA-DRM	INTERFACE EXPORT	Γ ΠΕΤΔΙΙ S
	INTERFACE LAPOR	

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~Search					Q. Search "D Reset
	Batch ID Like DI	HINFO_DRM	Batch Description	on Like	
	Module	~	Last Modificatio	n Date Between 🗂 And	č
✓Batch Detail	ls 🐨 Schedule Batch				
Batch ID 4	<u> </u>		Batch Description		
	DRM_CONNECTORS_70	083	To Execute DRM Connect	tors	
Page 1 of	1 (1-1 of 1 items) 🔣 🔇	K <		F	Records Per Page 15
Task Details	📴 Exclude/Include 🕮	Hold/Release			
isk ID ≜	Task Description	Metadata Value	Component ID	Precedence	Task Status
ısk1	Task to download Product Dimension File from EDMCS	DIHEDMCSExtract.sh, DIHINFO, OFSAD, DRM, PROD	RUN EXECUTABLE	START	Ν
isk2 isk3	Task to download Chart of Account Dimension File Dimension File from EDMCS	DIHEDMCSExtract.sh,DIHINFO,OFSAD,DRM,COA DIHEDMCSExtract.sh,DIHINFO,OFSAD,DRM,GL	RUN EXECUTABLE RUN EXECUTABLE	Task1 Task2	N N
isk4	Task to download Organization Unit Code Dimension File from EDMCS	DIHEDMCSExtract.sh, DIHINFO, OFSAD, DRM, ORG_UNIT	RUN EXECUTABLE	Task3	N
ısk5	Task to execute EDM COA Attributes Connector	EDM COA Attributes Connector	DIH CONNECTORS	Task4	N
sk6	Task to execute EDM COA B TI Hier Connector	EDM COA B TI Hier Connector	DIH CONNECTORS	Task5	Ν
ısk7	Task to execute EDM GL Attributes Connector	EDM GL Attributes Connector	DIH CONNECTORS	Task6	N
isk8	Task to execute EDM GL B TI Hier Connector	EDM GL B TI Hier Connector	DIH CONNECTORS	Task7	N
ısk9	Task to execute EDM Org Attributes Connector	EDM Org Attributes Connector	DIH CONNECTORS	Task8	N
isk10	Task to execute EDM Org B TI Hier Connector	EDM Org B TI Hier Connector	DIH CONNECTORS	Task9	Ν
isk11	Task to execute EDM Prod Attributes Connector	EDM Prod Attributes Connector	DIH CONNECTORS	Task10	N
isk12	Task to execute EDM Prod B TI Hier Connector	EDM Prod B TI Hier Connector	DIH CONNECTORS	Task11	N
age 1 of 1	(1-12 of 12 items) K <	к <		F	Records Per Page 15
Information D	Date	m			
	Date	Ēx	ecute Batch		

3.9 OFSAA-DRM Interface Export Details

To view the OFSAA-DRM Interface Export details see the <u>OFSAA DRM Interface Export</u> <u>Details</u> 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 <u>OFSAA DRM Interface</u> <u>Properties</u>.

3.11 DRM Dimension Type Information

3.11.1 Chart of Accounts

See the Chart of Accounts (<u>COA</u>) file for the DRM Column Name and the Target Logical Name.

3.11.2 General Ledger

See General Ledger (<u>GL</u>) 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 <u>Product</u> 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 <u>STG_HIERARCHIES_INTF</u> 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 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:

- <u>Product</u>
- <u>Chart of Accounts</u>
- 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 infodom must be authorized.

See <u>Mapping the OFSAA User to DRM User Groups</u> 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 <u>Accessing the DRM-OFSAA Interface</u> 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 <u>Prerequisites for Deploying OFSAA-DRM Connectors</u> 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.

 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

DEPLOYING OR UNDEPLOYING OFSAA-EDMCS INTERFACECONNECTORS

\equiv	ORACLE [®] Interface for Oracle Data	a Relationship Management				💼 💩 🖪 US-English 👻	OFSAD = 🔏 🖸
Conf							(?)
			٤	Source Applicaton Version: Enterprise Data Management Cloud Ser *			
	< Back	1 API Configuration		Select Dimensions	Review	Next >	
	OPSAA Dimensions Product		* EDMCS Url	http://sicar276.usdv1.oraclecloud.com:10923/epm/rest/v1 epm_default_cloud_admin			
	Chart of Account		Password				
	General Ledger						

- **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

LE [®] Interface for Oracle Data F	Relationship Management			🔲 💩 🗉 🛛 US-English	▼ OFSAD ▼ Å □
					0
		Source Applicaton Version:	terprise Data Management Cloud Ser =		
< Back	API Configuration	2 Select Dimen	sions Re	Next	>
OFSAA Dimensions	EDMCS Application Dir	renations	Updated Dat		
Product	Test App/Product	·	2020-09-	16 11:52:54	
Chart of Account	EDMC OFSAA DRI EDMC OFSAA DRI EDMC OFSAA DRI	//Organization Unit //Drganization Unit	2020-09-	16 10:38:26	
General Ledger	Test App/ORG Test App/PROD		2020-09-	16 10:38:26	
Organization Unit Code	Test App/Product OFSAA DRM QA/C	HART_OF_ACCOUNTS	2020-09-	16 10:38:26	
Organization Unit Code	OFSAA DRM QA/C	HART_OF_ACCOUNTS	2028-09-1	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

EDMCS-OFSAA INTEGRATION

DEPLOYING OR UNDEPLOYING OFSAA-EDMCS INTERFACECONNECTORS

=	ORACL	€ Interface for Oracle Data R	Relationship Management			🚓 🗄 US-English 🔻	ofsad 🐐 🙏 🔯
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				Source Applicaton Version: Enterprise Data Manager	ment Cloud Ser *		
		< Back	API Configuration	Select Dimensions	3 Review	Next >	
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	-	Product Chart of Account		Test App/Product Test App/COA			
		General Lødger		Test App/GL			
		Organization Unit Code		Test App/ORG			
						Save 0 Undeploy All	

6. 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.

- **7.** To undeploy the connector, click **Undeploy All**. A message is displayed: "Are you sure you want to Undeploy the Selected Version?"
- 8. 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

	ACLE" Interface for Oracle Data Relationship	Management					🕕 💩 🗉 US-English 👻 OFS	SAD - & D
			Extern	al Data Descriptor				0
	Search			۹,	Sort by: Name: A->Z	v		
EDM Ch Description Status: Sove	ert of Accounts Chart of Account Dimension extract to populate all members of the Chart I	t of Account Hierarchy	External Data Store: DRM_SRC_FILES Type: FILE		Last Modified By: OFSAD Last Modified Date: 2020-10-00 07:37:00.0		0	
EDM Ge Description Status: Save	neral Ledger Product Dimension extract to populate all members of the General Ledge	er Account Herarchy	External Data Store: DRM_SRC_FILES Type: FILE		Last Modified By: OFSAD Last Modified Date: 2020-10-09 07:37:00.0		0	•
EDM On Description Status: Save	anisation Unit Organisation Unit Dimension extract to populate all members of Organiss I	ation Unit Hierarchy	External Data Store: DRM_SRC_FILES Type: FILE		Lest Modified By: OFSAD Lest Modified Date: 2020-10-09 07:37:00.0		0	
EDM Pro Description Status: Seve	ducts Product Dimension extract to populate all members of the Product Hera I	rohy	External Data Store: DRM_SRC_FILES Type: FILE		Lest Modified By: OFSAD Lest Modified Date: 2020-10-09 07:37:00.0		0	

 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

EDMCS-OFSAA INTEGRATION

ORACLE [®] Interface for Oracle Data Relationship Management	nt			(II) &	US-English v OFSAD v 🚴 🖸
		Conr	nectors		0
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EDM GL Attributes Connector Description: Connector to load 01 Attriht Master Type: Intert Status: Sevel	0 Parameters	1 cos	1 500	Last Medified By: 0F560 ADI Last Medified Date: 2020-10-09 0737150	00
EDM GL, B TI Hier Connector Description: Connector to load DL B TI Her Int! Master Type: Inset Status: Sevel	0 Parameters	1 EDS	1 000	3 Last Medified By: 0F5A0 ADI Last Medified Date: 2020-10-09 07:37:120	00
EDM Org Attributes Connector Description: Connector to load Org Unit Act Intt Master Type: Intert States: Send	0 Parameters	1 EDS	1 600	Last Medified By: OFEAD ADI Last Medified Date: 2020-10-00 07:37:20.0	00
EDM Org B TI Hier Connector Description: Connector to load Org Unit 8 Ti Hier Int Master Type: Intent States: Soud	0 Perameters	1 cos	1 EDD	3 Last Medified By: 075A0 ADI Last Medified Date: 2020-10-00 07:37:23.0	00
EDM Prod Attributes Connector Description: Connector to load Products Administ Master Type: Inset States: Sevel	0 Parameters	1 EDS	1 500	Last Medified By: 0F5A0 ADI Last Medified Date: 2020-10-09 07:37:25.0	00
EDM Prod B TI Hier Connector Description: Connector to load Products B TI Intif Master Type: Intert	0 Parameters	1 ros	1 EDD	3 Last Medified By: 0F8A0 ADI Last Medified Date: 2020-10-09 07:37:28.0	00

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	

11. 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 undelopy 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

4.8 Executing OFSAA-EDMCS Connectors

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

To execute OFSAA-EDMCS Connectors, see <u>Publishing and Executing OFSAA-DRM</u> <u>Connectors to ODI environment through DIH</u>.

4.9 EDMCS Dimension Type Information

4.9.1 Chart of Accounts

See the Chart of Accounts (<u>COA</u>) file for the DRM Column Name and the Target Logical Name.

4.9.2 General Ledger

See General Ledger (<u>GL</u>) file for the DRM Column Name and the Target Logical Name.

4.9.3 Organizational Unit

See the <u>Organizational Unit</u> file for the DRM Column Name and the Target Logical Name.

4.9.4 Product

See the <u>Product</u> file for the DRM Column name and the Target Logical Name.

OFSAA Support

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- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
- What features did you like most about this manual?

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