Oracle Financial Services Regulatory Reporting Datasets and Governance for Asia Pacific and Middle East Jurisdictions

Installation Guide

Release 8.1.2.1.0

January 2023

ORACLE
Financial Services

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OFS Regulatory Reporting Datasets and Governance for Asia Pacific and Middle East Jurisdictions Installation Guide

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Document Control

Version Number	Revision Date	Change Log
01	December 20, 2022	Created: Draft published
02	January 04, 2023	Created: Draft published
03	January 10, 2023	Final version published

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1 Preface

Oracle Financial Services Regulatory Reporting Datasets and Governance for Asia Pacific and Middle East Jurisdictions (OFS REG REP APME) enables banks to automate risk reporting to central banks and regulators in a single integrated environment. It automates end-to-end processes from data capture through submission with industry-leading solutions, eliminating the need for further manual intervention. It is a standalone product that has pre-built integration with Lombard's Solution for Regulatory Reporting - AgileREPORTER. The solution ensures data integrity allowing banks to focus more time on analyzing and gaining new business insight from their growing stores of data instead of preparing data and reports with the sole objective of meeting submission deadlines. This is made possible by:

- Providing centralized data storage for risk data through relevant subject areas of the Financial Services Data Foundation (FSDF).
- Interfacing with a Regulatory Reporting tool – Lombard AgileREPORTER to build necessary template reports to meet the regulatory expectations.
- Managing the accuracy of risk reporting through Data Governance Studio (DGS).

This document provides step-by-step instructions to install the Oracle Financial Services Regulatory Reporting Datasets and Governance for APAC and ME (OFS REG REP APME) Release 8.1.2.1.0.

Topics:

1.1 Audience

This document is meant for Oracle Financial Services Regulatory Reporting Datasets and Governance for the APAC and ME System Administrator. It provides step-by-step instructions necessary for installing the OFS REG REP APME application components.

1.2 Scope

This document provides a stepwise instruction to install Oracle Financial Services Regulatory Reporting Datasets and Governance for the APAC and ME (OFS REG REP APME).

1.3 Prerequisites for the Audience

The document assumes that you have experience in installing the Enterprise components. Basic knowledge about the Oracle Financial Services Data Foundation Application Pack components, OFSAA Architecture, UNIX commands, Database concepts, and Web Server/Web Application Server is recommended.

1.4 How this Guide is Organized

The Installation Manual is organized into the following chapters:

- **Pre-Requisites** section identifies the hardware and base software environment that is required for a successful installation and functioning of the Oracle Financial Services Regulatory Reporting Datasets and Governance for the APAC and ME.
- **Preparing for the Installation** section details the steps to be followed during the installation and post-installation.
- **Deploying Package** section details the steps to deploy config and template packages after the successful installation of Oracle Financial Services Regulatory Reporting Datasets and Governance for the APAC and ME.

1.5 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info
Or, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

1.6 Related Documents

This section identifies additional documents related to Oracle Financial Services Regulatory Reporting Datasets and Governance for the APAC and ME. You can access Oracle documentation online from OHC Documentation Library:

- Oracle Financial Services Regulatory Reporting Datasets and Governance for APAC and ME (OFS REG REP APME) User Guide Release 8.1.2.1.0
- Oracle Financial Services Data Foundation Installation Manual Release 8.1.2.0.0
- Oracle Financial Services AgileREPORTER Installation Manual Release 8.1.1.0.0
- Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide (present in this OHC Documentation Library)

1.7 Conventions and Acronyms

The following conventions and acronyms are used in this document.

Table 1: Conventions and Description

Conventions	Description
References to sections or chapters in the manual are displayed in *Italics*. Screen names are displayed in the following manner: **Introduction screen** Options and buttons are displayed in **Bold**. Code related text is displayed in Monospace.	
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
OFS AAAI	Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack
RHEL	Red Hat Enterprise Linux
Atomic Schema	Database schema where the application data model is uploaded.
Config Schema	Database schema which contains setup related configurations and metadata.
OFS REG REP APME	Oracle Financial Services Regulatory Reporting Datasets and Governance for Asia Pacific and Middle East Jurisdictions.

2 Hardware and Software Requirements and Specifications

This section describes the various Operating System, Database, Web Server, and Web Application Server version and other variant details on which this release of the OFS Regulatory Reporting Datasets and Governance for Asia Pacific and Middle East Jurisdictions (OFS REG REP APME) application has qualified.

See the OFS Analytical Applications Technology Matrix for Hardware and Software requirements for this release.

3 Preparing for Installation

This chapter provides the necessary information to review before installing the OFS REG REP APME Application v8.1.2.1.0.

3.1 Obtaining the Software

This release of OFS REG REP APME 8.1.2.1.0 can be downloaded from the My Oracle Support website. Log in and search for **34913729** under the **Patches and Updates** tab and download the `OFS_REG_REP_APME_8.1.2.1.0_GENERIC.zip` archive file.

You must have a valid Oracle account to download the software.

3.2 Prerequisites for Installation

The following are the prerequisites to install the OFS REG REP APME application:

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.1.2.0.0 (patch ID **32791983**) plus other prerequisite OFSAAAI patches (see *Section 2.5 Installation Checklist* of OFSAAI Installation and Configuration Guide) needs to be installed and configured on your machine.
- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.2.0.0 (patch ID **33984652**) plus other prerequisite OFSDF patches (see the *section 4.1 Pre-installation Checklist* of OFSDF Application Pack Installation and Configuration Guide in the OHC Documentation Library) needs to be installed and configured on your machine.
- Oracle Financial Services Regulatory Reporting Datasets and Governance for Asia Pacific and Middle East Jurisdictions v8.1.2.0.0 (patch ID **33081683**) (see OFS Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions Installation and Configuration Guide) needs to be installed and configured on your machine.
- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.2.1.0 (patch ID **33716139**) plus other prerequisite OFSDF patches (see the *section 4.1 Pre-installation Checklist* of OFSDF Application Pack Installation and Configuration Guide in the OHC Documentation Library) needs to be installed and configured on your machine.
- Oracle Financial Services Regulatory Reporting Datasets and Governance for Asia Pacific and Middle East Jurisdictions v8.1.2.0.1 (patch ID **34150144**) (see OFS Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions Release Notes) needs to be installed and configured on your machine.
- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.2.2.0 (patch ID **33984652**) plus other prerequisite OFSDF patches (see the *section 4.1 Pre-installation*

Checklist of OFSDF Application Pack Installation and Configuration Guide in the OHC Documentation Library) needs to be installed and configured on your machine.

- Optional if using Vermeg AgileReporter for the end mile reporting templates.
  - AgileREPORTER version **21.3.0-b125**
  - AgileREPORTER APRA Template version **v1.21.1-b16930**
  - AgileREPORTER HKMA Template version **v5.27.1.6**
  - AgileREPORTER MAS Template version **v2.35.0-b74**
  - AgileREPORTER RBI Template version **v1.25.0**
- Ensure that you have executed the `.profile` file before you trigger the installation.
- Ensure that the FICServer is up and running before you trigger the installation.
  For information on restarting the services, see the OFS Analytical Applications Infrastructure Installation and Configuration Guide.
- Execute the following script in the atomic schema:
  - dim_indicator_values_hkma_update.sql
- The following table must be created using customized model upload:

Table 2: List of Properties and Parameters for customized model upload

Physical Table Name	Column Name	Logical Nam	Data Type	Domain	Null Allowed ?	PK	FK	Reference Table Name	Reference Column Name
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_MIS_DATE_SKEY	Extraction Date Surrogate Key	NUMBER(10)	SurrogateKey_Long	No	Yes	Identifying	DIM_DATES	N_DATE_SKEY
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_RUN_SKEY	Run Surrogate Key	NUMBER(10)	SurrogateKey_Long	No	Yes	Identifying	DIM_RUN	N_RUN_SKEY
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_ACCT_SKEY	Account Surrogate Key	NUMBER(15)	SurrogateKey_Long_Type2	No	Yes	Identifying	DIM_ACCOUNT	N_ACCT_SKEY
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_SEQ	Processing Sequence	NUMBER(10)	Number_Medium	No	Yes	No		
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_CELL_SKEY	Cell Surrogate Key	NUMBER(10)	SurrogateKey_Long	No	Yes	Identifying	DIM_REG_REPORT_CELL	N_CELL_SKEY
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_ENTITY_SKEY	Legal Entity Surrogate Key	NUMBER(10)	SurrogateKey_Long	Yes	No	Non-Identifying	DIM_ORG_STRUCTURE	N_ENTITY_SKEY
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_VALUE_OF_MITIGANT_RCY	Value Of Mitigant In Reporting Currency	NUMBER(22,3)	AMOUNT	Yes	No	No		
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_EOP_BAL_RCY	End Of Period Balance In Reporting Currency	NUMBER(22,3)	AMOUNT	Yes	No	No		
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_RUNNING_TOTAL	Running Total	NUMBER(22,3)	AMOUNT	Yes	No	No		
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_BALANCE_AMOUNT	Balance Of Amount	NUMBER(22,3)	AMOUNT	Yes	No	No		
FCT_REG_RISK_MIT_TYPE_EXPOSURE	N_REPORTING_AMOUNT	Reporting Amount	NUMBER(22,3)	AMOUNT	Yes	No	No		
FCT_REG_RISK_MIT_TYPE_EXPOSURE	V_COLL_GUAR_TYPE	Collateral Guarantee Type	VARCHAR2(50)	Code_Alphanumeric_Long_Type3	Yes	No	No		

3.3 Installing OFS REG REP APME 8.1.2.1.0 Release

Perform the following instructions to copy, extract, and install this release:

1. Copy the downloaded archive file to your OFSAA server in **Binary** mode.
2. Shut down all the OFSAA Services. For more information, see the *Stop Infrastructure Services* section in Oracle Financial Services Advanced Analytical Applications Infrastructure Installation and Configuration Guide.

   NOTE Ensure that the **FICSERVER** is up and running.

3. Execute the `chmod -R 750 $FIC_HOME`
4. If you have an Unzip utility, skip to the next step.

   Download the Unzip utility (OS-specific) `unzip_<os>.Z` from the location https://updates.oracle.com/unzips/unzips.html and copy it in **Binary** mode to the directory that is included in your PATH variable, typically **$HOME** path or directory in which you have copied the 8.1.2.1.0 installer.

   Uncompress the unzip installer file using the command:

   `uncompress unzip_<os>.Z`

   NOTE If you notice an error message "*uncompress: not found [No such file or directory]*", contact your UNIX administrator.

5. Execute the `chmod 751 OFS_REG_REP_APME_8.1.2.1.0_GENERIC.zip`
6. Execute the `unzip -a <name of the file to be unzipped>`

   For example: `unzip -a OFS_REG_REP_APME_8.1.2.1.0_GENERIC.zip`

7. Navigate to the /appsLibConfig/conf directory and update the parameter UPLOAD_MODEL=0 in params.conf file.
8. Execute the user `.profile`
9. Navigate to the `OFS_REG_REP_APME/bin` directory and execute `./setup.sh SILENT`
10. The installation progress can be viewed by periodically refreshing the log file under the `OFS_REG_REP_APME/logs` directory.
11. After installation is completed, verify the log file for any Errors or Warnings. Contact My Oracle Support in case of any issues.

    NOTE This patch installation has taken approximately 20 minutes to complete in Oracle Labs.

> **NOTE** There are no specific steps applicable for the installation on ADW in OFSAA for OFS REG REP APME. However, if you need more information on ADW, see the FSDF 8.1.2.2.0. Installation and Configuration Guide.

3.4 Post-installation Steps

The post-installation steps required for this release are as follows:

1. See the log file in the `/OFS_REG_REP_APME/logs` directory to ensure that there are no errors reported. Contact My Oracle Support in case of any issues.
2. Execute the following scripts in the atomic schema:
   - scd-380-dim_key_indicator-vw_key_indicator.sql
   - dim_key_indicator.sql
   - DEFD3111.sql
   - fn_process_plan_updates.sql
3. Generate the application EAR or WAR file and redeploy the application on the configured Web Application Server.
   For more information on generating and deploying the EAR or WAR file, see the *Post Installation Configuration* section in OFS Advanced Analytical Applications Infrastructure Installation and Configuration Guide.
4. Restart all the OFSAA services.
   For more information, see the *Start Infrastructure Services* section in the OFS Advanced Analytical Applications Infrastructure Installation and Configuration Guide.
5. You can deploy a specific report based on the jurisdictions available in OFS REG REP APME application.
   For more information, see the OFS REG REP APME User Guide Release v8.1.2.1.0.
6. Execute the following scripts in the config schema post report deployment of all reports:
   - HIREG002.sql - Replace ##INFODOM## placeholder with respective INFODOM before executing the script in config schema.
   - M0948.sql - Replace ##INFODOM## placeholder with respective INFODOM before executing the script in config schema.
7. Execute the following batches to Resave the Derived Entities of APRA:
   - APRA_<REPORT>_RESAVEDE
8. Execute the following batches to Refresh the Derived Entities of APRA:
   - APRA_<REPORT>_REFRESH
9. Execute the following batches to Resave hierarchies of APRA before executing the APRA reg run:
   - Seeded dimensions (one time): ##INFODOM##_APRA_RULE_SEEDED_HIER_RESAVE

- Custom dimensions(every time SCD is run or if there is any change in dimension data): ##INFODOM##_APRA_RULE_CUSTOM_HIER_RESAVE
- APRA Rules refer to mapper tables. For more information, see OFS REG REP APME User Guide 8.1.2.1.0

10. Execute the following batches to Resave the Derived Entities of MAS:
    - MAS_<REPORT>_RESAVEDE
11. Execute the following batches to Refresh the Derived Entities of MAS:
    - MAS_<REPORT>_REFRESH
12. Execute the following batches to Resave hierarchies of MAS before executing the MAS reg run:
    - Seeded dimensions (one time): ##INFODOM##_MAS_RULE_SEEDED_HIER_RESAVE
    - Custom dimensions(every time SCD is run or if there is any change in dimension data): ##INFODOM##_MAS_RULE_CUSTOM_HIER_RESAVE
    - MAS Rules refer to mapper tables. For more information, see OFS REG REP APME User Guide 8.1.2.1.0
13. Execute the following batches to Resave the Derived Entities of RBI:
    - RBI_RCAIII_RESAVEDE
14. Execute the following batches to Refresh the Derived Entities of RBI:
    - RBI_RCAIII_REFRESH
15. Execute the following batches to Resave hierarchies of RBI before executing the RBI reg run:
    - Seeded dimensions (one time): ##INFODOM##_RBI_RULE_SEEDED_HIER_RESAVE
16. Execute the following batches to Resave the Derived Entities of HKMA:
    - HKMA_<REPORT>_RESAVEDE
17. Execute the following batches to Refresh the Derived Entities of HKMA:
    - HKMA_<REPORT>_REFRESH
18. Execute the following batches to Resave hierarchies of HKMA before executing the HKMA reg run:
    - Seeded dimensions (one time): ##INFODOM##_HKMA_RULE_SEEDED_HIER_RESAVE
    - Custom dimensions(every time SCD is run or if there is any change in dimension data): ##INFODOM##_HKMA_RULE_CUSTOM_HIER_RESAVE
    - HKMA Rules refer to mapper tables. For more information, see OFS REG REP APME User Guide 8.1.2.1.0
19. Execute the following batches to Resave/Refresh the Derived Entity of Adjustments:
    - ##INFODOM##_APME_ADJUSTMENT_RESAVEDE
    - ##INFODOM##_APME_ADJUSTMENT_REFRESH
20. Follow the APRA/MAS/RBI RUN Chart for all the task execution for respective jurisdictions.

The Oracle Financial Services Regulatory Reporting for APAC and ME is now ready for use.

3.5 Configuring OFS REG REP APME 8.1.2.1.0 Release

This section provides the information to configure the OFS REG REP APME Application v8.1.2.1.0.

> **NOTE** Before configuring the OFS REG REP APME, it is mandatory to install OFS FSDF 8.1.2.1.0.

3.5.1 Post-Installation Configuration

The post-installation configuration steps are as follows:

1. Create the application-specific users and map them to the respective user groups available in the application. Whenever you create or modify the User-to-User group mapping, execute step 2 to step 4.

   > **NOTE** Do not map the group **DGREPANGRP** and **DGREPMANGRP** while mapping the group to the user.

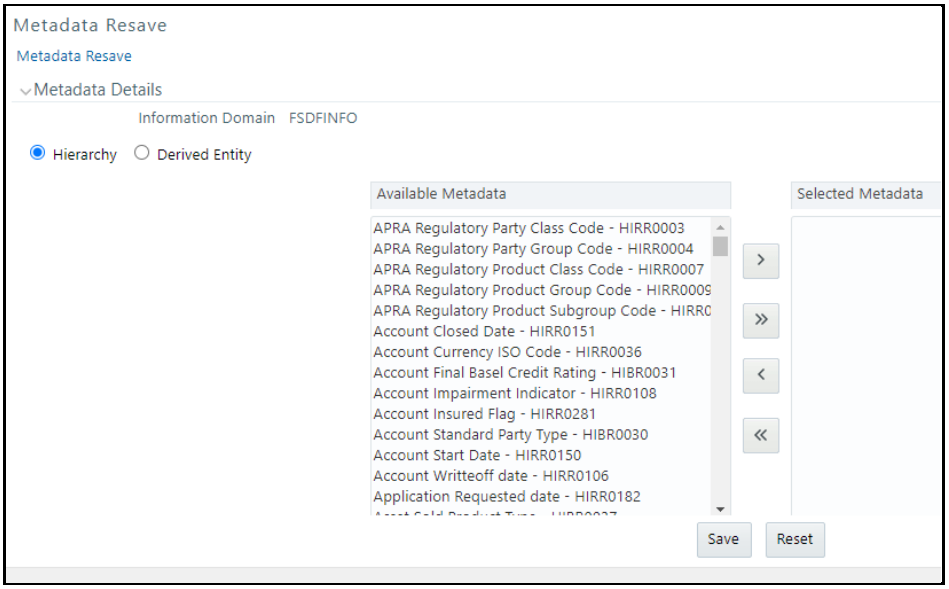
2. After the successful installation, execute the batch **<INFODOM>_USER_ROLES**.
3. Perform the following steps:
   a. Resave the following derived entities:
      - DEATNAME: DE Attribute Name
      - DE Business Line
      - DEGLSTERM: DE Business Term **DGREPMANGRP**
      - DE Components
      - DE Document Type
      - DEENNAME: DE Entity Name
      - DE Frequency
      - DE KI Frequency
      - DE Location
      - DE Measure Scale
      - DE Process
      - DE Risk Categories
      - DE User List
      - DE_GROUP
      - PMREPLINK

   b. Resave the following hierarchies:
      - HDGENNAM: Entity Name Hierarchy

- HDGATNAM: Attribute Name Hierarchy
- HDGGLTRM: Business Term Hierarchy
- Reports Hierarchy

4. In the **Financial Services Data Foundation** page, navigate to **Unified Analytical Metadata** and select **Business Metadata Management** and then select **Save Metadata**.
5. In the **Metadata Resave** window, select the available Metadata and click **Save**. This saves the hierarchies.

Figure 1: Metadata Resave page



6. Compile the backend objects such as functions, procedures, and packages.
   - Execute the following statement after replacing the atomic schema name:

```
begin
DBMS_UTILITY.compile_schema(schema => '##Atomic_schema_name##');
end;
```

7. For Tomcat 9, modify the `Server.xml` with the below content and restart the servers:

```
<Connector port="##Port_number##" protocol="HTTP/1.1"
connectionTimeout="20000"
redirectPort="8443" relaxedQueryChars="{}[]`~"
relaxedPathChars="{}[]`~" />
```

3.5.2 Map the Application APME User (or Users) to User Group

User *UserGroup Map* facilitates you to map a user (or users) to a specific user group that in turn is mapped to a specific Information Domain and role. Every user group mapped to the Information Domain needs to be authorized, otherwise, it cannot be mapped to users.

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

Starting with the OFSAA 8.1 release, with the installation of the OFS APME Application, preconfigured Application user groups are seeded. These user groups are unique to every OFSAA Application and have application roles pre-configured.

You can access the **User UserGroup Map** by expanding the **Identity Management** pane within the tree structure of the LHS menu.

After the user is created for Data Governance for different jurisdictions, it must be mapped to the required user groups as per their roles.

Create application-specific users and map them to the respective user groups available in the application. Create a group, map the following roles, and assign them to the user.

Table 3: DG User Group Map

V_Role_code	V_Role_name	V_Role_desc
MDBACCESS	MDB Access	Metadata Browser Access
MDBREAD	MDB Read	Metadata Browser Read-only
MDBWRITE	MDB Write	Metadata Browser Write
INBOXACC	Inbox Access	Inbox Access
LINEAGE	LINEAGE	Role code for LINEAGE
ACTNANLST	Action analyst	privilege to manage action and create or delete an adjustment
ISSUEADMN	Issue admin	privilege to create and close issues
ISSUEANLST	Issue analyst	Manage issues and create action for the issues
MDRGENXML	DGS MDR Generate XML	MDR Generate XML
CTLVIEWR	Control viewer	Control viewer role
ISSASR	Issue Owner	Issue Owner
MDREDIT	DGS MDR Edit	MDR Edit
MDRADD	DGS MDR Add	MDR Add
ACTASR	Action Assessor	Action Assessor
CDEVIEWR	Critical Data Elements	Critical Data Elements viewer role
MDRDWNLD	DGS MDR Download	MDR Download
ACTVIEWER	Action Viewer	Action Viewer
MDRDELETE	DGS MDR Delete	MDR Delete

V_Role_code	V_Role_name	V_Role_desc
DGADMINR	DG Administration	DG Administration role
BTVIEWR	Business terms viewer	Business terms viewer role
DGSADMINRL	DGS Administrator	DGS Administrator Role
MDRGEN	DGS MDR Generate	MDR Generate
ISSAPR	Issue Creator	Issue Creator
ADJCREATOR	Adjustment Creator	Adjustment Creator Role
ADJGRPCREA	Adjustment Group Create	Adjustment Group Create Role
ADJAPPROVE	Adjustment Approver	Adjustment Approver Role
ADJGRPAPPR	Adjustment Group Approver	Adjustment Group Approver Role

NOTE

- Do not map the group DGREPANGRP and DGREPMANGRP while mapping the group to the user.
- Adjustment Approver and Adjustment Creator must not be mapped to the same user.

1. After successful installation, execute the batch <INFODOM>_USER_ROLES.
2. Perform these steps:
   a. Resave the following mentioned derived entities:
      - DEATNAME: DE Attribute Name
      - DE Business Line
      - DEGLSTERM: DE Business Term
      - DE Components
      - DE Document Type
      - DEENNAME: DE Entity Name
      - DE Frequency
      - DE KI Frequency
      - DE Location
      - DE Measure Scale
      - DE Process
      - DE Risk Categories
      - DE User List
      - DE_GROUP

- PMREPLINK

b. Resave the following hierarchies:

- HDGENNAM: Entity Name Hierarchy
- HDGATNAM: Attribute Name Hierarchy
- HDGGLTRM: Business Term Hierarchy
- Reports Hierarchy

3. Compile the backend objects such as functions, procedures, and packages that are related to DGS.

- Execute below statement after replacing Atomic schema name

```
begin
DBMS_UTILITY.compile_schema(schema => '##Atomic_schema_name##');
end;
```

3.5.3 Executing Scripts in Atomic Schema

Login to Atomic Schema and execute the following scripts:

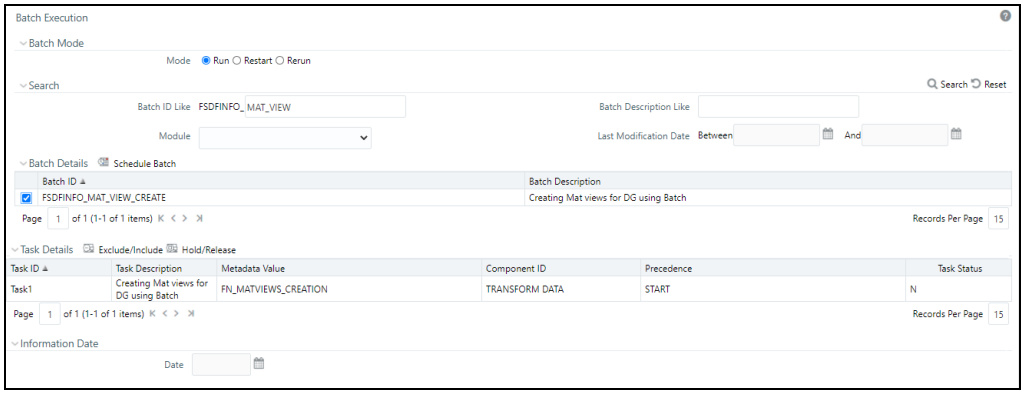
- DGS_DIM_OR_STATUS.sql
- DGS_DIM_OR_STATUS_MLS.sql

3.5.4 Materialized View Creation Batch

To materialize the view creation batch, follow these steps:

1. From the **Financial Services Data Foundation** window navigate to **Operations** and select **Batch Execution**.
2. Execute the batch **##INFODOM##_MAT_VIEW_CREATE** on sysdate. This batch creates the materialized views needed.

Figure 2: Batch Execution Window

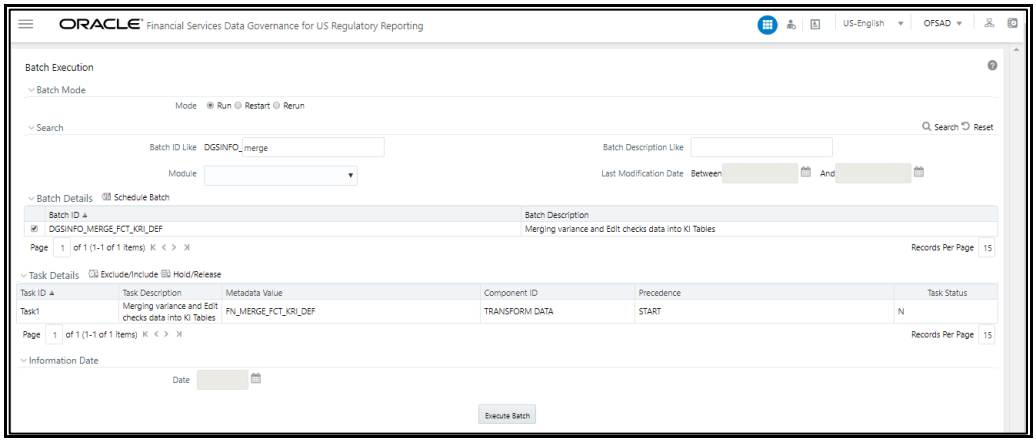


3.5.5 Merging Key Indicators

To merge the Key Indicators, follow these steps:

1. From the **Financial Services Data Foundation** window navigate to **Operations** and select **Batch Execution**.
2. Execute the Batch Name as **MERGE_FCT_KRI_DEF**. This batch is used to merge the variance and edit checks into the Key Indicators.
3. Enter the current system date as the **MISDATE** for this batch.

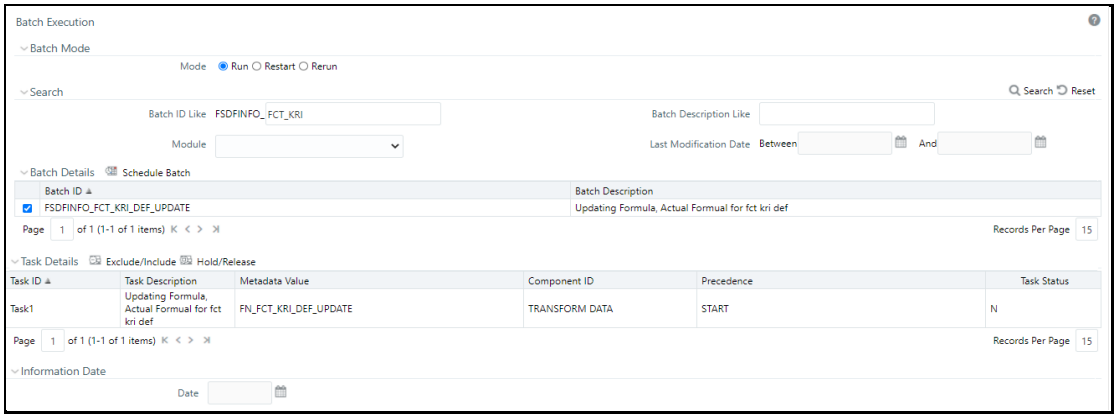
Figure 3: Batch Execution Window



3.5.6 Updating Measures for the Packaged Key Indicators

From the **Financial Services Data Foundation** page, navigate to **Operations** and then select **Batch Execution**. Run the batch **##INFODOM##_FCT_KRI_DEF_UPDATE** on sysdate.
This batch updates the Actual Formula for the Key Indicators.

Figure 4: Batch Execution Window



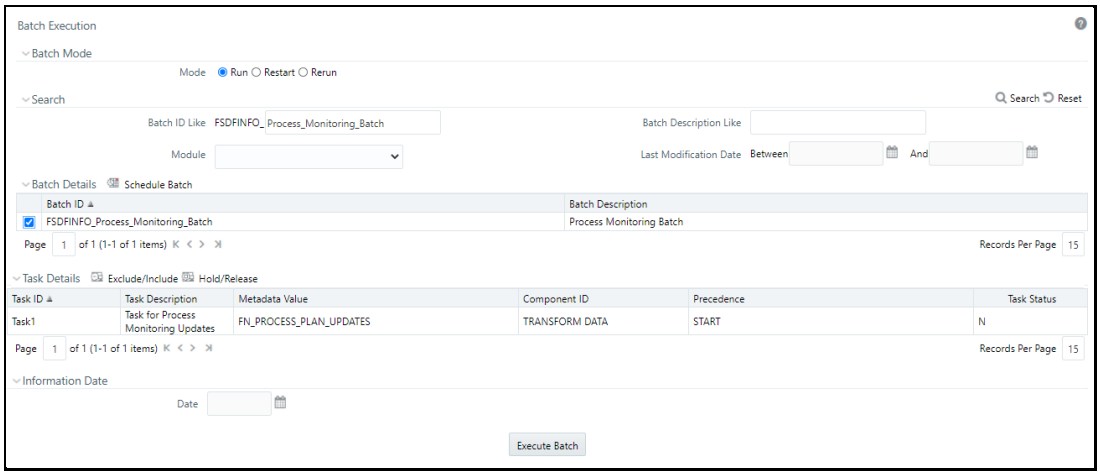
3.5.7 Configuring Process Monitoring Runs and Tasks

Before configuring the runs and tasks, ensure that the Metadata Browser publish is performed.

As part of configurations perform the following steps to load the Process Monitoring related runs and task:

1. In the **Financial Services Data Foundation** page**,** navigate to **Operations** and then select **Batch Execution**.
2. Search for the batch ID **Process_Monitoring_Batch**.

Figure 5: Batch Execution Window



3. Select the **MIS Date** and execute the batch **Process_Monitoring_Batch**. Ensure that the batch is executed successfully.

3.5.8 Updating DGS Configuration

To update the DGS configuration with the relevant user for the modules Issue, Action, and Control, update the **n_lookup_value** column in the table **fsi_dgs_configuration** against the following **v_lookup_code** with the respective users.

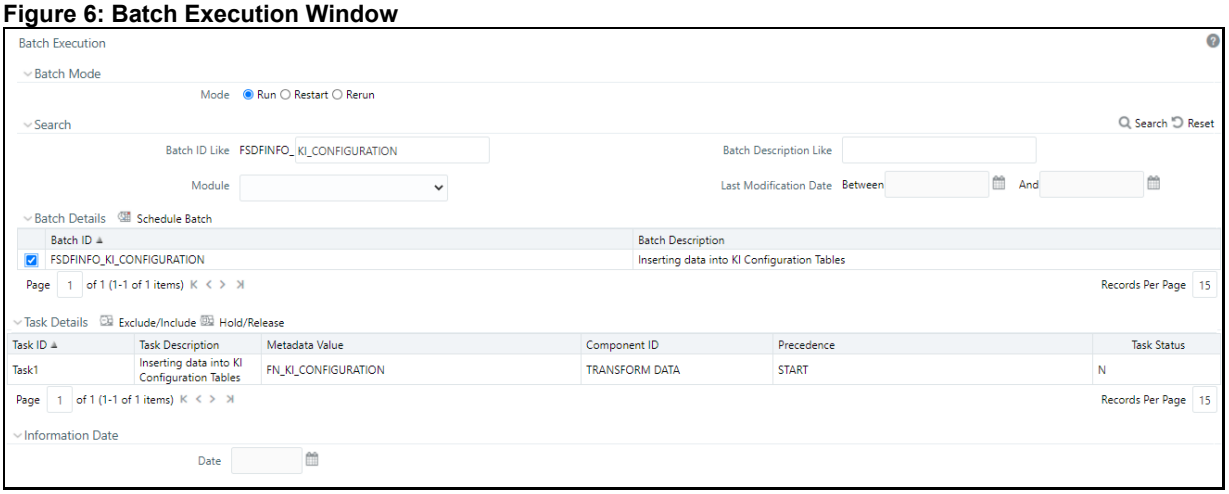
- ISSUE_CREATOR
- CREATOR
- ISSUE_OWNER
- ACTION_CREATOR
- OWNER

3.5.9 Key Indicator Configuration

From the **Financial Services Data Foundation** page, navigate to **Operations** and then select **Batch Execution**. Run the batch ##INFODOM##_KI_CONFIGURATION.
This batch updates the Actual Formula for the key indicator. It generates the report, schedule, and cells required for Key Indicator assessment configurations.

From the **Regulatory Reporting for APAC and ME** window navigate to **Administration** and select **Key Indicator Assessment Configuration**. Here, you can select and configure the report, schedule, and cell combinations.

Figure 6: Batch Execution Window



3.5.10 Creating Issue Links

For create issue link to open in supported browsers in OBIEE, follow these steps:

1. Update the `web.xml` with the following tag:
   a. Navigate to `web.xml` and add the tag in the following section with the DG application URL and the OBIEE URL.

```
<filter>
    <filter-name>FilterServlet</filter-name>
    <filter-class>com.iflex.fic.filters.FilterServlet</filter-class>
 <init-param>
  <param-name>AllowHosts</param-name>
  <param-value> ##OBIEE URL##/</param-value>
 </init-param>
  </filter>
*Ensure to replace ##OBIEE_URL##
 with respective URL's upto Port Number.
```

2. After updating, restart the servers to view changes.

3.5.11 Configuring External Links such as Creating Issue Links or Drilldown to OFSAA

For more information on configuring external links such as AgileREPORTER drill down to OFSAA, see the section *Modifying the Web.xml file* in the OFS REG REP APME Security Guide.

3.5.12 Performance-Related Configuration Details on Account Mapper Batch

Parallel Hint for query optimization in KI Mapper can be configured by setting up N_LOOKUP_VALUE in FSI_DGS_CONFIGURATION against the following column values (V_MODULE_NAME='MAPPER', V_LOOKUP_CODE='PARALLEL_HINT').

The default value set for parallel hint is /*+ PARALLEL(4)*/.

Table 4:Performance Configuration Details

V_MODULE_NAME	V_LOOKUP_CODE	N_LOOKUP_VALUE	V_LOOKUP_CODE_DESC
MAPPER	PARALLEL_HINT	/*+ PARALLEL(4)*/	Parallel hint for query optimization for KI Mapper

Parallel Hint for Gather Stats optimization in KI Mapper can be configured by setting up N_LOOKUP_VALUE in FSI_DGS_CONFIGURATION against the following column values (V_MODULE_NAME='MAPPER', V_LOOKUP_CODE='GATHER_STATS_PARALLEL_HINT').

The default value set for the parallel hint is 8.

Table 5:Performance Configuration Details

V_MODULE_NAME	V_LOOKUP_CODE	N_LOOKUP_VALUE	V_LOOKUP_CODE_DESC
MAPPER	GATHER_STATS_PARALLEL_HINT	8	Parallel hint for Gather Stats optimization for KI Mapper

- Parallel configs for KI Mapper can be made configurable by setting up N_LOOKUP_VALUE in FSI_DGS_CONFIGURATION against the following column values (V_MODULE_NAME='MAPPER', _LOOKUP_CODE= ENABLE_PARALLEL_CONFIGS). The default value is set as 'N'.

  Table 6: Performance-Related Configuration Details on Account Mapper Batch

V_MODULE_NAME	V_LOOKUP_CODE	N_LOOKUP_VALUE	V_LOOKUP_CODE_DESC
MAPPER	ENABLE_PARALLEL_CONFIGS	N	Enable Parallel Configurations

- Enable Alter session force parallel for KI Mapper can be made configurable by setting up N_LOOKUP_VALUE in FSI_DGS_CONFIGURATION against the following column values(V_MODULE_NAME='MAPPER', _LOOKUP_CODE= Enable STAR_TRANSFORMATION, Enable Parallel DML, Enable Parallel Query). The default value set as '4' for Enable Parallel DML and Enable Parallel Query, user can set it to any parallels like 4,8,16...

  Table 7: Performance-Related Configuration Details on Account Mapper Batch

V_MODULE_NAME	V_LOOKUP_CODE	N_LOOKUP_VALUE	V_LOOKUP_CODE_DESC
MAPPER	DGS_STMT_1	ALTER SESSION SET STAR_TRANSFORMATION_ENABLED=TRUE	Enable STAR_TRANSFORMATION
MAPPER	DGS_STMT_2	ALTER SESSION FORCE PARALLEL DML PARALLEL 4	Enable Parallel DML
MAPPER	DGS_STMT_3	ALTER SESSION FORCE PARALLEL QUERY PARALLEL 4	Enable Parallel Query

- Truncate partition for KI Mapper can be made configurable by setting up N_LOOKUP_VALUE in FSI_DGS_CONFIGURATION against the following column values(V_MODULE_NAME='MAPPER', _LOOKUP_CODE= TRUNCATE_PARTITION_FLAG, TRUNCATE_SUBPARTITION_FLAG). The default value is set as 'Y' for TRUNCATE_PARTITION_FLAG and Y for TRUNCATE_SUBPARTITION_FLAG.

Table 8: Performance-Related Configuration Details on Account Mapper Batch

V_MODULE_NAME	V_LOOKUP_CODE	N_LOOKUP_VALUE	V_LOOKUP_CODE_DESC
MAPPER	TRUNCATE_PARTITION_FLAG	Y	Flag to truncate run skey wise partition
MAPPER	TRUNCATE_SUBPARTITION_FLAG	Y	Flag to truncate run skey wise sub-partition

- Parallel groups for KI Assessment can be made configurable by setting up N_LOOKUP_VALUE in FSI_DGS_CONFIGURATION against the following column values(V_MODULE_NAME=KI, _LOOKUP_CODE= ASSMT_PARALLEL_GROUP). The default value is set as '14'.

Table 9: Performance-Related Configuration Details on Account Mapper Batch

V_MODULE_NAME	V_LOOKUP_CODE	N_LOOKUP_VALUE	V_LOOKUP_CODE_DESC
KI	ASSMT_PARALLEL_GROUP	14	Parallel Group number for KI Assessment

3.5.13 OBIEE Configuration and Deployments

The following OBIEE configuration files must be updated to change the user's preferred currency:

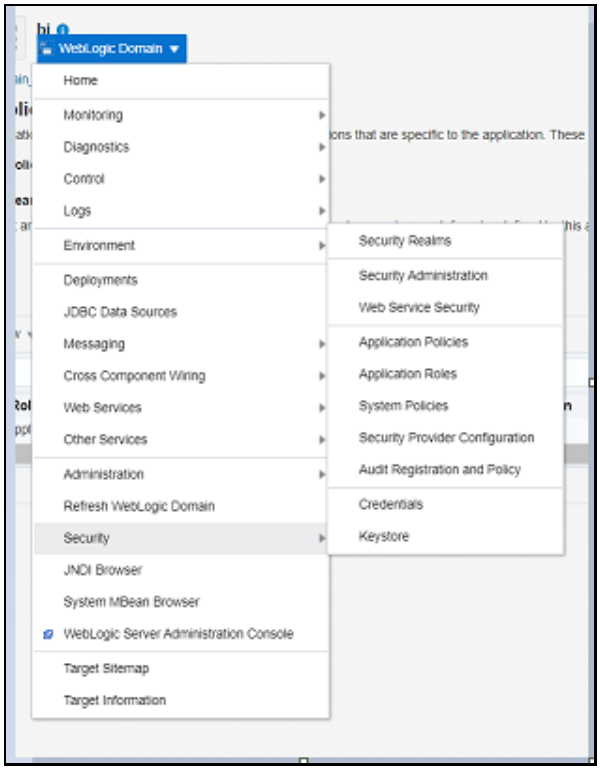
1. Login to the **OBIEE** Server.
2. Edit the /Oracle_Home/bi/bifoundation/web/display/currencies.xml file.
3. Update "symbol="$" to change the preferred currency as follows:

```
<Currency tag="int:wrhs" type="international" placeholder="true"
symbol="$" format="$#" digits="2"
displayMessage="kmsgCurrencySiebelWarehouse">
```

```
<negative tag="minus" format="-$#" />
</Currency>
```

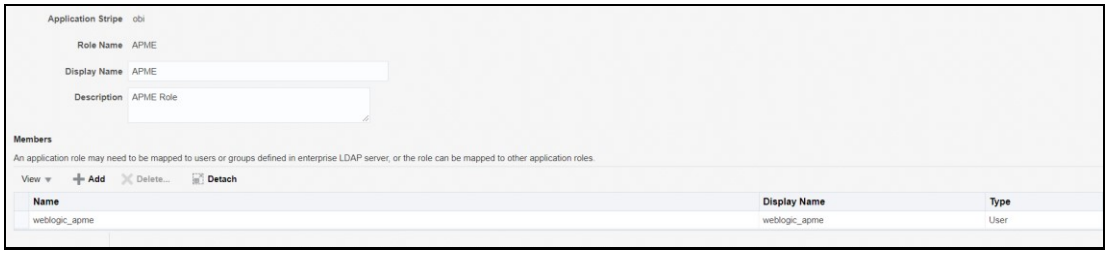
4. Login to Enterprise Manager in OBIEE and navigate to **Weblogic Domain** -> **Security** -> **Application Roles**.

Figure 7: Application Roles



5. Select **Application Stripe** as **OBI**.
6. Create new Application Role "APME" and add the required Groups and Users with the new role.

Figure 8: New Application Role



7. Copy the DGS.catalog and DGS.rpd files from the `<FIC_HOME>/OBIEEAnalytics` directory to your local machine and deploy the DGS.catalog and DGS.rpd files.

3.5.14 Integrating AgileREPORTER with Variance Analysis

AgileREPORTER can be integrated with Variance Analysis reports from the AgileREPORTER - Dashboard and Analysis AgileREPORTER - Module Integration features.

3.5.14.1 AgileREPORTER - Dashboard Integration

To establish the connection in AgileREPORTER – Dashboard, follow these steps:

1. Log in to **AgileREPORTER** with valid credentials.
2. Navigate to **Settings**  .
3. Select **Administration** and then select **Data Warehouse Integration**.
4. In the **Data Warehouse Integration** window, click **Add**.
5. In the **Add Contextual Button** dialog box, enter the following details:
   a. **Name**: OFSAA Current Analysis
   b. **Linked to**: AgileREPORTER
   c. **URL Pattern**: Enter the following URL in the **URL Pattern** text box:

   ###OBIEEURL###/analytics/saw.dll?dashboard&PortalPath=%2Fshared%2FDGS%2FAccount%20Level%20Reports%2FAccount%2FVariance%20Analysis%20Summary%20AR&page=Variance%20Current%20Analysis%20AR&Options=rmf&Action=Navigate&P0=7&P1=eq&P2=ifnull(%22Report%20Schedule%20Reporting%20Element%22.%22Cell%20Id%20Bireport%22%2C%22Report%20Schedule%20Reporting%20Element%22.%22Reporting%20Element%22)&P3=${cellId}&P4=eq&P5=%22Report%20Schedule%20Reporting%20Element%22.%22AR%20Form%20Code%22&P6=${formCode}&P7=eq&P8=%22Dim%20Dates%22.%22Date%20Skey%22&P9=${referenceDate}&P10=eq&P11=%22Report%20Schedule%20Reporting%20Element%22.%22V_ENTITY_CODE%22&P12=${entityCode}

   > **NOTE** Ensure to replace the place holder **###OBIEEURL###** with OBIEE Dashboard URL up to port number.

   d. **Description**: OFSAA Current Analysis
   e. **Pick an icon**: Select any icon.
6. Click **Add**. The **OBIEE URL Pattern** link is now enabled in the **Dashboard** tab.

3.5.14.2 AgileREPORTER - Analysis Module Integration

To establish the connection in AgileREPORTER – Analysis Module Integration, follow these steps:

1. Log in to **AgileREPORTER** with valid credentials.
2. Navigate to **Settings**  .
3. Select **Administration** and then select **Data Warehouse Integration**.
4. In the **Data Warehouse Integration** window, click **Add**.
5. In the **Add Contextual Button** dialog box enter the following details:
   a. **Name**: OFSAA Variance Analysis
   b. **Linked to**: Analysis Module
   c. **URL Pattern**: Enter the following URL in the **URL Pattern** text box:

###OBIEEURL###/analytics/saw.dll?dashboard&PortalPath=%2Fshared%2FDGS%2FAccount%20Level%20Reports%2FAccount%2FVariance%20Analysis%20Summary%20AR&page=Variance%20Analysis%20AR&Options=rmf&Action=Navigate&P0=7&P1=eq&P2=ifnull(%22Report%20Schedule%20Reporting%20Element%22.%22Cell%20Id%20Bireport%22%2C%22Report%20Schedule%20Reporting%20Element%22.%22Reporting%20Element%22)&P3=${cellId}&P4=eq&P5=%22Report%20Schedule%20Reporting%20Element%22.%22AR%20Form%20Code%22&P6=${formCode}&P7=eq&P8=%22Dim%20Dates%22.%22Date%20Skey%22&P9=${referenceDate}&P10=eq&P11=%22Report%20Schedule%20Reporting%20Element%22.%22V_ENTITY_CODE%22&P12=${entityCode}&P13=eq&P14=%22Dim%20Dates%22.%22Date%20Skey%20Prev%22&P15=${prv_referenceDate}

> **NOTE** Ensure to replace the place holder **###OBIEEURL###** with OBIEE Dashboard URL up to port number.

d. **Description**: OFSAA Variance Analysis

e. **Pick an icon**: Select any icon.

6. Click **Add**. The **OBIEE URL Pattern** link is now enabled in the **Analysis** tab.

3.5.15 Alias Configurations

Update the `ActionFrameworkConfig.xml` file with the following aliases:

```
<aliases>
<location-alias>
<alias>ofsaa_dgs_obi</alias>
<actual>##OBIEE URL##/analytics/saw.dll</actual>
</location-alias>
<location-alias>
<alias>ofsaa_dgs</alias>
<actual>##OFS AAI URL##/formsFramework/formsrenderer/
MapRenderer.jsp</actual></location-alias>
</aliases>

*Ensure to replace ##OBIEE URL## and ##OFS AAI URL## with the respective
URLs.
```

4 Deploying Configuration Package

This section describes the steps to deploy the configuration package after saving the derived entities:

1. To deploy the product configuration on Lombard AgileREPORTER for APRA/MAS/RBI/HKMA using the package `OFSAA_REG_REP_APRA_81210.zip/ OFSAA_REG_REP_MAS_81200.zip/ OFSAA_REG_REP_RBI_81200.zip/ OFSAA_REG_REP_HKMA_81210.zip` bundled inside the `Config_Package` folder of the installer:
   a. Navigate to `<LombardAgileREPORTER>/bin` under the installed location
   b. Add a new configuration with the following command:

      ```
      ./config.sh -a <Config_Package Full Path>
      ```

      For example:

      ```
      ./config.sh –a /scratch/kit/81200/OFS_REG_REP_APME/Config_Package/
      OFSAA_REG_REP_APRA_81200.zip
      ```

   c. Activate the configuration with the following command:

      ```
      ./config.sh -t OFSAA_REG_REP_APRA_81200 -iv 8.1.2.1.0
      ./config.sh -t OFSAA_REG_REP_MAS_81200 -iv 8.1.2.1.0
      ./config.sh -t OFSAA_REG_REP_RBI_81200 -iv 8.1.2.1.0
      ./config.sh -t OFSAA_REG_REP_HKMA_81200 -iv 8.1.2.1.0
      ```

   d. Update the Alias with the following command:

      ```
      ./config.sh -ea OFSAA_REG_REP_APRA_81200 -iv 8.1.2.1.0 -alias "OFSAA
      APRA DATA SOURCE" -aif
      <LombardAgileREPORTER>/bin/aliasinfo.properties
      ./config.sh -ea OFSAA_REG_REP_MAS_81200 -iv 8.1.2.1.0 -alias "OFSAA
      MAS DATA SOURCE" -aif
      <LombardAgileREPORTER>/bin/aliasinfo.properties
      ./config.sh -ea OFSAA_REG_REP_RBI_81200 -iv 8.1.2.1.0 -alias "OFSAA
      DATA SOURCE" -aif <LombardAgileREPORTER>/bin/aliasinfo.properties
      ./config.sh -ea OFSAA_REG_REP_HKMA_81200 -iv 8.1.2.1.0 -alias "OFSAA
      DATA SOURCE" -aif <LombardAgileREPORTER>/bin/aliasinfo.properties
      ```

If you encounter any problems during deployment, contact OFSAA Support at My Oracle Support.

OFSAA Support

Raise a Service Request (SR) in My Oracle Support (MOS) for queries related to the OFSAA applications.

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