

# **Oracle Financial Services Regulatory Reporting for European Banking Authority (EBA) – Lombard Risk Integration Pack**

**User Guide**

**Release 8.0.9.0.0**

**Jan 2020**

**ORACLE®**  
Financial Services

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# 1 About the Guide

This section provides a brief description of the scope, the audience, the references, concepts and the organization of the user guide and conventions incorporated into the user guide. The topics in this section are organized as follows:

- [Scope of the guide](#)
- [Intended Audience](#)
- [Documentation Accessibility](#)
- [Related Information Sources](#)
- [How This Guide is Organized](#)
- [Conventions Used](#)

## 1.1 Scope of the Guide

The objective of this user guide is to provide comprehensive working knowledge on Oracle Financial Services Regulatory Reporting for European Banking Authority (EBA) – Lombard Risk Integration Pack, Release 8.0.9.0.0. This user guide is intended to help you understand the key features and functionalities of Oracle Financial Services Regulatory Reporting for European Banking Authority (OFS REG REP EBA) – Lombard Risk Integration Pack release 8.0.9.0.0 and details the process flow and methodologies used.

## 1.2 Intended Audience

Welcome to Release 8.0.9.0.0 of the Oracle Financial Services Regulatory Reporting for European Banking Authority (EBA) – Lombard Risk Integration Pack User Guide.

This guide is intended for:

- Regulatory Reporting Analyst who bears the responsibility to verify and submit the results. He/She is also entrusted to maintain the dimensional values across multiple reporting requirements, maintain the results area structure of Oracle Financial Services Data Foundation.
- Data Analysts, who clean, validate, and import data into the Oracle Financial Services Download Specification format, and ensure that data is populated in the relevant tables as per the specifications and executions required for regulatory reporting.
- System Administrator (SA), instrumental in making the application secure and operational and configures the user roles providing necessary access to users.

## 1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>



## 1.4 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.

## 1.5 Related Information Sources

In addition to this user guide you can refer to the following documents in the [OHC](#) documentation library:

Oracle Financial Services Regulatory Reporting for European Banking Authority (EBA) – Lombard Risk Integration Pack Installation Manual Release 8.0.9.0.0

Oracle Financial Services Data Foundation User Guide Release 8.0.9.0.0

Oracle Financial Services Data Foundation Installation Manual Release 8.0.9.0.0

Oracle Financial Services Analytical Applications Infrastructure User Guide Release 8.0.9.0.0 (present in the [OHC](#) documentation library)

## 1.6 How this guide is Organized

The OFS REG REP EBA User Guide includes the following topics:

- [Chapter 2: Introduction](#)
- [Chapter 3: Getting Started](#)
- [Chapter 4: Regulatory Reporting Solution Data Flow](#)
- [Chapter 5: OFSAA Features](#)
- [Chapter 6: Executing Run through Run Management](#)
- [Chapter 7: Metadata Export Utility](#)
- [Chapter 8: Report Submission](#)
- [Chapter 9: Maintenance](#)
- [Chapter 10: Troubleshooting Guidelines](#)

## 1.7 Conventions Used

Table 1 lists the conventions used in this guide.

**Table 1: Conventions Used in this Guide**

Convention	Meaning
Italics	Names of books, chapters, and sections as references
Bold	<ul style="list-style-type: none"> <li>• The object of an action (menu names, field names, options, button names) in a step-by-step procedure</li> <li>• Commands typed at a prompt</li> <li>• User input</li> </ul>
Monospace	<ul style="list-style-type: none"> <li>• Directories and subdirectories</li> <li>• File names and extensions</li> <li>• Process names</li> <li>• Code sample, including keywords and variables within a text</li> </ul>

## 2 Introduction

This chapter provides an understanding of the OFS REG REP EBA application and its scope. It includes:

- [Overview](#)
- [OFSAA Regulatory Reporting Architecture](#)
- [Scope](#)

### 2.1 Overview

With the onset of regulatory requirements from a variety of regulators around the globe, financial institutions are struggling to keep up with the constantly changing regulatory environment and the regulators themselves are finding it difficult to analyze a pile of reports. In turn, the European Banking Authority (EBA) introduced a common standard of reporting: one for Financial Reporting (FINREP) and one for Common Reporting (COREP). The two standards use a very structured way of gathering data, and also introduced the Data Point Model (DPM) along with the relational database to provide standard meaning to all reporting elements.

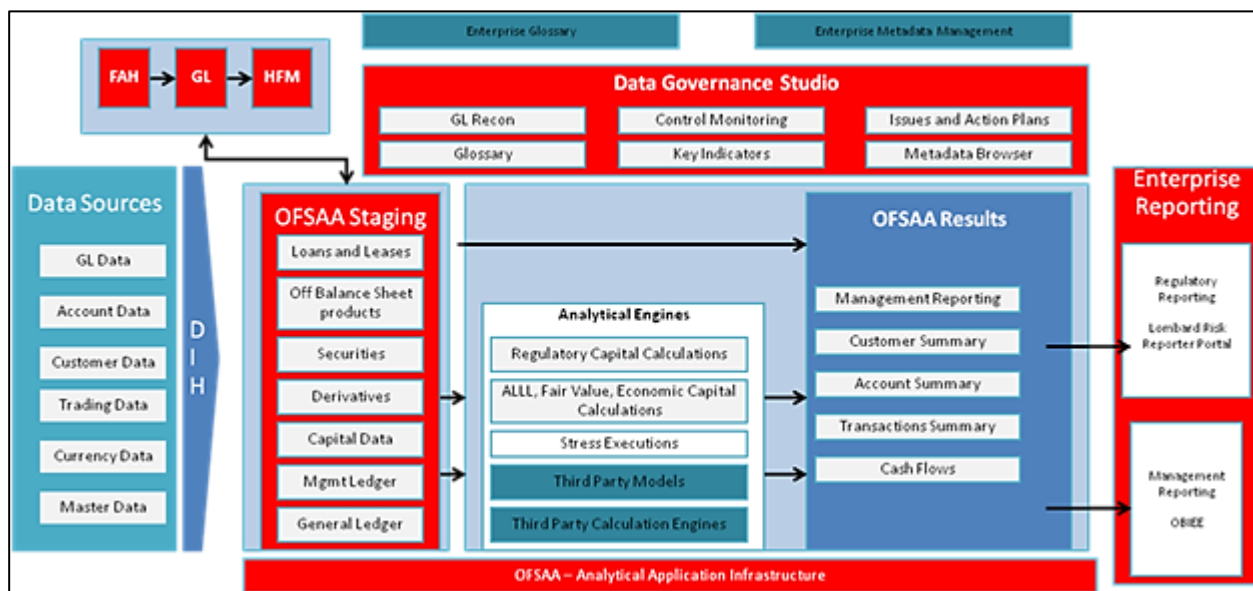
On the lines of common reporting requirements as stipulated by the EBA, the European Central Bank (ECB) also came out to collect detailed credit risk data pertaining to Non-Natural Persons in a harmonized manner. ECB issued a regulation on May 18, 2016, widely known as AnaCredit (Analytical Credit Dataset) Regulation, to collect granular credit and credit risk data with effect from reporting date September 30, 2018.

While on one hand, ECB ensures to harmonize reporting requirements and implementation practices, on the other hand, it gives discretionary powers to the National Central Banks (NCBs) either to collect additional data or to provide derogations for small resident reporting agents.

The RRS EBA solution addresses the reporting requirements of both the regulators, EBA and ECB. In addition, it addresses the reporting requirements with respect to AnaCredit as laid down by the Central Bank of Malta (CBM).

The RRS EBA solution enables financial services organizations to manage and execute regulatory reporting in a single integrated environment. It automates end-to-end processes from data capture through submission with industry-leading solutions. It leverages Oracle Financial Services Analytical Application (OFSAA) and Oracle Financial Services Data Foundation (OFSDF) for managing analytical application data. The AgileREPORTER in Regulatory Reporting Solution (RRS) enables firms to automate the final mile of the reporting process. It provides pre-built integration to Lombard Risk Reporting, eliminating the need for further manual intervention. 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.

## 2.2 OFSAA Regulatory Reporting Architecture



**Figure 1: Regulatory Reporting Solution Architecture**

This interface connects the Oracle FSDF to Lombard Risk. As one can see in the Architecture (Figure 1), Data flows from OFSAA to Lombard Risk.

OFSDF is an analytical data warehouse platform for the Financial Services industry. OFSDF combines an industry data model for Financial Services along with a set of management and infrastructure tools that allows Financial Services Institutions to develop, deploy, and operate analytical solutions spanning key functional areas in Financial Services, including:

1. Enterprise Risk Management
2. Enterprise Performance Management
3. Customer Insight
4. Financial Crime and Compliance Management

OFSDF is a comprehensive data management platform that helps institutions to manage the analytical data life cycle from sourcing to reporting and business intelligence/BI using a unified, consistent platform and toolset.

AgileREPORTER is a form and workflow tool that enables both creation and submission of regulatory returns. AgileREPORTER addresses the financial reporting requirements of both domestic and international banks and financial institutions by automating compliance with mandated reports to central banks, regulatory agencies. AgileREPORTER works easily with multiple sources of information as it standardizes data elements and automates regulatory report production in prescribed templates with the associated workflow for automatic submission. It is a reliable and efficient infrastructure to compile, generate and submit regulatory reports. It collects data from the universe (not just OFSAA Results). It provides automated repeated manual adjustments, variance analysis, and validation checks.

The solution provides a pre-built interface or integration between FSDF and AgileREPORTER. With this integration, end-user can automate end to end reporting processes covering data preparation to the last mile of reporting.

## 2.3 Scope

Oracle Financial Services Regulatory Reporting for European Banking Authority (EBA) – Lombard Risk Integration Pack covers the following regulatory reports for specified release as mentioned in the table:

Report Name	Schedule Name / Description	Released Version
COREP - Capital Adequacy	C 01.00 - Own funds definition	8.0.8
COREP - Capital Adequacy	C 02.00 - Risk Exposure Amounts	8.0.8
COREP - Capital Adequacy	C 03.00 - Ratios	8.0.8
COREP - Capital Adequacy	C 04.00 - Memorandum Items	8.0.8
COREP - Capital Adequacy	C 05.01 - Transitional provisions: Summary & Grandfathered instruments not constituting State aid	8.0.8
COREP – Credit Risk	C 09.01 - Geographical breakdown of exposures by the residence of the obligor (SA exposures)	8.0.8
COREP – Credit Risk Standardised Approach	C 07.00 – Credit and counterparty credit risks and free deliveries: Standardized Approach to capital requirements	8.0.3
COREP – Operational Risk	C 16.00 - Operational risk	8.0.9
COREP – Operational Risk	C 17.00 – Operational risk: Losses and recoveries by business lines and event types in the last year	8.0.3
COREP – Market Risk	C 21.00 – Market risk: Standardised Approach for position risk in equities	8.0.9
COREP – Market Risk	C 22.00 – Market risk: Standardised Approaches for foreign exchange risk	8.0.9
COREP – Large Exposures	C 26.00 – Large exposures limits	8.0.3
COREP – Large Exposures	C 27.00 – Identification of the counterparty	8.0.3
COREP – Large Exposures	C 28.00 – Exposures in the non-trading and trading book	8.0.3
COREP – Large Exposures	C 29.00 – Detail of the exposures to individual clients within groups of connected clients	8.0.3
COREP – Large Exposures COREP - Large Exposures	C 30.00 – Maturity buckets of the 10 largest exposures to institutions and the 10 largest exposures to unregulated financial entities	8.0.3
COREP – Large Exposures	C 31.00 – Maturity buckets of the 10 largest exposures to institutions and the 10 largest exposures to unregulated financial entities: detail of the exposures to individual clients within groups of connected clients	8.0.3
COREP – Leverage Ratio	C 40.00 – Alternative treatment of the Exposure Measure	8.0.4

Report Name	Schedule Name / Description	Released Version
COREP – Leverage Ratio	C 41.00 – On- and off-balance sheet items – additional breakdown of exposures	8.0.4
COREP – Leverage Ratio	C 42.00 – Alternative definition of capital	8.0.4
COREP – Leverage Ratio	C 43.00 – Breakdown of leverage ratio exposure measure components: Off-balance sheet items, derivatives, SFTs and trading book	8.0.4
COREP – Leverage Ratio	C 44.00 – General Information	8.0.4
COREP – Leverage Ratio	C 47.00 – Leverage ratio calculation	8.0.4
COREP – Stable Funding	C 60.00 - Items requiring stable funding	8.0.7
COREP – Stable Funding	C 61.00 - Items providing stable funding	8.0.7
COREP – Liquidity Coverage	C 72.00 – Liquidity Coverage. Liquid assets	8.0.3
COREP – Liquidity Coverage	C 73.00 – Liquidity Coverage. Outflows	8.0.4
COREP – Liquidity Coverage	C 74.00 – Liquidity Coverage. Inflows	8.0.5
COREP – Liquidity Coverage	C 75.00 – Liquidity Coverage. Collateral swaps	8.0.4
COREP – Liquidity Coverage	C 75.00 – Liquidity Coverage. Calculations	8.0.9
FINREP	F 01.00 – Balance Sheet Statement [Statement of Financial Position]	8.0.4
FINREP	F 02.00 – Statement of profit or loss	8.0.3
FINREP	F 03.00 – Statement of comprehensive income	8.0.5
FINREP	F 04.00 – Breakdown of financial assets by instrument and by counterparty sector	8.0.3
FINREP	F 05.00 – Breakdown of loans and advances by product	8.0.3
FINREP	F 06.00 – Breakdown of loans and advances to non-financial corporations by NACE codes	8.0.3
FINREP	F 07.00 – Financial assets subject to impairment that are past due or impaired	8.0.3
FINREP	F 08.00 – Breakdown of financial liabilities by product and by the counterparty	8.0.3
FINREP	F 09.00 – Off-balance sheet items subject to credit risk	8.0.3
FINREP	F 10.00 – Derivatives: Trading	8.0.3
FINREP	F 11.00 – Derivatives - Hedge accounting	8.0.3

Report Name	Schedule Name / Description	Released Version
FINREP	F 12.00 – Movements in allowances and provisions for credit losses	8.0.5
FINREP	F 13.00 – Breakdown of loans and advances by collateral and guarantees	8.0.3
FINREP	F 14.00 – Fair value hierarchy: financial instruments at fair value	8.0.3
FINREP	F 15.00 – Derecognition and financial liabilities associated with transferred financial assets	8.0.6
FINREP	F 16.00 – Interest income and expenses by instrument and counterparty	8.0.3.1
FINREP	F 17.00 – Reconciliation between IFRS and CRR scope of consolidation	8.0.5
FINREP	F 18.00 – Information on performing and non-performing exposures	8.0.3.1
FINREP	F 19.00 – Information on forbore exposures	8.0.3.1
FINREP	F 20.00 – Geographical breakdown	8.0.3.1
FINREP	F 21.00 – Tangible and intangible assets	8.0.5
FINREP	F 22.00 – Fee and commission income and expenses by activity	8.0.5
FINREP	F 30.00 – Geographical breakdown	8.0.5
FINREP	F 31.00 – Related parties	8.0.5
FINREP	F 40.00 – Group structure	8.0.6
FINREP	F 41.00 – Fair value hierarchy	8.0.5
FINREP	F 42.00 – Tangible and intangible assets	8.0.5
FINREP	F 43.00 – Provisions	8.0.5
FINREP	F 44.00 – Net defined benefit plan assets and liabilities	8.0.5
FINREP	F 45.00 – Gains and losses on financial assets and liabilities/ on de-recognition of non-financial assets	8.0.5
FINREP	F 46.00 – Statement of changes in equity	8.0.5
AnaCredit	AnaCredit – Central Bank of Malta (CBM) Regulatory Reporting	8.0.6

## 3 Getting Started

This chapter provides an understanding of the pre-requisites, general and data preparation assumptions and logging into the application. It includes:

- [Prerequisites](#)
- [Assumptions](#)
- [Logging in to the OFSDF Interface with Lombard Risk for EBA](#)
- [Organization of the Interface for User Roles](#)
- [Metadata Browser](#)

OFSDF interface with OFS REG REP EBA allows you to perform the following activities:

- Manage Data Loading and Transformation from various source systems to staging, processing, and results.
- Manage relevant OFSAA metadata for regulatory reporting purposes. This includes creating, modifying, and viewing the metadata used in reporting.
- View the report metadata for mapping.
- Drill-down from AgileREPORTER to OFSAA results area.

### 3.1 Prerequisites

For detailed prerequisites and instructions on installing this Interim Release, see [Oracle Financial Services Regulatory Reporting for European Banking Authority – Lombard Risk Integration Pack Installation Guide Release 8.0.9.0.0](#).

### 3.2 Assumptions

OFSDF interface with OFS REG REP EBA is a reporting application and it does not perform any risk/stress calculations. The assumptions for the application are:

- Textual and other related portions of reports like personal details, contact details, Yes / No choices must be updated on Report Portal directly and FSDf does not have a placeholder for it.
- Data provided is post reconciliation to ensure that the accuracy of data being reported (non-prescribed by regulators) are performed in OFSAA using various components – General Ledger (GL) reconciliation.
- Validity checks such as edit checks, cross-validation checks and so on prescribed by the regulator are performed within the AgileREPORTER.
- All monetary amounts are expected to be positive in number, except valuation outputs which can be positive or negative. Rules are constructed assuming the negative sign of valuation amounts wherever applicable.
- The application populates a few specific dimension tables, known as seeded / sample tables as part of the installation script. Since they are used in the metadata, changes in data values have an impact on overall functioning.
- For data provided as of date, such as the last day of the quarter of the reporting year: Quarterly and Year to Date (YTD) report for the given date display the same value for those measures which are of as of the date in nature. For example, the Annual and Quarterly Balance Sheet and BASEL report generated as of 31-MAR show the same values for all measures such as Account Balance.



- All percentage data are expected in decimal format meaning 9% must be provided as 9 and not 0.09.
- Account Balances such as End of Period Balances are expected to be provided as Net of (without) Unearned Income.
- For the purpose of CBM AnaCredit reporting, it is assumed that all the Observed Agents are under the purview of Capital Requirement Regulation. As a result, they will continue to report the default status at the counterparty level in the Counterparty Risk Dataset and not at the instrument level.
- For Counterparty Default Dataset and Counterparty Risk Dataset:
  - The Protection Provider is reported (apart from debtor acting as Protection Provider) on condition that they are at the same time the issuer of the protection (in particular, if the protection item is a financial guarantee as defined in the ITS).

However, it contradicts the Case 11.2 – Non-recourse factoring published by ECB as "AnaCredit\_Manual\_Part\_III\_Case\_studies.en", where PP8564235 is reported as Protection Provider even though it is not a "Debtor" and Type of Protection is not "financial guarantee as defined in the ITS". Currently, we are NOT filtering Protection Provider based on Type of Protection.

- The Banks must ensure that the download specification must confirm to the ECB Regulation changes related to Counterparty Identifier Reporting (to confirm with the list of values provided for International Organizations).
- The Banks must ensure that the download specification must conform to the ECB Regulation changes related to National Identifier Reporting.
- The custom reclassification must confirm to the ECB Regulation changes related to Legal Forms. The list of values is modified as per the Regulation in OFSAA Dimension (DIM\_REG\_ORG\_CONSTITUENT\_TYPE).
- In the COREP C61 Report, the following assumptions are made:
  - a. R70 to R100 and R140 to R170: The product is mapped as Secured lending transactions based on the line item description and instructions even though the Annotated Layout gives the main category as Deposits.
  - b. R70 to R100 and R140 to R170: In the annotated layout, liquidity requirements are given as "Non-qualifying for the treatment in Article 422(3) and (4)". This is applicable only for Deposits. Since the product for these line items is not Deposits, this is ignored.
  - c. R110 to R130: The line item description has wordings "liabilities reported in 1.2.2.2.1", but there is no such line item in the mapping and hence our assumption is that there is a mistake in the layout; so the reference is not considered and these rows are treated as independent line items.
  - d. R180 to R200: The line item description has wordings "liabilities reported in 1.2.3.2.1", but there is no such line item in the mapping and hence our assumption is that there is a mistake in the layout; so the reference is not considered and these rows are treated as independent line items.
- In COREP C75 Report, C90 to C120 is assumed that Collateral Derivatives have either collateral borrowed or collateral lent. Taking this into account, it is assumed that the collateral which is not present is assumed as a non-liquid asset and considered for that appropriate line item. For example, if a transaction has only Collateral borrowed as "Level 1 assets (excluding EHQ covered bonds)", then collateral lent is assumed as non-liquid and reported in R660C110. This assumption is done because there is no line item in the report which has collateral borrowed or collateral lent as "Not Applicable".

- COREP C05: Mapping has not been provided for few cells of columns 10, 20 & 30 where the adjustment happens only in 1 column (either CET1 or AT1 or T2). But the other columns are not greyed out in the report hence the other adjustments are populated as zero.

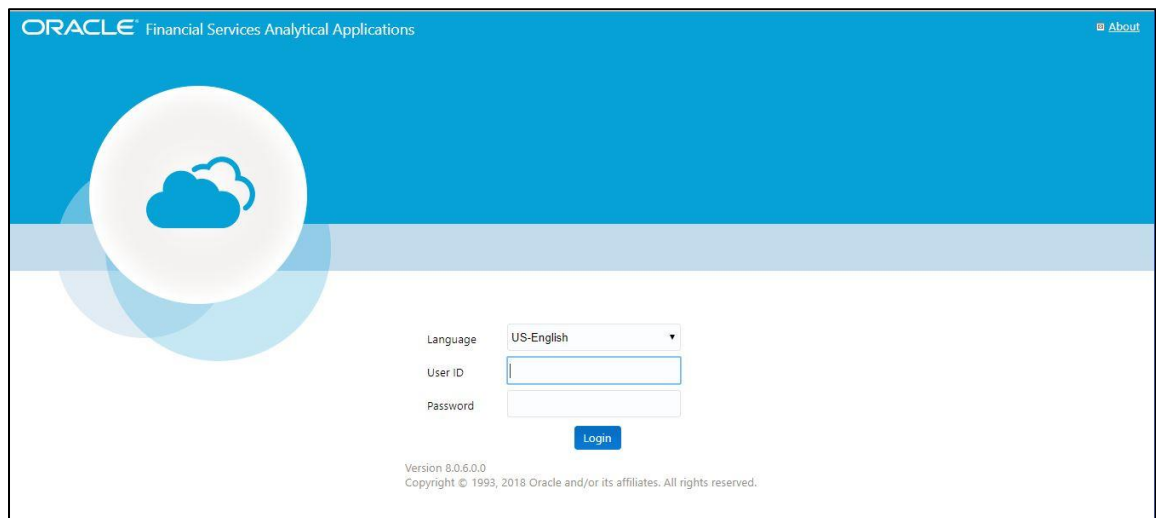
R150C020; R160C020; R180C020; R180C030; R210C020; R211C020; R221C010; R221C030; R231C010; R231C020; R260C020; R260C030; R270C020; R270C030; R290C010; R290C030; R300C010; R300C030; R320C010; R320C020; R330C010; R330C020; R350C020; R350C030; R360C010; R360C030; R370C010; R370C020; R400C020; R410C010; R410C030; R420C010; R420C020.

### 3.3 Logging in to the OFSDF Interface with Lombard Risk for EBA

After the application is installed and configured, to access the OFSDF Interface with Lombard Risk for EBA application you need to log in to the OFSAAI environment using the OFSAAI login page.

To access application follow these steps:

1. Enter the OFSAAI URL in your browser. The OFSAAI login page is displayed.



**Figure 2: OFSAAI Log In**

2. Select the desired language from the **Language** drop-down list.
3. Enter your **User ID** and **Password**. When you log into OFSAAI, the first screen is displayed.



Figure 3: Landing Page

## 3.4 Organization of Interface for User Roles

This section explains the various features used by an analyst. It describes the organization of the user interface and provides step-by-step instructions for navigating through the application to carry out these activities.

Data Analysts are expected to perform the following activities:

1. Marking Run as Final
2. Executing Batch to Refresh Derived Entities
3. Drill-down from AgileREPORTER to OFSDF

Reporting Analysts are expected to perform the following activities:

1. Drill-down from AgileREPORTER to OFSDF
2. Using Metadata Browser to check Schedule Wise metadata
3. Using Metadata Browser to check metadata usage across schedules

### 3.4.1 Marking Run as Final

Various applications provide data for regulatory reporting. You must mark specific executions for regulatory reporting as the final run.

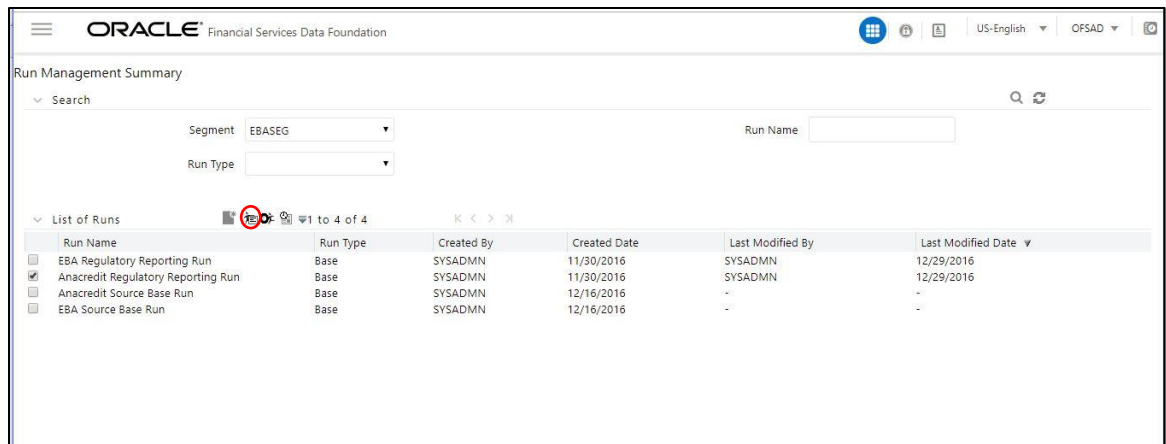


Figure 4: Run Management Summary Screen

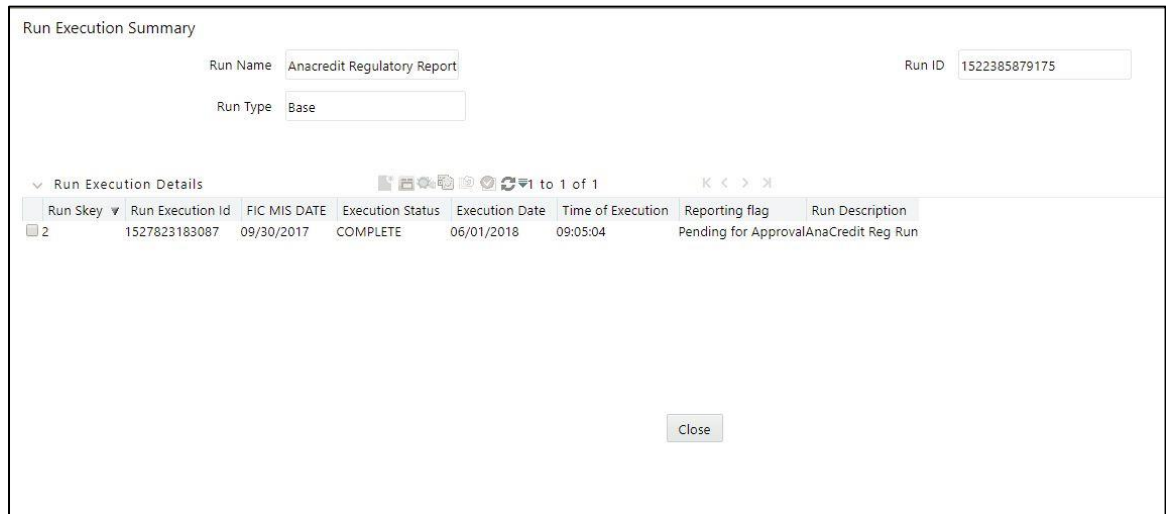


Figure 5: Run Execution Summary Screen

### 3.4.2 Executing Batch to Resave Derived Entities (EBA / ECR)

To execute the batch to refresh derived entities, perform the following steps:

1. Navigate to **Financial Services Data Foundation** → **Operations** → **Batch Execution**.
2. Select the batch <<INFODOM>>\_REG\_REP\_EBA\_DE\_RESAVE to resave all the DEs used in EBA (ECR).

Batch Execution

Batch Mode

Mode  Run  Restart  Rerun

Search

Batch ID Like FSDFINFO\_ Batch Description Like

Module Last Modification Date Between And

Batch Details Schedule Batch

Batch ID	Batch Description
<input type="checkbox"/> FSDFINFO_REG_REP_ANAC_DE_RESERVE	This Batch Resaves data in the Anacredit DES
<input type="checkbox"/> FSDFINFO_REG_REP_ANAC_UNIONVIEW_RESERVE	This Batch Resaves the ANAC UNION VIEW
<input type="checkbox"/> FSDFINFO_REG_REP_EBA_DE_REFRESH	This Batch Refreshes data in the RRS EBA MVIEWES
<input checked="" type="checkbox"/> FSDFINFO_REG_REP_EBA_DE_RESERVE	This Batch Resaves the RRS EBA Derived Entity for Creating MVIEWES
<input type="checkbox"/> FSDFINFO_SECURITIZATION	Data Quality batch for Securitization tables

Page 9 of 10 (41-45 of 48 items) Records Per Page 5

Task Details Exclude/Include Hold/Release

Figure 6: Batch Execution Screen

3. Monitor the status of the batch using the **Batch Monitor (Financial Services Data Foundation → Operations → Batch Monitor)**.

Batch Monitor

Batch ID Like FSDFINFO\_ Batch Description Like

Module Status

Start Date End Date

Batch Details

Batch ID	Batch Description
<input type="checkbox"/> FSDFINFO_MDB	Batch for MDB Publish
<input checked="" type="checkbox"/> FSDFINFO_POP_DATA_ELEMENTS_EBA	Populates Data and Report Elements for EBA
<input type="checkbox"/> FSDFINFO_POP_DATES_DIM	Populate DIM_DATES
<input type="checkbox"/> FSDFINFO_POP_DIM_FISCAL_PERIODS	Populates Dim_Fiscal_Periods using FSI_FISCAL_PERIOD_SETUP
<input type="checkbox"/> FSDFINFO_REG_REP_ANAC_DE_REFRESH	This Batch Refreshes data in the Anacredit DES

Page 2 of 3 (6-10 of 13 items) Records Per Page 5

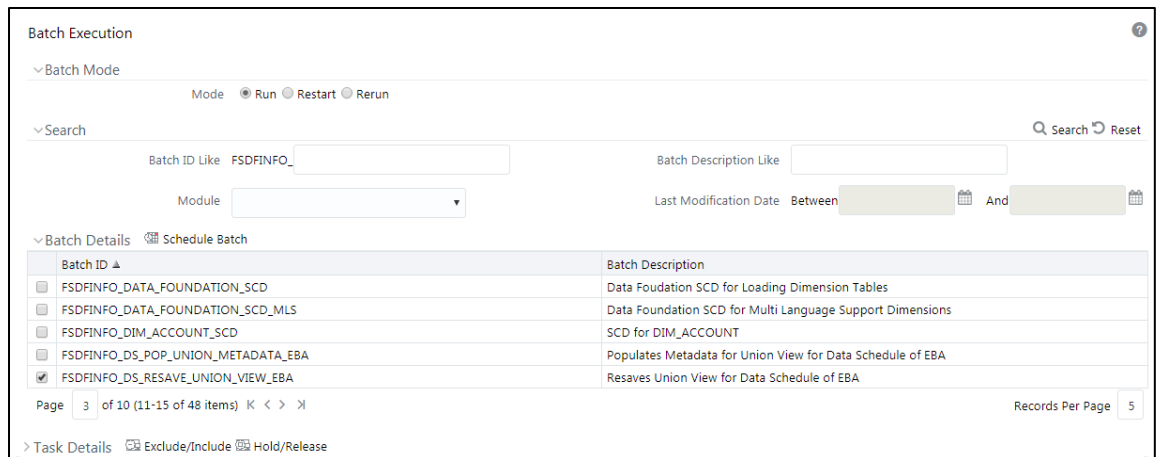
Batch Run Details Start Monitoring Stop Monitoring Reset

Information Date Monitor Refresh Rate (seconds) 5

Batch Run ID

Figure 7: Batch Monitor Screen

4. Navigate to **Financial Services Data Foundation → Operations → Batch Execution**
5. Select the batch <<INFODOM>>\_DS\_RESERVE\_UNION\_VIEW\_EBA to resave all the Views used in EBA / ECR.



6. Monitor the status of the batch using the **Batch Monitor (Financial Services Data Foundation → Operations → Batch Monitor)**.

### 3.4.3 Executing Batch to Resave Derived Entities (AnaCredit / ECB)

To execute the batch to refresh derived entities, perform the following steps:

1. Navigate to **Financial Services Data Foundation → Operations → Batch Execution**
2. Select the batch <<INFODOM>>\_REG\_REP\_ANAC\_DE\_RESAVE to resave all the DEs used in ECB (AnaCredit).

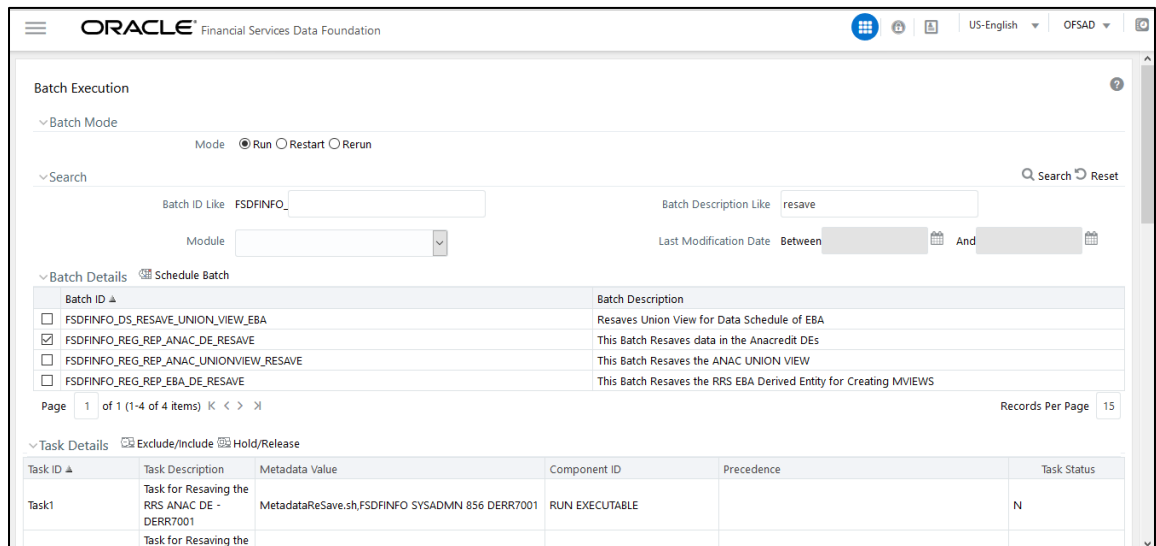


Figure 8: Batch Execution Screen

3. Monitor the status of the batch using the **Batch Monitor (Financial Services Data Foundation → Operations → Batch Monitor)**.

Batch Monitor

Batch ID Like: FSDFINFO\_ [ ] Batch Description Like: [ ]

Module: [ ] Status: [ ]

Start Date: [ ] End Date: [ ]

Batch Details

Batch ID	Batch Description
<input type="checkbox"/> FSDFINFO_MDB	Batch for MDB Publish
<input type="checkbox"/> FSDFINFO_POP_DATA_ELEMENTS_EBA	Populates Data and Report Elements for EBA
<input type="checkbox"/> FSDFINFO_POP_DATES_DIM	Populate DIM_DATES
<input type="checkbox"/> FSDFINFO_POP_DIM_FISCAL_PERIODS	Populates Dim_Fiscal_Periods using FSL_FISCAL_PERIOD_SETUP
<input checked="" type="checkbox"/> FSDFINFO_REG_REP_ANAC_DE_REFRESH	This Batch Refreshes data in the Anacredit DEs

Page 2 of 3 (6-10 of 13 items) Records Per Page 5

Batch Run Details: Start Monitoring, Stop Monitoring, Reset

Information Date: [ ] Monitor Refresh Rate (seconds): 5

Batch Run ID: [ ]

Figure 9: Batch Monitor Screen

- Navigate to **Financial Services Data Foundation → Operations → Batch Execution**
- Select the batch **<<INFODOM>>\_REG\_REP\_ANAC\_UNIONVIEW\_RESERVE** to resave all the Views used in ECB.

Batch Execution

Batch Mode: Mode  Run  Restart  Rerun

Search: Batch ID Like: FSDFINFO\_ [ ] Batch Description Like: [ ]

Module: [ ] Last Modification Date: Between [ ] And [ ]

Batch Details: Schedule Batch

Batch ID	Batch Description
<input type="checkbox"/> FSDFINFO_REG_REP_ANAC_DE_RESERVE	This Batch Resaves data in the Anacredit DEs
<input checked="" type="checkbox"/> FSDFINFO_REG_REP_ANAC_UNIONVIEW_RESERVE	This Batch Resaves the ANAC UNION VIEW
<input type="checkbox"/> FSDFINFO_REG_REP_EBA_DE_REFRESH	This Batch Refreshes data in the RRS EBA MVIEWES
<input type="checkbox"/> FSDFINFO_REG_REP_EBA_DE_RESERVE	This Batch Resaves the RRS EBA Derived Entity for Creating MVIEWES
<input type="checkbox"/> FSDFINFO_SECURITIZATION	Data Quality batch for Securitization tables

Page 9 of 10 (41-45 of 48 items) Records Per Page 5

Task Details: Exclude/Include, Hold/Release

- Monitor the status of the batch using the **Batch Monitor (Financial Services Data Foundation → Operations → Batch Monitor)**.

### 3.4.4 Logging to AgileREPORTER to Retrieve the Returns

The Retrieve Return functionality in AgileREPORTER fetches data from OFSAA derived entities and embeds them on AgileREPORTER templates. This runs the decision table process in Lombard Risk. You can view the relevant OFSAA data on various schedules of the AgileREPORTER using this functionality.

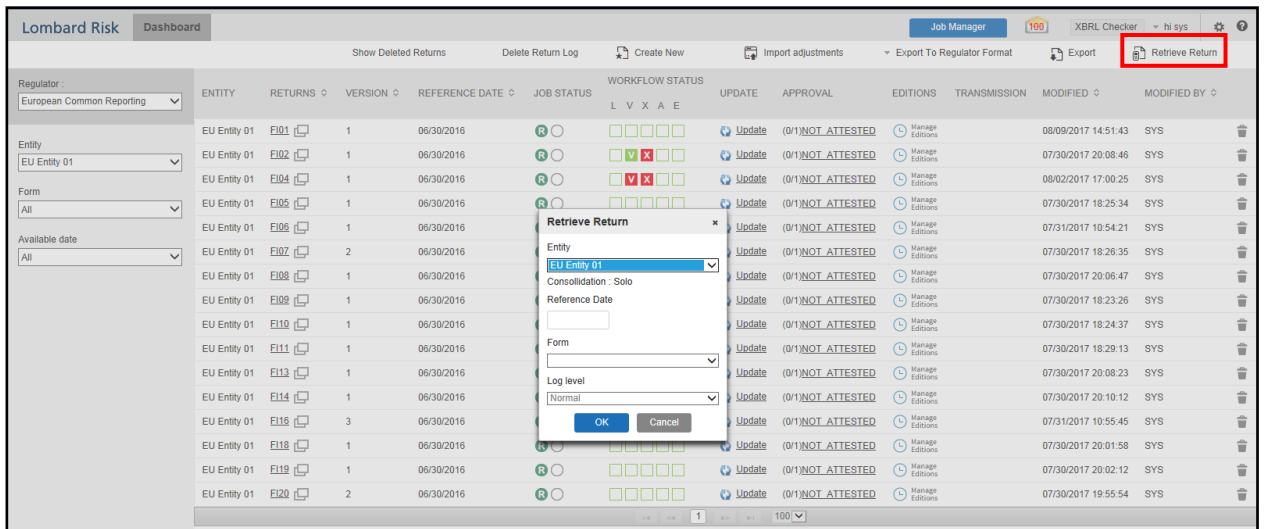


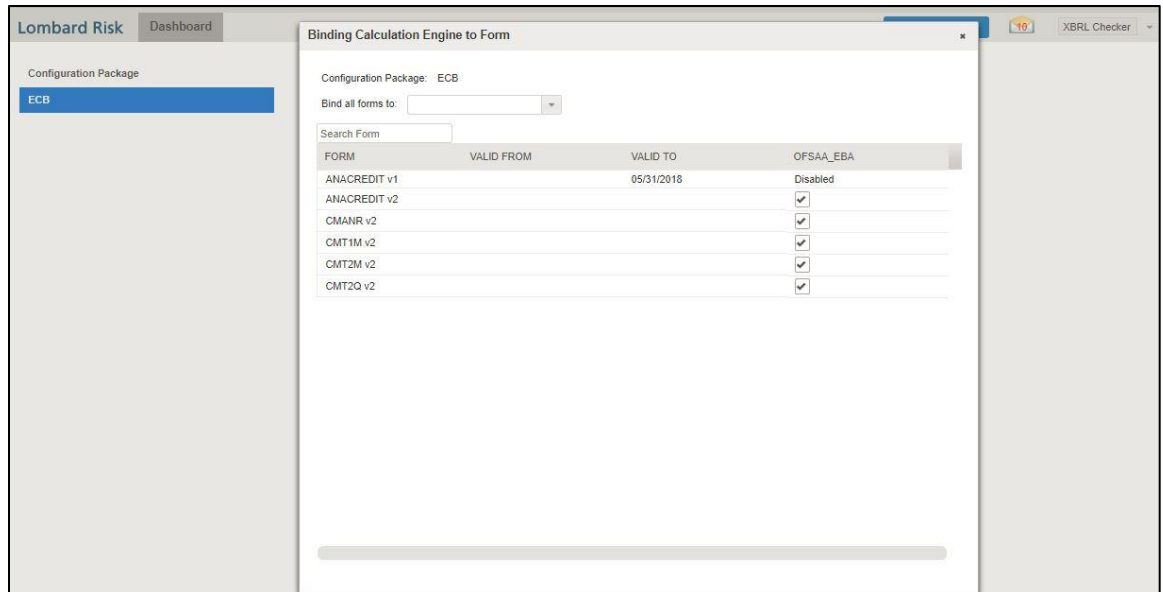
Figure 10: Retrieve Returns Page

### 3.4.4.1 AgileREPORTER for AnaCredit Data Schedules

The Retrieve Return functionality in AgileREPORTER for AnaCredit (ECB) is performed as follows:

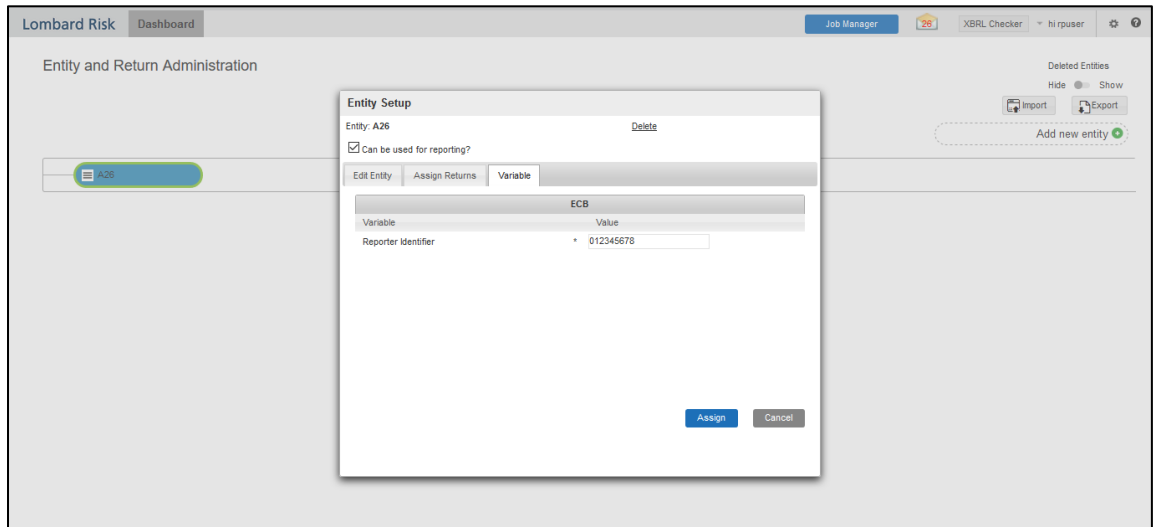
1. Navigate to **Settings** → **Administration** → **Config Package Binding** → **Binding Calculation Engine To Form**.

Ensure that all the AnaCredit data schedule boxes are selected as shown in the figure.

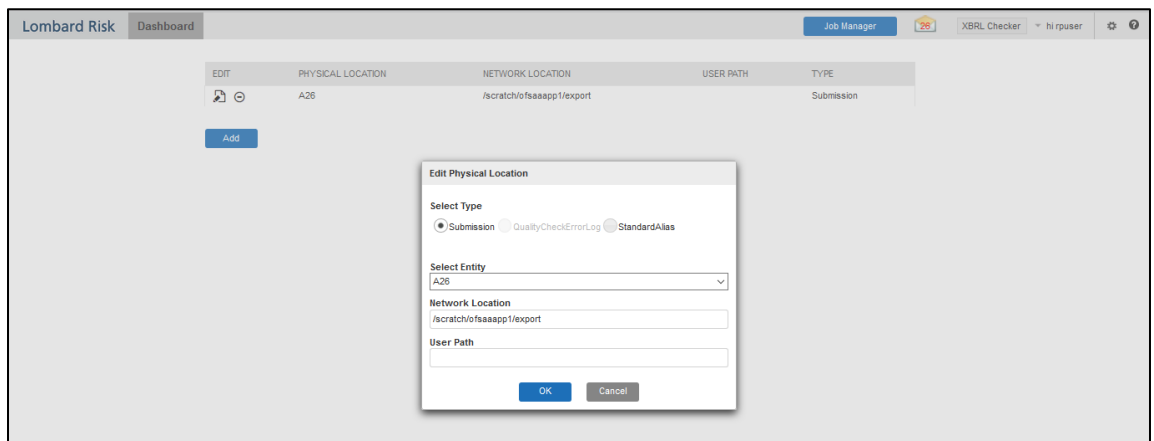




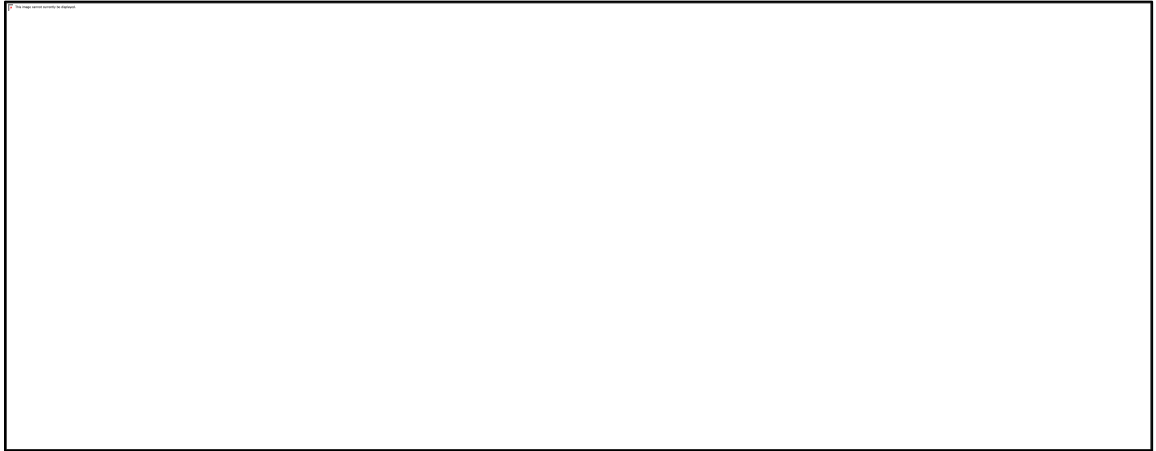
2. Navigate to **Settings** → **Entity Setup**.  
In **Entity Setup**, assign a Reporting identifier.



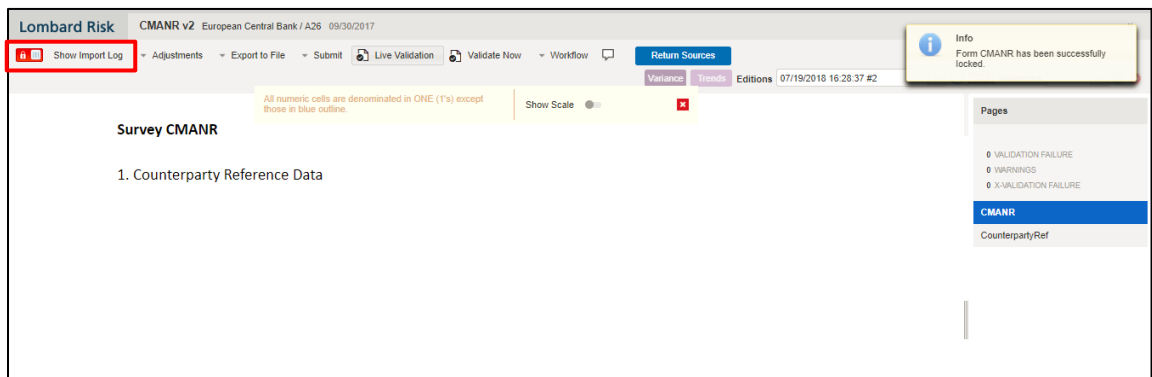
3. Navigate to **Settings** → **Administration** → **Setup Network Files Location**.
4. Create a folder from the WinSCP server under Linux user (/scratch/ofsaapp1/export).
5. Select **Add** and enter the export path for the Data Schedule XML files as shown in the figure.



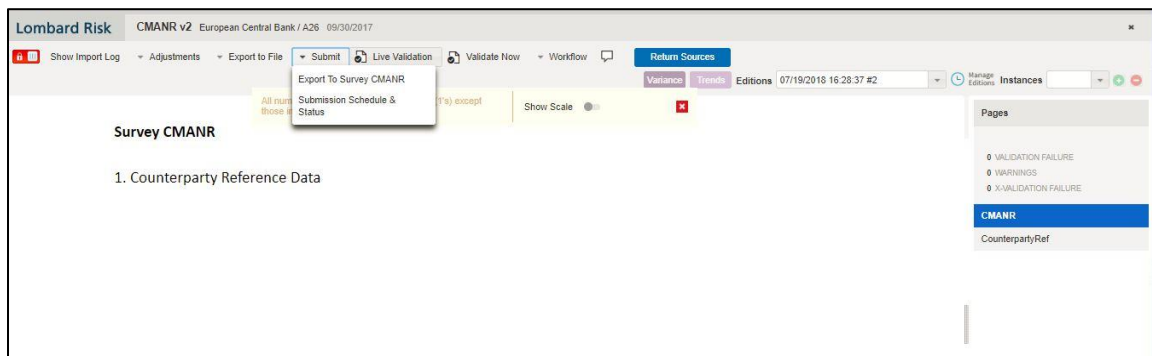
6. Select Retrieve Return. Enter the required details to retrieve the Data Schedule report.



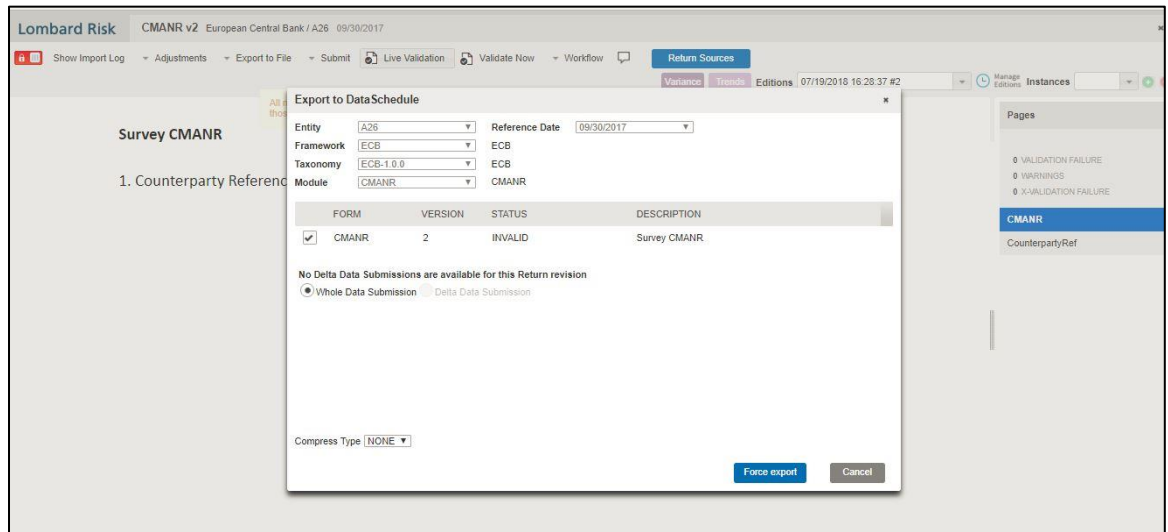
7. Open the generated report and lock the report for export with the option at the top left column as shown in the figure (next to **Show Import Log**).



8. Now go to submit option in the taskbar which you can see in the below snapshot and select **Export To <required data schedule>** (in this case, **Survey CMANR**) as shown in the figure.



- Export the data by selecting the required **Forms** and then **Force export** as shown in the figure.



- The XML file is generated in the location mentioned in Step 3.

### 3.4.5 Report Verification – Drill-down from AgileREPORTER to OFSAA Results Area

The drill-down functionality enables you to view the accounts included in the aggregation. Following these steps to drill-down from AgileREPORTER to OFSAA:

- Log in to the AgileREPORTER.

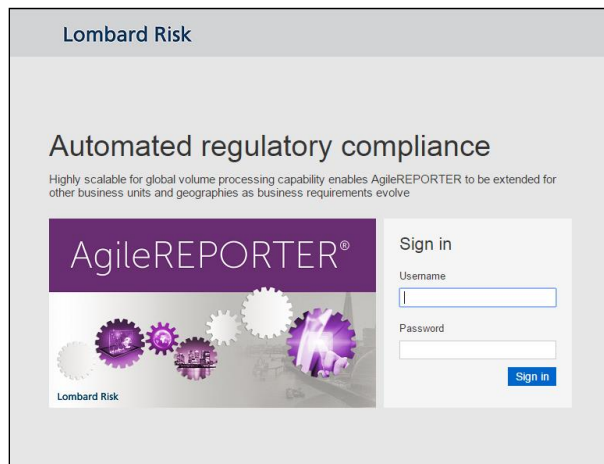


Figure 11: AgileREPORTER Login page

- You can view the list of reports on the main page. Click any report name in the Returns column, for example, **FI04**.

Regulator	ENTITY	RETURNS	VERSION	REFERENCE DATE	JOB STATUS	WORKFLOW STATUS	UPDATE	APPROVAL	EDITIONS	TRANSMISSION	MODIFIED	MODIFIED BY
European Common Reporting	EU Entity 01	EI01	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		08/09/2017 14:51:43	SYS
European Common Reporting	EU Entity 01	EI02	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 20:08:46	SYS
European Common Reporting	EU Entity 01	EI04	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		08/02/2017 17:00:25	SYS
European Common Reporting	EU Entity 01	EI05	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 18:25:34	SYS
European Common Reporting	EU Entity 01	EI06	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/31/2017 10:54:21	SYS
European Common Reporting	EU Entity 01	EI07	2	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 18:26:35	SYS
European Common Reporting	EU Entity 01	EI08	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 20:06:47	SYS
European Common Reporting	EU Entity 01	EI09	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 18:23:26	SYS
European Common Reporting	EU Entity 01	EI10	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 18:24:37	SYS
European Common Reporting	EU Entity 01	EI11	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 18:29:13	SYS
European Common Reporting	EU Entity 01	EI12	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 20:08:23	SYS
European Common Reporting	EU Entity 01	EI14	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 20:10:12	SYS
European Common Reporting	EU Entity 01	EI16	3	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/31/2017 10:55:45	SYS
European Common Reporting	EU Entity 01	EI18	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 20:01:58	SYS
European Common Reporting	EU Entity 01	EI19	1	06/30/2016	R	□□□□□	Update	(0) NOT ATTESTED	Manage Editions		07/30/2017 20:02:12	SYS

Figure 12: AgileREPORTER Main Page

- The schedule list is displayed on the right-hand side. Click any **schedule name**, for example, **Table 4.1**.

	References	Carrying amount	Accumulated changes in fair value due to credit risk
		010	020
010	Equity instruments	350,049	
020	of which: at cost	137,621	
030	of which: credit institutions	12,775	
040	of which: other financial corporations	7,783	
050	of which: non-financial corporations	132,188	
060	Debt securities	1,870,028	127,220
070	Central banks	218,956	7,480
080	General governments	369,746	34,359
090	Credit institutions	308,284	20,672
100	Other financial corporations	171,916	9,111
110	Non-financial corporations	801,119	55,597
120	loans and advances	1,162,606	97,808
130	Central banks	166,302	13,249
140	General governments	151,304	14,448
150	Credit institutions	195,865	15,391
160	Other financial corporations	55,082	4,736
170	Non-financial corporations	473,414	41,609
180	Households	120,639	8,376

Figure 13: AgileREPORTER Page Displaying List of Schedules

- Click any cell to drill-down. Figure 14 displays drill-down for the cell. The **OFSAA** icon is displayed.

4.1 Financial assets held for trading

	References	Carrying amount	Accumulated changes in fair value due to credit risk
		016	020
010	IAS 32.11	350,049	
020	IAS 39.46(c)	137,821	
030	Annex V, Part 1.35(c)	12,775	
040	Annex V, Part 1.35(d)	7,793	
050	Annex V, Part 1.35(e)	132,188	
060	Annex V, Part 1.24, 26	1,870,826	126,001
070	Annex V, Part 1.35(a)	218,958	7479.751112
080	Annex V, Part 1.35(b)	369,748	34,219
090	Annex V, Part 1.35(c)	308,284	29,486
100	Annex V, Part 1.35(d)	171,918	8,993
110	Annex V, Part 1.35(e)	801,119	55,105
120	Annex V, Part 1.24, 27	1,162,696	92,369
130	Annex V, Part 1.35(a)	166,302	12,334
140	Annex V, Part 1.35(b)	151,304	13,815
150	Annex V, Part 1.35(c)	195,865	14,500
160	Annex V, Part 1.35(d)	55,882	4,267
170	Annex V, Part 1.35(e)	473,414	39,780
180	Annex V, Part 1.35(f)	120,639	7,673

Figure 14: AgileREPORTER Drill-down (OFSAA Icon)

- Click the OFSAA icon, to view how this cell was populated (provides information about the amounts reported in a cell) from OFSAA results. You are redirected to the OFSAA drill-down page.

Data Lineage

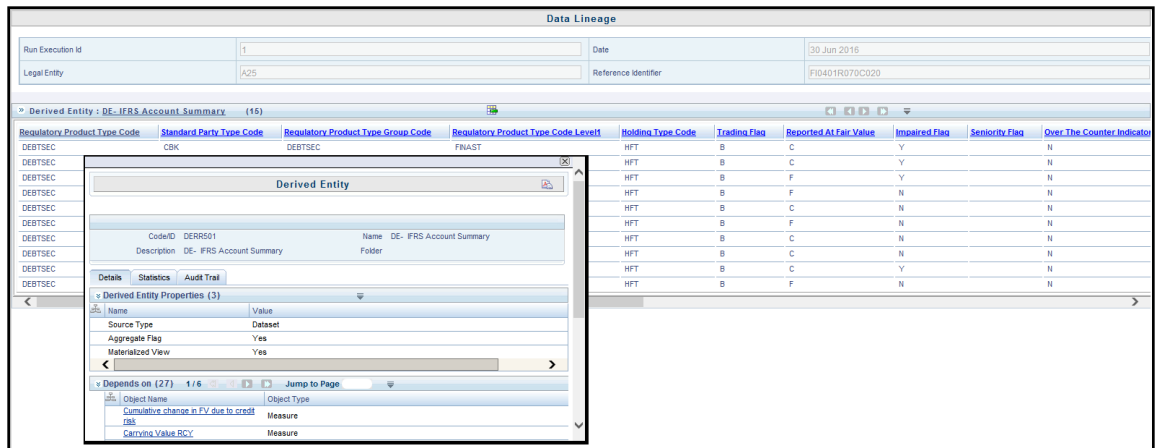
Run Execution Id: 1 Date: 30 Jun 2016  
 Legal Entity: EU Entity 01 Reference Identifier: F10401R07DC020

Derived Entity: DE - IFRS Account Summary (15)

Red Flag	Seniority Flag	Over The Counter Indicator	Buy or Sell Flag	Senior Claim Flag	Instrument Contract Indicator	Regulatory Credit Status Code	Trading Account Book Type Code	Hedge Type	Cumulative change in FV due to credit risk RCY
N		S	N			NS			
N		S	N				TRLADDER		
N		S	N				TRLADDER		2,257,544.72
N		S	N			S			263,755.79
N		B	Y						
N		B	N				TRLADDER		4,419,823.88
N		B	N				TRLADDER		
N		S	Y						
N		S	N						
N		S	Y			S			267,298.16
N		B	N						
N		B	N						
N		S	N			S			
N		S	N				TRLADDER		
N		B	Y			NS			

Figure 15: AgileREPORTER Drill-down

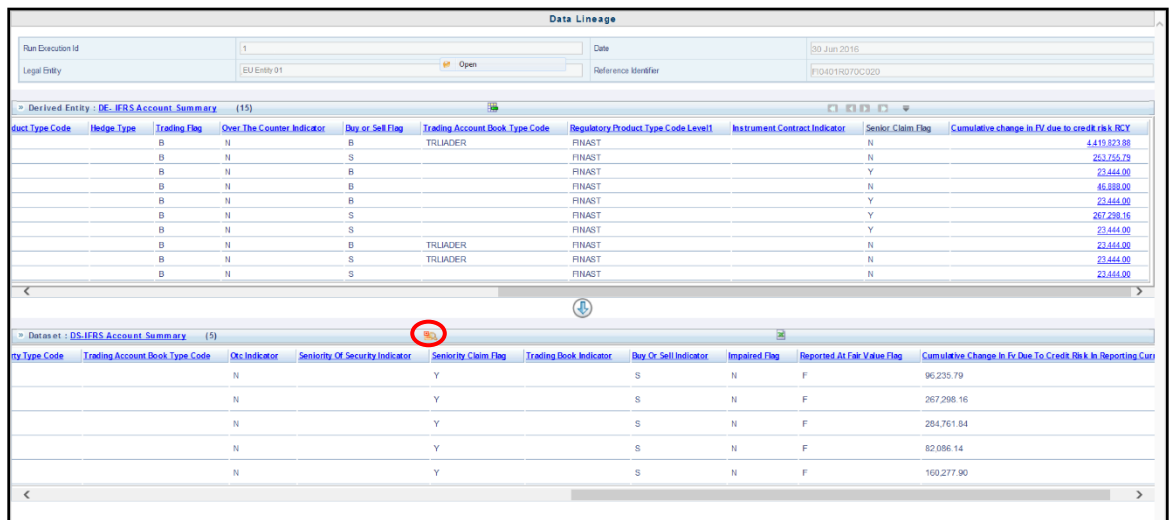
- This cell is populated from the derived entity mentioned in the grid header DE – IFRS Account Summary. The value in the derived entity grid 7479.751112 (rounded to 7,480) is the sum of the **Cumulative change in FV due to credit risk RCY** must match with that of the cell in the report. The derived entity is an aggregate built on top of the OFSAA results model to serve regulatory template requirements. It is built using dimensions, measures, and business processors. The dimensions that participate in determining the cell value is displayed with data. Click the **Derived Entity** link in the grid header.



**Figure 16: Data Trace Browser / OFSAA Report Drill-down Screen**

Derived entity details are displayed in the Metadata Browser within the page. Scroll to view complete details such as Datasets, Hierarchies, Measures and so on.

7. Double-click any figure in the screen to drill-down to the fact tables. The below grid displays the detailed granular rows of fact data that comprises the derived entity aggregate. Scroll to the right in the second grid to view the values.



**Figure 17: Derived Entity MDB View**

8. Click the **Attribute Selector** icon on the header of the second grid.

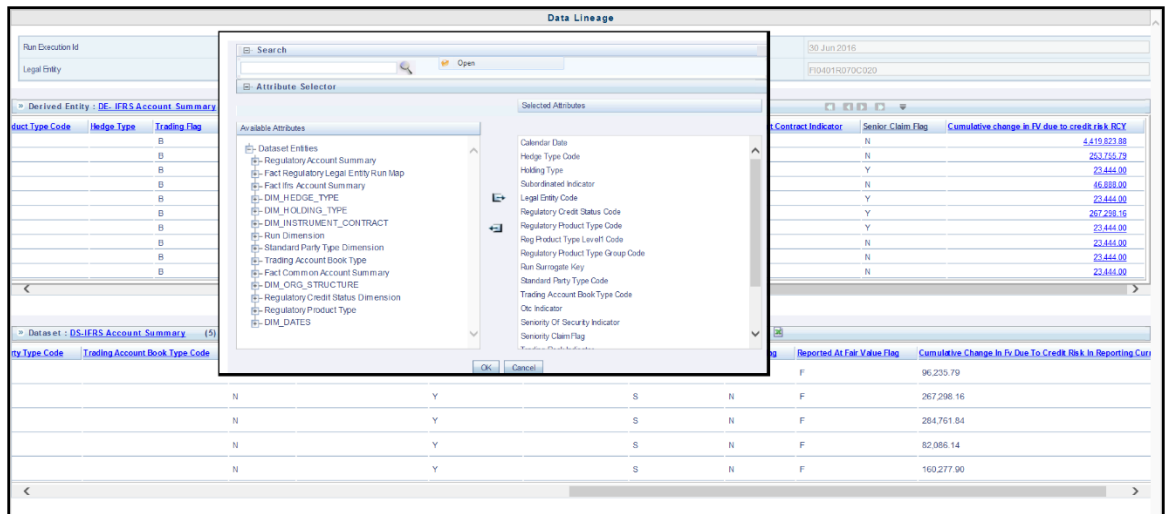


Figure 18: Drill-down Attribute Selector 1

9. Expand **Data Entities** and select **Attribute** to be shown in the drill-down. Click **OK**.

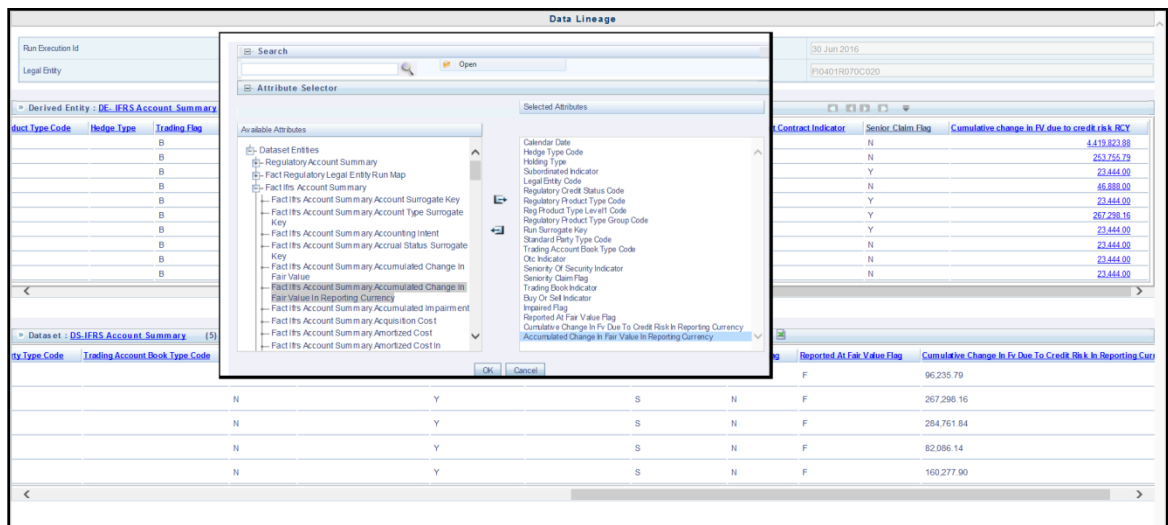




Figure 19: Drill-down Attribute Selector 2

**NOTE**

Select the required Data Source, from the Available list and click the  icon. You can press the Ctrl key for multiple selections. To map all the listed Data Sources to the application, click the  icon.

- If **Accumulated Charge in Fair Value** details is required, scroll and click the column header. The details are displayed in a separate window.

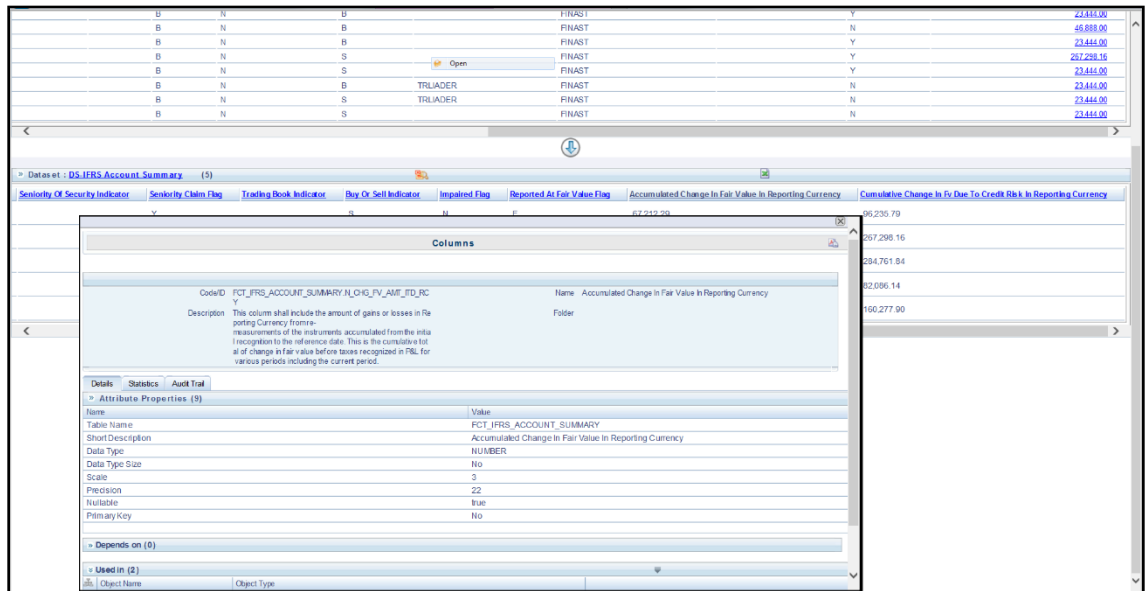


Figure 20: Drill-down Columns

## 3.5 Metadata Browser

This section helps you to navigate through the Metadata Browser and guides you in tracing the source of the metadata. The Metadata Browser function allows you to view and analyze all aspects of the metadata used in the OFSAAI. It provides extensive browsing capabilities of metadata, helps in tracking the impact of changes to metadata, and trace through to the source of originating data.

Metadata Browser (Object and Application View) provides a common repository of metadata objects created in OFSAAI and applications hosted in OFSAAI. Using this view, you can identify the usage of base objects in higher-level objects and the mapping of Objects to Application, thus enabling traceability. It also allows you to view the data flow and the workflow of the application and understand the usage of objects within the application.

The new visualization of Metadata Browser (MDB) supports the Application view and Object view. In the Application view, you can browse through the metadata created using the applications hosted in OFSAAI. In the Object view, you can view the metadata created in OFSAAI.

To access the Metadata Browser (Object and Application View), your role must be mapped to the SCR\_MDB function.

Analysts review the metadata used for a particular report schedule to verify the data. Data verification may require looking for metadata used in a given schedule or it can be schedules in which particular metadata is used. Data Analysts and Reporting Analysts perform the report verification. Metadata refers to business measures, hierarchies, data sets, derived entities used for a given schedule.

To use MDB for schedule-wise metadata, and to use MDB for metadata wise schedule, perform the following steps.



1. To use MDB for schedule-wise metadata, for a given schedule, identify the metadata used.
  - a. You can verify the data for related data elements in results using this information. Navigate to path **Objects → OFSAA Data Model → Reporting Metadata → Reports**. The Left Hand Side (LHS) displays the list of reports. For example, Figure 21 refers to the FI0401 report.

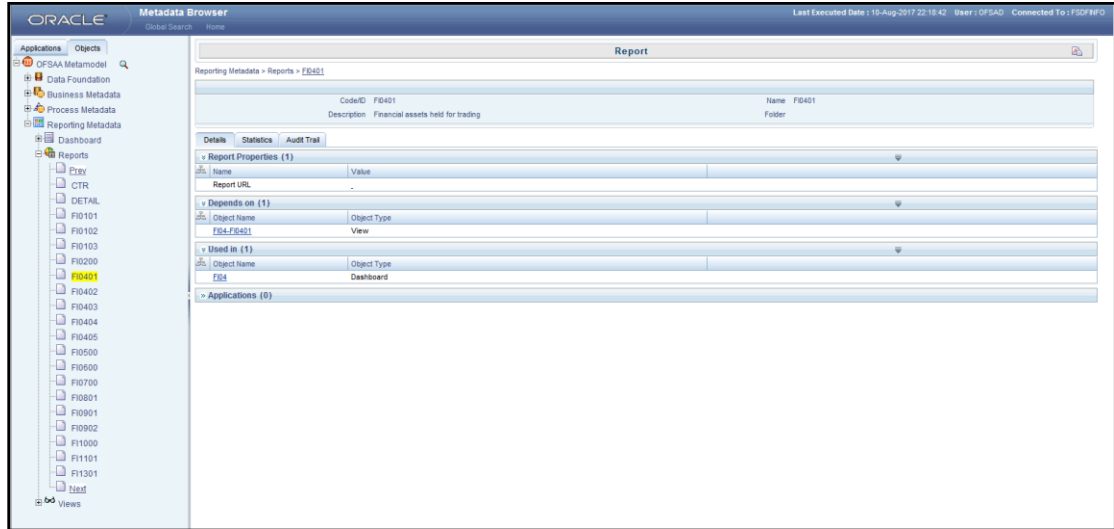


Figure 21: MDB - Reporting Metadata - Schedule View 1

- b. Click the object view **FI04-FI0401**. The *Report Details* page is displayed.

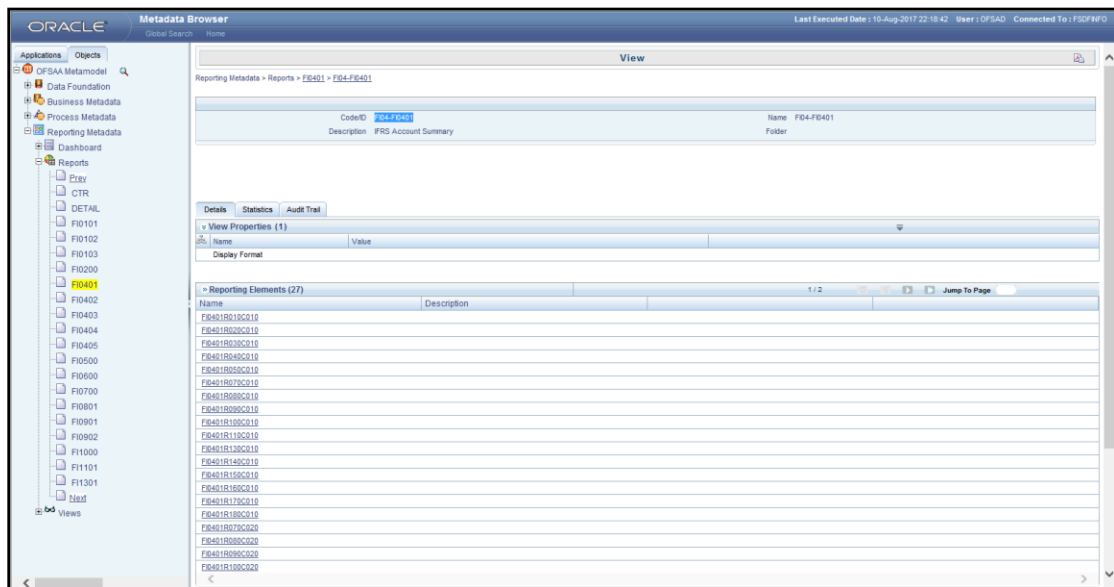


Figure 22: MDB - Reporting Metadata - Schedule View 2

You can view the below information in the Details tab:

- **Reporting Elements:** This section displays the line items in a report with regulatory references.
- **Depends On:** This section displays the metadata used in a given schedule.
- **Used In:** This section displays the Reports in which this schedule is used.
- **Applications:** This section displays the applications in which this schedule is used.

- c. Click any Reporting Element. For example, FI0401R140C010. The following page is displayed.

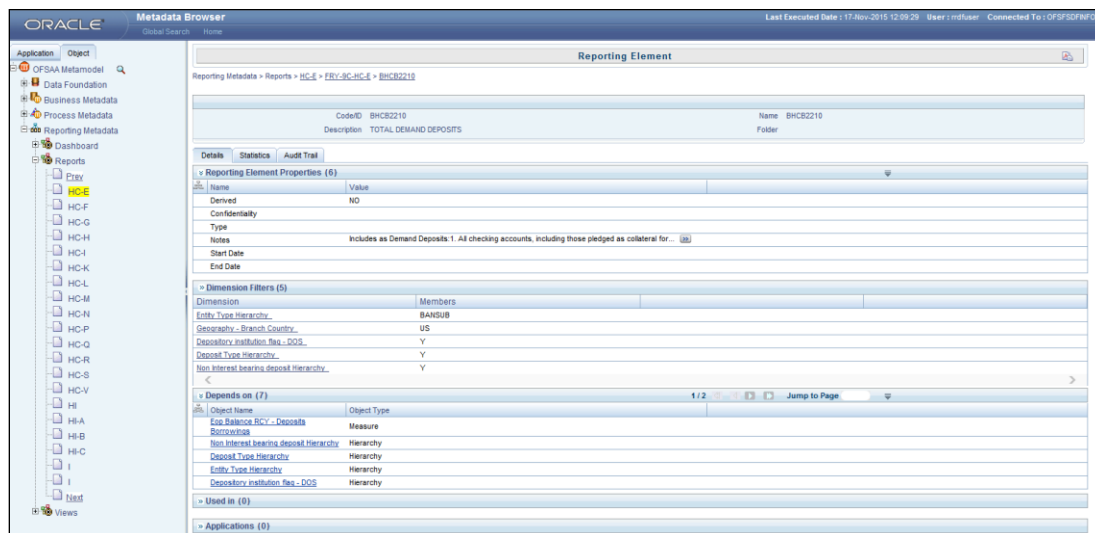


Figure 23: MDB - Reporting Metadata - Schedule View 3

You can view the following information on this page:

- **Reporting Element Properties:** It provides information on line items or cell references in regulatory reports.

Table 2: Fields and their Descriptions in Reporting Element Properties

Fields	Description
Derived	Provides information on whether the cell is derived/computed using other elements.
Confidentiality	Refers to regulator specific interpretation.
Type	Refers to regulator specific interpretation.
Notes	Refers to regulator specific interpretation.
Start Date	Refers to regulator specific interpretation.
End Date	Refers to regulator specific interpretation.

- **Dimension Filters:** This section displays the dimensions and node value filters used to derive a particular cell.
- **Depends on:** This section displays all the hierarchies (dimensions, filters) and business measures used for arriving at a particular cell / MDRM code.
- **Used In:** This section displays the Objects in which this schedule is used.
- **Applications:** This section displays the applications in which this schedule is used.

2. Starting from common metadata used across the application, you may want to know the list of reports/ derived entities this metadata has used. Let us take an example of a measure. To identify how value has been computed, follow these steps to trace it back to the metadata:
  - a. To view the measures, navigate to path **Objects → OFSAA Data Model → Business Metadata → Measures**. The LHS displays the list of measures. For example, Figure 24 refers to **ALM EOP Balance RCY**.

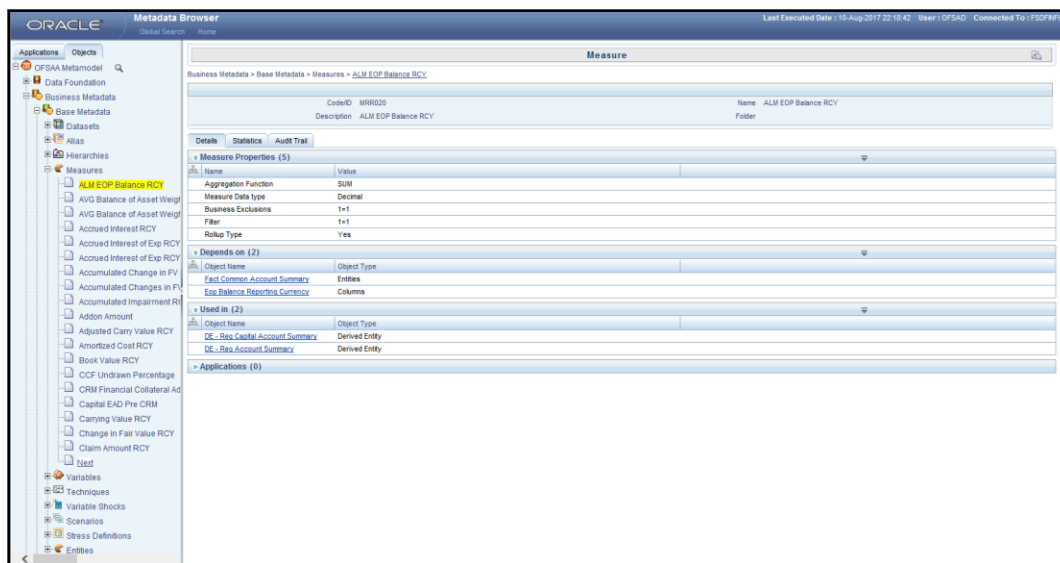


Figure 24: MDB - Business Metadata - Measure View

You can view the below information in this page:

- **Measure Properties:** It provides information on the properties of Business measures. For example aggregation function, Measure Data Type, Business Exclusions, Filter and Rollup Type.
- **Depends on:** This section displays all the object names and their types, such as Entities, Columns and so on.
- **Used In:** This section displays the Objects in which this schedule is used.
- **Applications:** This section displays the applications in which this schedule is used.

Follow these steps to view the derived entities used in a given schedule:

**NOTE** The similar steps as below are applicable for other metadata such as Business Metadata (Hierarchies, Measures, Variables and so on) and Derived Metadata (Dimensions, Filters and so on).

To view the schedule-wise derived entities, navigate to path **Objects → OFSAA Data Model → Derived Metadata → Derived Entities**. The LHS displays the list of Schedules. For example, Figure 25 displays the derived entities used in the **FCT IFRS Account Summary** table.

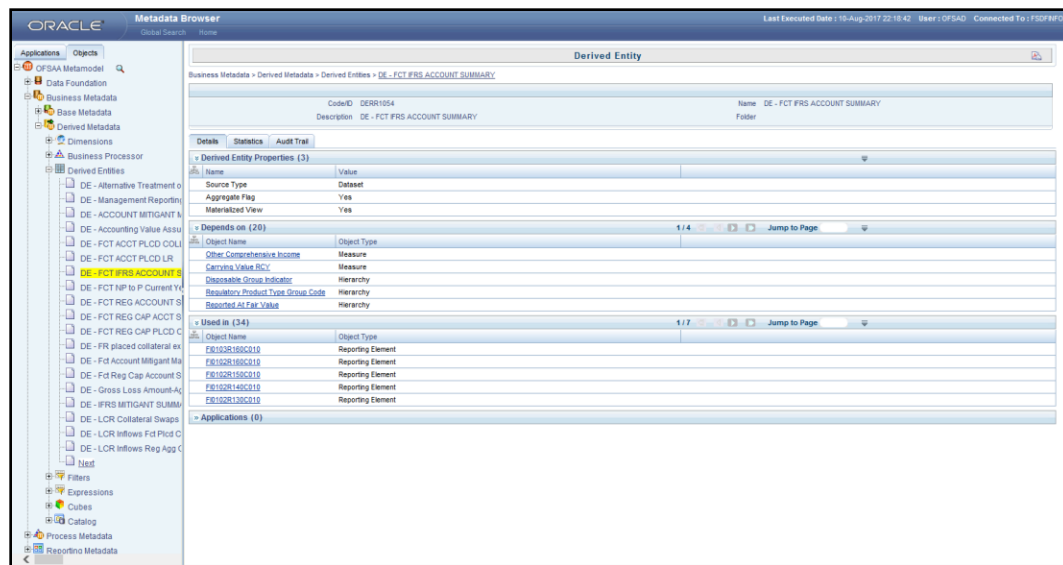


Figure 25: MDB - Business Metadata – Derived Entity

You can view the following information on this page:

- **Derived Entity Properties:** It provides information on properties of derived entities, such as Source Type, Aggregate Flag, and Materialized View.
- **Depends on:** This section displays all the object names and their types, such as Measure, Hierarchy, and so on.
- **Used In:** This section displays the Objects in which this schedule is used.
- **Applications:** This section displays the applications in which this schedule is used.

## 4 Regulatory Reporting Solution Data Flow

This chapter provides an understanding of the data flow. It explains what happens within data flow and how various processing aspects are integrated with the overall data flow.

It includes:

- [Data Preparation](#)
- [Mapping of Results to Line Items in Reporting](#)
- [AgileREPORTER: Submission](#)

### 4.1 Data Preparation

This section explains the input data preparation from OFSAA. It includes:

- [Assumptions for Data Preparation](#)
- [Run/Execution Expectations](#)
- [Projection Data](#)
- [Data Flow from Sources Systems to Staging Area](#)
- [Data Flow from Staging to Results Area](#)
- [Data flow from Staging to Processing Area](#)
- [Data Flow from Processing to Results Area](#)
- [Dimension Tables/Entities](#)

#### 4.1.1 Assumptions for Data Preparation

1. RRS is a reporting solution, which uses data from underlying fact tables directly for reporting. The end-user is expected to prepare the load for the required data in the reporting area accordingly. Although this has a thin processing layer to reclassify to regulatory dimensions and bands, all the processing measures are expected to be from respective applications and provide as required.
2. It is integrated with the results area of the respective processing application, and any change in the underlying processing can disturb the RRS data sourcing.
3. Baseline and stress data must be populated with appropriate codes. Inaccurate mappings may lead to inaccurate results. For details please refer to [Relationship between Run and Stress](#).
4. For usage of consolidation dimension (which has values like Actual, Budget, Forecast, and so on), all historical data is expected to be tagged as actual for the purpose of reporting vintage data, as per report requirements. For projection data, for a given run and Projection Period (quarter/year), only one set of data is expected to be stored.
5. All processing reporting requirements requiring cash flows, integration package expects bucketed cash flow as an input (meaning a time bucket for cash flow and cash flow amount is expected as input).
6. For the purpose of AnaCredit reporting, default status, if any, is expected at a counterparty level and not at the instrument level.
7. For the purpose of AnaCredit reporting, the interest rate curve is expected as a concatenation of interest rate curve plus currency plus tenor. For instance, LIBOR in USD corresponding to 1 Month is expected as LIBOR – USD – 1M.

8. Data for the Attribute “Type of Identifier” is a direct download from the reporting institution (@stg\_party\_identification\_doc. v\_doc\_type\_code) and it is not seeded by FPDF. So the reporting institution has to provide the download in sync with the regulatory requirements and periodic updates, as applicable.
9. PK for FCT\_OREC\_UOM\_CAPITAL\_SUMMARY is N\_UOM\_SKEY and it can be either entity or the LOB. Hence, there is no entity Skey separately that can result in Cartesian for C16 report.

## 4.1.2 EBA RUN CHART

Oracle Financial Services Regulatory Reporting for EBA – Lombard Risk Integration Pack provides the EBA RUN Chart listing the tasks required for the population of data for EBA Reports. This covers the following tasks:

- Set up table population
- Stage Dimension Load
- Seeded Dimension Data Population
- Common data Population
- Common Tasks like Exchange Rate Population
- EBA Specific Data Population and Transformation
- Derived Entity Refresh
- Download the OFS REG REP EBA 8.0.9.0.0 RUN Chart from the [MOS](#).

## 4.1.3 Run/Execution Expectations

Run refers to execution. It is assumed that at different time periods, a different combination of parameters, and different data require different executions. From a reporting perspective, as required by regulators, data is required for the following executions:

1. Current Data / Execution
  - b. Reporting month-end data
  - c. Projection Data
2. Historical (trend/vintage) Data
  - d. Yearly
  - e. Quarterly
3. Stressed Data

**NOTE**

- For Movement measures data is not carried from one reporting period to another. For example, Profit or Loss. Where General ledger balances such as loan outstanding are carried forward from one year to another, profit and loss are period specific.
- Therefore, unlike End of Period (EoP) balance, movement values for quarter actuals must be derived for reporting. For historical data, net sales for quarter 3 is the difference between the sales figure as of the end of quarters 2 and 3. You do not need to provide this difference as a download. Movement data for actual is identified through different runs and the respective values is summed up.
- Only those records, whose corresponding runs fall between the fiscal month start date and end date of the reporting quarter are selected for summation. Each Run has an associated date, and runs can be performed daily. Assuming that runs are performed daily in a given quarter (90 days), RRS sums up data points across all 90 days to arrive at a quarter-end movement figure.
- However, when the projection of net sales for quarter 2 next year is to be performed, no derivation is required. Projections data for the said quarter can be directly downloaded in the respective Fact table(s) for reporting.

#### 4.1.4 Data Flow from Source Systems to Staging Area

The staging area is populated with data from various data sources, such as GL data, Account data, Customer data, Trading data, Currency data, and Master data. See *Data Integration Hub (DIH) User Guide* in OHC Documentation Library for details. DIH enables to load the data from the source systems to the OFSAA staging tables, through logical interfaces, known as Application Data Interfaces (ADI). DIH provides a set of User Interfaces (UI), which is used to define and maintain External Data Descriptor (EDD), Application Data Interfaces, and map the EDDs and ADIs through connectors.

#### 4.1.5 Data Flow from Staging to Results Area

This section details the pass through data, transformed data, and classification.

##### 4.1.5.1 Pass Through Data

Pass through data refers to the static data that is pre-processed and flows to the results area directly. The Common Staging Area (CSA) model represents the data entry point into the FSDF. CSA provides a simplified, unified data sourcing area for inputs required by analytical applications and engines. It consists of over 400 tables and nearly 9000 columns organized into distinct subjects.

The staging area is a physical data model, which is deployed using the Analytical Application Infrastructure, which manages it. The design of the staging area data model is to allow efficient data loading for analytics. It thus has crucial differences from a general-purpose repository of operational/transactional data across a bank.

The staging area acts as the single source of data and contains unified data requirements for various banking areas such as Loans and Losses, Off-balance Sheet products, Securities, Derivatives, Capital Data, Management Ledger and General Ledger. A common example of this category includes various monetary amounts, dates and so on.

#### 4.1.5.2 Derived / Transformed Data and Reclassifications

OFSDF Interface with Lombard Risk for EBA requires specific hierarchies and data to be transformed and reclassified to regulator specific values.

**Table 3: Data Transformation Example**

Source Hierarchy		Target Hierarchy
Maturity Date	As-of-Date	DIM EBA Remaining Maturity

This rule uses the bank-specific data coming at the account level, such as the maturity date. The difference between the maturity date and the as-of-date is computed to arrive at the remaining maturity band. However, these values are bank-specific and must be converted or reclassified to a regulatory specific set of values such as DIM EBA Remaining Maturity Band as mentioned above.

Reporting derived entities use these reclassified dimensions. Some of the reclassifications are performed in the respective application area.

For example, DIM BASEL PRODUCT TYPE. This reclassification is performed in Basel application processing and available for reporting directly.

Other transformations include various bands such as delinquency band, loan purpose and so on.

#### 4.1.5.3 Re-classified to Regulatory Classifications

After transformation, the regulatory data is reclassified as follows:

**Table 4: Data Reclassification Example 1**

Source	Attribute	Interim Target	Target
DIM PRODUCT	Withdrawable Reserve	DIM STANDARD PRODUCT	DIM REG PRODUCT
Checking Accounts	= N	CASA	Current Accounts

**Table 5: Data Reclassification Example 2**

FCT REG ACCOUNT SUMMARY			
Account Number	REG PROD Classification	Remaining Maturity Band	Delinquency Band
1	OTHER TERM LOAN	1	3

The sample reclassifications performed to transform the existing hierarchies to regulatory specific hierarchies are:

- Regulatory Product Classification
- Regulatory Instrument Classification
- Trading Account Book Type Classification



The additional transformations that are performed are:

- Remaining Time to Maturity Band
- Regulatory Delinquency Band

Within reclassification rules, few rules where the source is customer-specific values. In such cases, these rules must be validated and updated as required by you because Out-of-Box rule can differ from what you have. Such rules are very few and restricted to:

1. Standard Product Type Reclassification
2. Standard Party Type Reclassification
3. Standard Mitigant Type Reclassification
4. Regulatory Industry Reclassification
5. Regulatory Credit Status Reclassification
6. Regulatory Loan Purpose Reclassification

AnaCredit Reclassification Rules are as follows.

Sl. No.	Rule Name	Rule Type	Source Table	Source Column	Target Table	Target Column
1	Standard Product Reclass – DIM_PRODUCT_TYPE to DIM_STANDARD_PRODUCT_TYPE	CUSTOM	FCT_REG_ACCOUNT_SUMMARY	N_PROD_TYPE_SKEY	FCT_REG_ACCOUNT_SUMMARY	N_STANDARD_PRODUCT_TYPE_SKEY
2	Standard Party Reclass – DIM_PARTY_TYPE to DIM_STANDARD_PARTY_TYPE	CUSTOM	FCT_REG_ACCOUNT_SUMMARY	N_PARTY_TYPE_SKEY	FCT_REG_ACCOUNT_SUMMARY	N_STANDARD_PARTY_TYPE_SKEY
			[Party granule] DIM_PARTY	[Party granule] V_PARTY_TYPE	FCT_REG_ACCT_JOIN_T_LIABILITY	
			[Joint Liability granule] DIM_PARTY	[Joint Liability granule] V_PARTY_TYPE	FCT_REG_PARTY_DET_AILS	
3	Standard Mitigant Reclass – DIM_MITIGANT_TYPE to DIM_STD_MITIGANT_TYPE	CUSTOM	FCT_MITIGANTS	N_MITIGANT_TYPE_SKEY	FCT_MITIGANTS	N_STD_MITIGANT_TYPE_SKEY
4	Encumbrance Source – DIM_REG_ENCUMB_SOURCES – DIM_ENCUMBRANCE_SOURCES	CUSTOM	FCT_COMMON_ACCOUNT_SUMMARY	N_ENCUMBRANCE_SOURCE_SKEY	FCT_REG_ANAC_INST_ACCT_FIN_DS	N_REG_ENCUMB_SRC_SKEY

5	Legal Proceeding Status – DIM_REG_LEGAL_PROCEEDING_ STATUS - DIM_LEGAL_PROCEEDING_STATUS	CUSTOM	FCT_REG_PARTY_D DETAILS	N_LEGAL_PROCEEDIN G_STS_SKEY	FCT_REG_ANAC_CNT RPRTY_REF_DS	N_REG_LEGAL_PRO CEDING_STS_SKEY
6	Type of Protection Value – DIM_REG_PROTECTION_VALUE_ TYPE - FCT_MITIGANTS	CUSTOM	FCT_MITIGANTS	V_TYPE_OF_PROTECT ION_VALUE	FCT_REG_ANC_PRTN_ RCD_DS	N_REG_PROTECT_ VALUE_TYPE_SKEY
7	Forbearance Status – FCT_REG_ACCOUNT_SUMMARY - FCT_COMMON_ACCOUNT_SUMM ARY	CUSTOM	FCT_COMMON_ACC OUNT_SUMMARY	N_FORBORNE_STATU S_SKEY	FCT_REG_ANAC_INST _ACCT_FIN_DS	N_REG_FORBORNE_ STATUS_SKEY
8	Account Purpose – DIM_REG_ACCOUNT_PURPOSE - DIM_ACCOUNT_PURPOSE	CUSTOM	FCT_COMMON_ACC OUNT_SUMMARY	N_ACCOUNT_PURPOS E_SKEY	FCT_REG_ANAC_INST _ACCT_FIN_DS	N_REG_ACCT_PURP OSE_SKEY
9	Industry Type – DIM_REG_INDUSTRY - DIM_INDUSTRY	CUSTOM	DIM_PARTY	V_INDUSTRY_CODE	FCT_REG_ANAC_CNT RPRTY_REF_DS	N_REG_INDUSTRY_ SKEY
10	Organization Constituent Type – DIM_REG_ORG_CONSTITUTENT_ TYPE – DIM_PARTY	CUSTOM	DIM_PARTY	V_ORG_CONSTITUENT _TYPE	FCT_REG_ANAC_CNT RPRTY_REF_DS	N_REG_ORG_CONS T_TYPE_SKEY
11	Securitization Type- DIM_REG_SECURITIZATION_TYPE (CUSTOM)	CUSTOM	FCT_COMMON_ACC OUNT_SUMMARY	N_SECURITIZATION_T YPE_SKEY	FCT_REG_ANAC_INST _ACCT_FIN_DS	N_REG_SECURITIZA TION_TYPE_SKEY
12	Accounting Classification – DIM_REG_ACCT_CLASSIFICATION - DIM_HOLDING_TYPE	OUT-OF- BOX	—	—	—	—
13	Default Status – DIM_REG_DEFAULT_STATUS - FCT_PARTY_DETAILS and FCT_COMMON_ACCOUNT_SUMM ARY	OUT-OF- BOX	—	—	—	—
14	Enterprise Classification – DIM_REG_ENTPRISE_CLASSIFICTION - DIM_PARTY and FCT_PARTY_FINANCIAL_DETAIL	OUT-OF- BOX	—	—	—	—

15	Interest Rate Reset Frequency – DIM_REG_FREQUENCY_TYPE - FCT_COMMON_ACCOUNT_SUMMARY	OUT-OF-BOX	—	—	—	—
16	Payment Frequency – FCT_REG_ACCOUNT_SUMMARY - FCT_COMMON_ACCOUNT_SUMMARY	OUT-OF-BOX	—	—	—	—
17	Amortization Type – DIM_REG_AMORTIZATION_TYPE - DIM_AMORTIZATION_TYPE	OUT-OF-BOX	—	—	—	—
18	Regulatory Product type – FCT_REG_ACCOUNT_SUMMARY – DIM_STANDARD_PRODUCT_TYPE	OUT-OF-BOX	—	—	—	—
19	Protection Valuation Method - DIM_REG_VALUATION_METHOD - DIM_VALUATION_METHOD	OUT-OF-BOX	—	—	—	—
20	Institutional Sector – DIM_REG_PARTY_TYPE - DIM_STANDARD_PARTY_TYPE	OUT-OF-BOX	—	—	—	—
21	Credit Status – DIM_REG_CREDIT_STATUS - DIM_CREDIT_STATUS	OUT-OF-BOX	—	—	—	—
22	Mitigant Type – DIM_REG_MITIGANT_TYPE - DIM_STD_MITIGANT_TYPE	OUT-OF-BOX	—	—	—	—
23	GL Account to Reporting Line Mapper Maintenance	OUT-OF-BOX	—	—	—	—

See [Business Metadata](#) for details on these reclassifications.

## 4.1.6 Data Flow from Staging to Processing Area

The staging area of the FSDF serves as a container for analytical processing from sourcing to consumption. Such processing is usually delivered in the form of discrete units called analytical applications, spanning different analytical use cases ranging from Finance to Risk to Compliance.

These applications include custom-built computational engines and numerical libraries, and can execute processes on the data that range from simple aggregations to complex, multi-step stochastic processes such as Monte-Carlo simulation.

Hence, analytical applications place varying demands on the data infrastructure in terms of volumes and speed, and hence place different demands on the data architecture. In practice, the normalized (3NF) design favored for enterprise data warehouses often fails to be efficient or performant when it comes to analytical processing across a wide range of use cases.

Therefore, the OFSDF recognizes the need for distinct application-specific working stores, separate from the staging and reporting area. For example, the OFSAA Asset and Liability Management (ALM) application have a distinct set of ALM-specific tables, as does the Market Risk solution.

### NOTE

The structure of these processing area stores is decided by the actual analytical application and engine used. The OFSAA suite of applications is organized this way, with each application managing a specific set of tables/schemas within the processing area.

The processing area tables/schemas are not part of the OFSDF. This is because OFSDF is intended to be an open platform. Other analytical applications and engines can equally provision data out of OFSDF by mapping their input requirements appropriately to the OFSDF staging area model.

## 4.1.7 Data Flow from Processing to Results Area

This step is similar to [Data Flow from Staging to Results Area](#). It involves either pass through data from processing to results or loading directly to results (refer [Section 3.1.8](#)). This is mostly due to processing measures such as Fair Value, Risk-Weighted Assets, and so on.

## 4.1.8 Guidelines for Data Loading to Result Area Tables in Data Foundation for Regulatory Reporting Implementations

Regulatory reports make use of data available across several fact tables in the OFSAA data foundation model and these result tables are either loaded from the raw data sourced from source systems via out of the box T2Ts or processed data output from various OFSAA applications.

For example, Fact LRM Account Summary (FCT\_LRM\_ACCOUNT\_SUMMARY) which stores the liquidity risk related attributes and metrics computed by OFSAA LRM application, Fact Loan Loss Forecasting and Provision Account Summary (FCT\_LLFP\_ACCOUNT\_SUMMARY) which stores the attributes and measures computed by OFSAA LLFP application. However, there can be several implementation use cases in the regulatory reporting space where the customer can not have licensed any of the OFSAA application and hence must put additional custom effort to design an ETL process to load the required data elements into the respective fact tables referenced by the report. The following section highlights some of the guidelines that the customer can consider when designing a data flow for such a use case.

- Consistent Usage of Run Identifier

Most of the fact tables used in regulatory reporting are run enabled and have a composite primary key inclusive of run identifier that enables the same snapshot of data to be loaded multiple times into the target fact table for any given execution date. All the out of the box processes that impact data used in regulatory reports are executed as part of an integrated run to ensure that run identifier is consistent across fact tables. Since the reporting is done on an integrated schema, it is imperative for the custom data flow design to keep this integrity intact. This essentially means that the custom ETL processes designed to load the data directly into the fact tables must be able to leverage the run identifier generated by the run engine during execution. Run Identifier information is available in the DIM\_RUN table.

- Correct Dimensional Lookup Configuration

Dimensional identifiers are typically part of referential integrity constraints with the fact table so the custom ETL processes must ensure that lookups retrieve a valid surrogate key for a given value of the business key. The intermediate staging structure must ensure all the business keys are persisted correctly and the lookup condition is designed on the correct dimension table.

For example, FCT\_LRM\_ACCOUNT\_SUMMARY.n\_asset\_level\_skey → DIM\_ASSET\_LEVEL.n\_asset\_level\_skey. The business key (v\_asset\_level\_code) must be sourced and persisted to ensure correct values are populated in the target column, that is, FCT\_LRM\_ACCOUNT\_SUMMARY.n\_asset\_level\_skey.

From the OFSAA technical infrastructure standpoint, the mentioned options are available to the customer to design and implement the custom ETL process explained above. OFSAA strongly recommends the below options to maintain consistency in terms of data lineage in Metadata browser as the configured metadata can be made available in the meta-model via MDB publish:

1. Data Integration Hub (DIH) Connectors
2. Data Mapping (T2T) option in Application Infrastructure
3. Data File Mapping (F2T) option in Application Infrastructure

#### 4.1.8.1 DIH Connectors

For customers that have licensed DIH to source data from external systems into OFSAA, this probably is the easiest approach to load data into the result area table. Source data could either reside in a relational structure or in a file structure. Mappings maintained in DIH are logical in nature while physical implementation is managed internally. Dimensional lookups work seamlessly without the need for any additional configuration in the connector mapping as this too is managed internally by DIH. See the DIH User Guide for details on how to load data into a result area table.

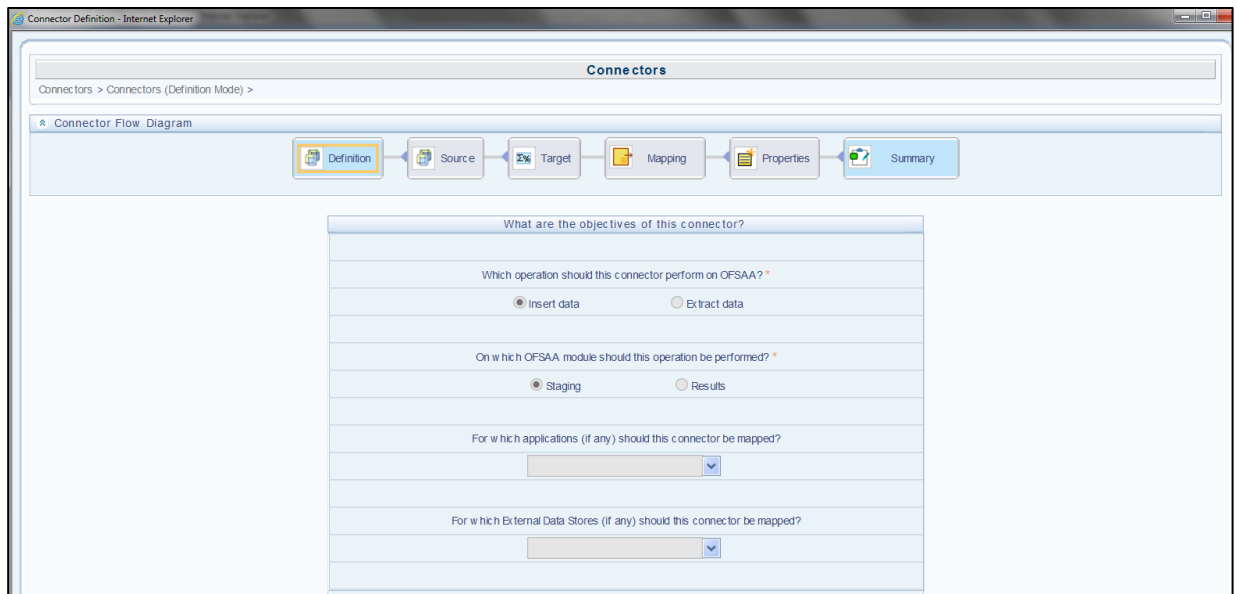


Figure 26: DIH Connectors

#### 4.1.8.2 Data Mapping (T2T)

Data Mapping refers to the process of retrieving unstructured data from data sources for further data processing, storage, or migration. This feature is commonly known as RDBMS source to RDBMS target (T2T) framework in the OFSAA world and can be leveraged when source data is available in the Oracle database. Dimensional lookups must be handled via the T2T's join condition and expressions. See the OFS AAI User Guide for more details on configuring a T2T.

#### 4.1.8.3 Data File Mapping (Flat File to RDBMS Target - F2T)

If the source data is available in file structures, the OFSAA F2T component can be used to bring the data in the OFSAA ecosystem. As lookups cannot be configured in an F2T, this component must be used in conjunction with the T2T component, that is, data is first loaded from the file to an interim staging structure using the F2T component followed by data load to the target result area table using the T2T component. This is the least recommended approach as there is a need for interim table structure in the data model and involves multiple data hops that add to the overhead.

See the OFS AAI User Guide for more details on configuring an F2T.

#### 4.1.9 FSDF Entity Information

The FSDF entity information is given in the Dimension Tables and Data Elements documents available in the [MOS](#) page.

OFS Regulatory Reporting for European Banking Authority - Dimension Tables <release version>

OFS Regulatory Reporting for European Banking Authority - Data Elements <release version>

### 4.1.10 Fact Tables/Entities

For all tables with data flow type tagged as a Processing, it is recommended that you map data directly to the result area if processing application is not part of the OFSAA product suite. For example, Basel computations, RWA Numbers, and Capital Ratio are taken from the processing area which is populated by OFSAA or other Basel applications.

For processed tables, you can look for the following options:

- OFSAA Data Integration Hub (DIH) product
- Flat File
- Table-to-Table Transformation with the source being processing application

The list of processing output tables are available in the OFS Regulatory Reporting for European Banking Authority - Data Elements <release version> document in the [MOS](#) page.

## 4.2 Basel Processing to EBA Results Integration

This chapter provides information about Basel Processing to EBA Results Integration in the Oracle Financial Services Data Foundation application and step-by-step instructions to use this section.

This chapter includes the following topics:

- Overview of Basel Processing to EBA Results Integration Tables
- Overview of Basel Processing to EBA Results Integration
- Executing the BASEL Processing to EBA Results Integration T2Ts
- Checking the Execution Status
- BASEL Processing to EBA Results Integration Results T2Ts

### 4.2.1 Overview of Basel Processing to EBA Results Integration Tables

As part of Basel processing to EBA results integration, EBA tables are loaded from Basel Processing tables using Table to Table (T2T) component of Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) framework. Following are the Results Tables that stores integrated results:

- FCT\_FORECAST\_REG\_CAP\_SUMMARY
- FCT\_MITIGANT\_REG\_CAPITAL
- FCT\_MR\_CAPITAL\_SUMMARY
- FCT\_MR\_VAR\_PORTFOLIO\_SUMMARY
- FCT\_MR\_VAR\_SUMMARY
- FCT\_REG\_ACCT\_MITIGANT\_MAPPING
- FCT\_REG\_CAP\_PLCD\_COLL\_SUMMARY
- FCT\_REG\_CAP\_POOL\_SUMMARY
- FCT\_REG\_CP\_CAPITAL\_SUMMARY
- FCT\_REG\_LE\_CAPITAL\_SUMMARY
- FCT\_REG\_OR\_CAPITAL\_SUMMARY

- FCT\_REG\_POOL\_MITIGANT\_MAP
- FCT\_REG\_CAP\_ACCOUNT\_SUMMARY

As part of Basel processing results to EBA integration, EBA is packaging the aforementioned T2Ts. These are optional T2Ts that are deployed only when OFS\_CAP\_ADQ\_PACK is installed.

## 4.2.2 Overview of Basel Processing to EBA Results Integration

Table-to-Table seeded definitions are provided for loading data into the target tables:

**Table 6: Table to Table Seeded Definitions**

Sl. No.	Source Table Name	Target Table Name	T2T Definition Name
1	FSI_FORECAST_RWA, FSI_FORECAST_RWA_ALL, OC_REP	FCT_FORECAST_REG_CAP_SUMMARY	T2T_FCT_FORECAST_REG_CAP_SUMMARY
2	FCT_MITIGANTS, FCT_SUB_EXPOSURES	FCT_MITIGANT_REG_CAPITAL	T2T_FCT_MITIGANT_REG_CAPITAL
3	FCT_MARKET_RISK_COM_CAPITAL, FCT_MARKET_RISK_EXPOSURES	FCT_MR_CAPITAL_SUMMARY	T2T_FCT_MR_CAPITAL_SUMMARY_FMRCC
4	FCT_MARKET_RISK_EQ_CAPITAL, FCT_MARKET_RISK_EXPOSURES	FCT_MR_CAPITAL_SUMMARY	T2T_FCT_MR_CAPITAL_SUMMARY_FMREQC
5	FCT_MARKET_RISK_FOREX_CAPITAL, FCT_MARKET_RISK_EXPOSURES	FCT_MR_CAPITAL_SUMMARY	T2T_FCT_MR_CAPITAL_SUMMARY_FMRFRXC
6	FCT_MARKET_RISK_IR_CAPITAL, FCT_MARKET_RISK_EXPOSURES	FCT_MR_CAPITAL_SUMMARY	T2T_FCT_MR_CAPITAL_SUMMARY_FMRIRC
7	FCT_MR_VAR_SUMMARY_DATA	FCT_MR_VAR_PORTFOLIO_SUMMARY	T2T_FCT_MR_VAR_PORTFOLIO_SUMMARY
8	FCT_MR_VAR_SUMMARY_DATA, FCT_MR_VAR_TOTAL_DATA	FCT_MR_VAR_SUMMARY	T2T_FCT_MR_VAR_SUMMARY
9	EXP_MITIGANT_MAPPING	FCT_REG_ACCT_MITIGANT_MAPPING	T2T_FCT_REG_ACCT_MITIGANT_MAPPING
10	FSI_PLACED_COLLATERAL	FCT_REG_CAP_PLCD_COLL_SUMMARY	T2T_FCT_REG_CAP_PLCD_COLL_SUMMARY
11	FCT_NETTABLE_POOL	FCT_REG_CAP_POOL_SUMMARY	T2T_FCT_REG_CAP_POOL_SUMMARY
12	FCT_REG_COUNTERPARTY_CVA, FCT_NETTABLE_POOL	FCT_REG_CP_CAPITAL_SUMMARY	T2T_FCT_REG_CP_CAPITAL_SUMMARY
13	FCT_STANDARD_ACCT_HEAD	FCT_REG_LE_CAPITAL_SUMMARY	T2T_FCT_REG_LE_CAPITAL_SUMMARY
14	FCT_OPS_RISK_DATA	FCT_REG_OR_CAPITAL_SUMMARY	T2T_FCT_REG_OR_CAPITAL_SUMMARY



Sl. No.	Source Table Name	Target Table Name	T2T Definition Name
15	EXP_MITIGANT_MAPPING	FCT_REG_POOL_MITIGANT_MAP	T2T_FCT_REG_POOL_MITIGANT_MAP
16	FCT_NON_SEC_EXPOSURES, FCT_SUB_EXPOSURES	FCT_REG_CAP_ACCOUNT_SUMMARY	T2T_FRCAS_FCT_NON_SEC_EXPOSURES
17	FCT_SEC_EXPOSURES, FCT_SUB_EXPOSURES	FCT_REG_CAP_ACCOUNT_SUMMARY	T2T_FRCAS_FCT_SEC_EXPOSURES
18	FCT_NON_SEC_EXPOSURES,	FCT_REG_CAP_ACCOUNT_SUMMARY	T2T_FRCAS_FCT_NON_SEC_EXPOSURES_CHILD
19	FCT_NON_SEC_EXPOSURES	FCT_REG_CAP_ACCOUNT_SUMMARY	T2T_FRCAS_FCT_NON_SEC_EXPOSURES_PARENT
20	FCT_SEC_EXPOSURES	FCT_REG_CAP_ACCOUNT_SUMMARY	T2T_FRCAS_FCT_SEC_EXPOSURES_CHILD
21	FCT_SEC_EXPOSURES	FCT_REG_CAP_ACCOUNT_SUMMARY	T2T_FRCAS_FCT_SEC_EXPOSURES_PARENT
22	FCT_MARKET_RISK_EXPOSURES	FCT_REG_MARKET_RISK_EXPOSURES	T2T_FCT_REG_MARKET_RISK_EXPOSURES

### 4.2.3 Executing the BASEL Processing to EBA Results Integration T2Ts

For Basel - EBA integration, you must have EBA and Basel installed on the same INFODOM. Also, you must ensure that EBA and Basel are running the same version.

There are two ways to integrate Basel and EBA:

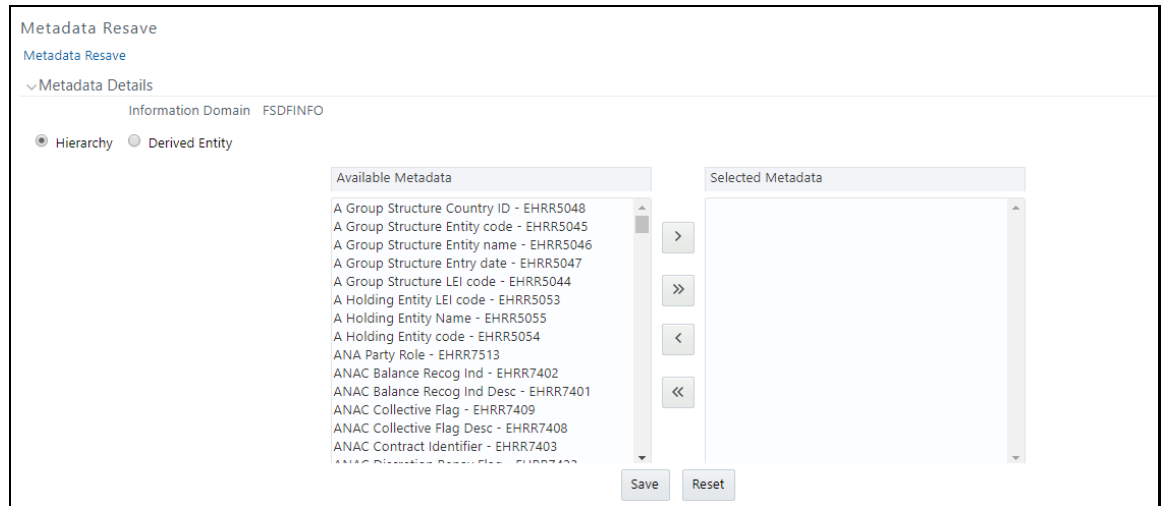
1. **Creating Integrated Run at Implementation Site:** During implementation, you can merge the tasks of both BASEL and EBA and create an integrated Run to execute each time. The processes inside Run should be ordered as Basel first, then EBA, and finally the Basel - EBA Integration process. In this Run, the Basel processing area and the EBA results area tables must have the same Run SKEY across all tables.

For BASEL - EBA Integration Run, please use the EBA Run Management screen as the Request Report Flag, Override Report Flag, and Approve Report Flag options are not available in the Basel Run Management Screen to enable the Reporting Flag.

2. **Using approved Basel Run Execution ID in EBA Run:** In this case, you can use the out-of-the-box Basel Run as-is for execution. After the execution, if the values are correct, you can execute the out-of-the-box EBA Run by selecting the required Basel Run SKEY from the Run Management screen. In this case, the Basel processing area has one RUN SKEY and for the same data, EBA has a different RUN SKEY in EBA results area tables, where the data is getting reported. Sample report generation is as follows:
  - a. Log in to Oracle Financial Services Analytical Applications interface with your credentials.
  - b. Navigate to *Applications* → *Financial Services Data Foundation* → *Run Management* → *Run Management*.
  - c. Select **Run** and click **Run Execution Summary** icon.
  - d. The *Run Details* and *Run Execution Parameters* window is displayed.
  - e. Enter the **Run Name** and **Run Execution Description**. The **Basel Run Execution Identifier** and **FIC MIS Date** is auto-populated from the Basel Run report used.

f. Click **Execute**.

Resave Hierarchy **HFSDFO04** (EBA - Basel Run Execution Identifier for Run) after Basel execution for getting values in this Basel Run Execution Identifier.



3. Select only one Basel Run from the **Available Hierarchies** for the execution and click **OK**. The *Run Management Summary* window is displayed.

## 4.2.4 Checking the Execution Status

The status of execution can be monitored using the Batch Monitor screen.

For more comprehensive coverage of configuration and execution of a batch, see [OFS Analytical Applications Infrastructure User Guide](#).

The status messages in Batch Monitor are:

- N - Not Started
- O - On Going
- F - Failure
- S - Success

The execution log can be accessed on the application server in the following directory `ftpshare/logs/<Run_Date>/FSDFINFO/LOAD DATA`. The file name has the batch execution ID. Following are the error log tables in the atomic schema:

- FCT\_FORECAST\_REG\_CAP\_SUMMARY\$
- FCT\_MITIGANT\_REG\_CAPITAL\$
- FCT\_MR\_CAPITAL\_SUMMARY\$
- FCT\_MR\_VAR\_PORTFOLIO\_SUMMARY\$
- FCT\_MR\_VAR\_SUMMARY\$
- FCT\_REG\_ACCT\_MITIGANT\_MAPPING\$
- FCT\_REG\_CAP\_PLCD\_COLL\_SUMMARY\$
- FCT\_REG\_CAP\_POOL\_SUMMARY\$

- FCT\_REG\_CP\_CAPITAL\_SUMMARY\$
- FCT\_REG\_LE\_CAPITAL\_SUMMARY\$
- FCT\_REG\_OR\_CAPITAL\_SUMMARY\$
- FCT\_REG\_POOL\_MITIGANT\_MAP\$
- FCT\_REG\_CAP\_ACCOUNT\_SUMMARY\$

## 4.2.5 BASEL Processing to EBA Results Integration Results T2Ts

T2T definitions can be retrieved as an excel document for reference from the metadata browser of the Unified Metadata Manager (UMM) component of OFSAAI.

## 4.3 LLFP Processing to EBA Results Integration

This chapter provides information about EBA Processing to EBA Results Integration in the Oracle Financial Services Data Foundation application and step-by-step instructions to use this section.

This chapter includes the following topics:

- Overview of LLFP Processing to EBA Results Integration Tables
- Overview of LLFP Processing to EBA Results Integration
- Executing the LLFP Processing to EBA Results Integration T2Ts
- Checking the Execution Status
- LLFP Processing to EBA Results Integration Results T2Ts

### 4.3.1 Overview of LLFP Processing to EBA Results Integration Tables

As part of LLFP processing to FSDF results integration, EBA tables are loaded from LLFP Processing tables using Table to Table (T2T) component of Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) framework. Following are the Results Tables that stores integrated results:

- FCT\_LLFP\_ACCOUNT\_SUMMARY

As part of LLFP processing results to FSDF integration, FSDF is packaging the aforementioned T2Ts. These are optional T2Ts that are deployed only when OFS\_IFRS\_PACK is installed.

### 4.3.2 Overview of LLFP Processing to EBA Results Integration

Table-to-Table seeded definitions are provided for loading data into the target tables.

**Table 7: Table to Table Seeded Definitions**

Sl. No.	Source Table Name	Target Table Name	T2T Definition Name
1	FCT_ACCOUNT_DETAILS	FCT_LLFP_ACCOUNT_SUMMARY	T2T_FCT_LLFP_ACCOUNT_SUMMARY

### 4.3.3 Executing the LLFP Processing to EBA Results Integration T2Ts

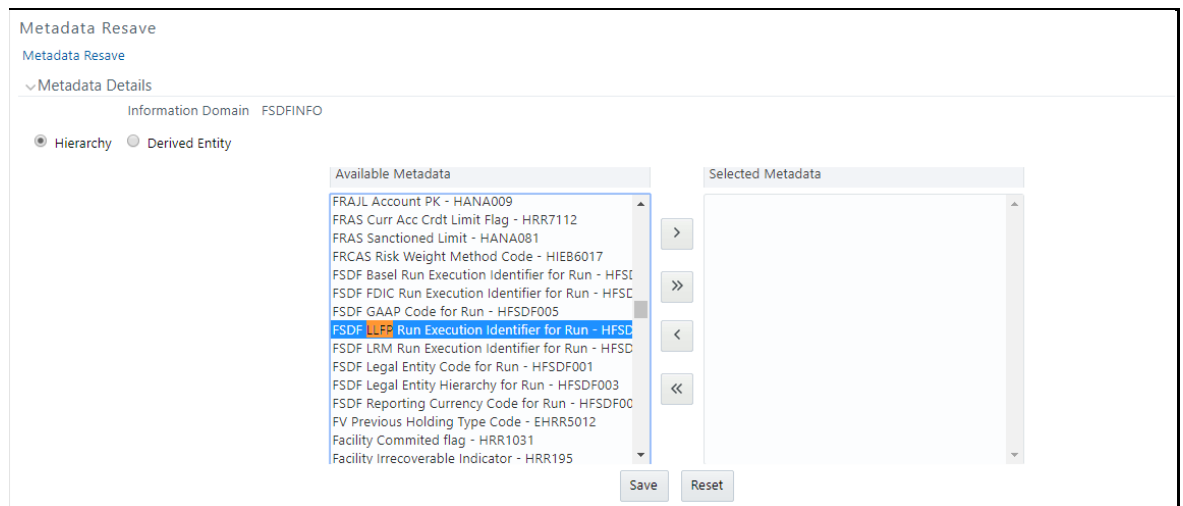
For LLFP - EBA integration, you must have EBA and LLFP installed on the same INFODOM. There are two ways to integrate LLFP and EBA:

1. **Creating Integrated Run at Implementation Site:** During implementation, you can merge the tasks of both LLFP and EBA and create an integrated Run to execute each time. The processes inside Run should be ordered as LLFP first, then EBA, and finally the LLFP - EBA Integration process. In this Run, the LLFP processing area and the FSDF results area tables must have the same Run SKEY across all tables.

For LLFP - EBA Integration Run, please use the FSDF Run Management screen as the Request Report Flag, Override Report Flag, and Approve Report Flag options are not available in the LLFP Run Management Screen to enable the Reporting Flag.

2. **Using approved LLFP Run Execution ID in EBA Run:** In this case, you can use the out-of-the-box LLFP Run as-is for execution. After the execution, if the values are correct, you can execute the out-of-the-box EBA Run by selecting the required LLFP Run SKEY from the Run Management screen. In this case, the LLFP processing area has one RUN SKEY and for the same data, EBA has a different RUN SKEY in EBA results area tables, where the data is getting reported. Sample report generation is as follows:
  - a. Log in to Oracle Financial Services Analytical Applications interface with your credentials.
  - b. Navigate to *Applications* → *Financial Services Data Foundation* → *Run Management* → *Run Management*.
  - c. Select **Run** and click **Run Execution Summary** icon.
  - d. The *Run Details* and *Run Execution Parameters* window is displayed.
  - e. Enter the **Run Name** and **Run Execution Description**. The **LLFP Run Execution Identifier** and **FIC MIS Date** is auto-populated from the LLFP Run report used.
  - f. Click **Execute**.

Resave Hierarchy **HFSDFF007** (EBA - LLFP Run Execution Identifier for Run) after LLFP execution for getting values in this LLFP Run Execution Identifier.



3. Select only one LLFP Run from the **Available Hierarchies** for the execution and click **OK**. The *Run Management Summary* window is displayed.

### 4.3.4 Checking the Execution Status

The status of execution can be monitored using the Batch Monitor screen.

For more comprehensive coverage of configuration and execution of a batch, see *OFS Analytical Applications Infrastructure User Guide*.

The status messages in Batch Monitor are:

- N - Not Started
- O - On Going
- F - Failure
- S - Success

The execution log can be accessed on the application server in the following directory `ftpshare/logs/<Run_Date>/FSDFINFO/LOAD DATA`. The file name has the batch execution ID. Following is the error log table in the atomic schema:

- FCT\_LLFP\_ACCOUNT\_SUMMARY\$

### 4.3.5 LLFP Processing to EBA Results Integration Results T2Ts

T2T definitions can be retrieved as an excel document for reference from the metadata browser of the Unified Metadata Manager (UMM) component of OFSAAI.

## 4.4 LRM Processing to EBA Results Integration

This chapter provides information about LRM Processing to EBA Results Integration in the Oracle Financial Services Data Foundation application and step-by-step instructions to use this section.

This chapter includes the following topics:

- Overview of LRM Processing to EBA Results Integration Tables
- Overview of LRM Processing to EBA Results Integration
- Executing the LRM Processing to EBA Results Integration T2Ts
- Checking the Execution Status
- LRM Processing to EBA Results Integration Results T2Ts

### 4.4.1 Overview of LRM Processing to EBA Results Integration Tables

As part of LRM processing to EBA results integration, EBA tables are loaded from LRM Processing tables using Table to Table (T2T) component of Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) framework. Following are the Results Tables that stores integrated results:

- FCT\_LRM\_ACCOUNT\_SUMMARY

As part of LRM processing results to EBA integration, EBA is packaging the aforementioned T2Ts. These are optional T2Ts that are deployed only when OFS\_TR\_PACK is installed.

### 4.4.2 Overview of LRM Processing to EBA Results Integration

Table-to-Table seeded definitions are provided for loading data into the target tables.

**Table 8: Table to Table Seeded Definitions**

Sl. No.	Source Table Name	Target Table Name	T2T Definition Name
1	FSI_LRM_INSTRUMENT	FCT_LRM_ACCOUNT_SUMMARY	T2T_FCT_LRM_ACCOUNT_SUMMARY

### 4.4.3 Executing the LRM Processing to EBA Results Integration T2Ts

For LRM - EBA integration, you must have EBA and LRM installed on the same INFODOM. There are two ways to integrate LRM and EBA:

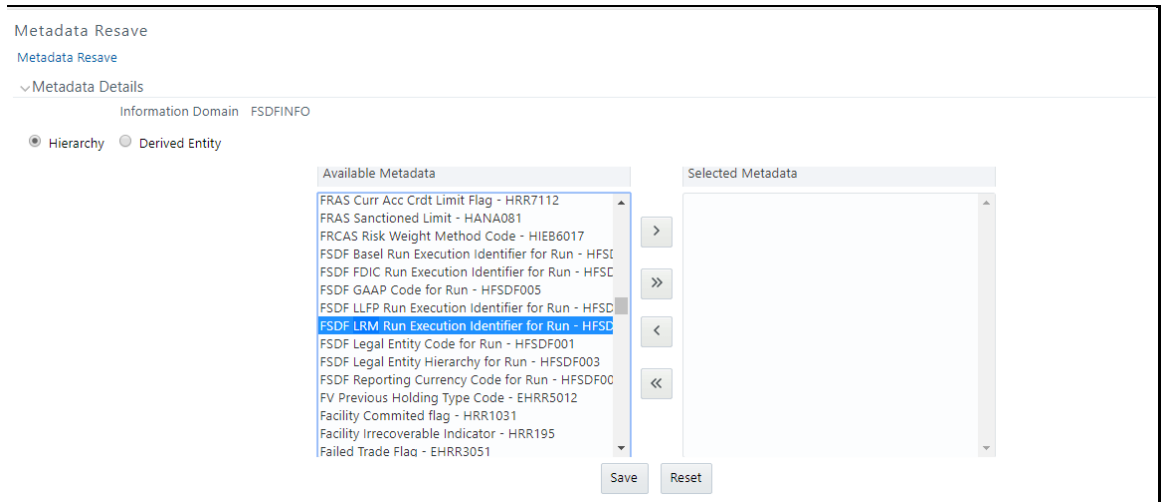
1. **Creating Integrated Run at Implementation Site:** During implementation, you can merge the tasks of both LRM and EBA and create an integrated Run to execute each time. The processes inside Run should be ordered as LRM first, then EBA, and finally the LRM - EBA Integration process. In this Run, the LRM processing area and the FSDF results area tables must have the same Run SKEY across all tables.

For LRM - EBA Integration Run, please use the EBA Run Management screen as the Request Report Flag, Override Report Flag, and Approve Report Flag options are not available in the LRM Run Management Screen to enable the Reporting Flag.

2. **Using approved LRM Run Execution ID in EBA Run:** In this case, you can use the out-of-the-box LRM Run as-is for execution. After the execution, if the values are correct, you can execute the out-of-the-box EBA Run by selecting the required LRM Run SKEY from the Run Management screen. In this case, the LRM processing area has one RUN SKEY and for the same data, EBA has a different RUN SKEY in FSDF results area tables, where the data is getting reported. Sample report generation is as follows:

- a. Log in to Oracle Financial Services Analytical Applications interface with your credentials.
- b. Navigate to *Applications* → *Financial Services Data Foundation* → *Run Management* → *Run Management*.
- c. Select **Run** and click **Run Execution Summary** icon.
- d. The *Run Details* and *Run Execution Parameters* window is displayed.
- e. Enter the **Run Name** and **Run Execution Description**. The **LRM Run Execution Identifier** and **FIC MIS Date** is auto-populated from the LRM Run report used.
- f. Click **Execute**.

Resave Hierarchy **HFSD006** (EBA - LRM Run Execution Identifier for Run) after LRM execution for getting values in this LRM Run Execution Identifier.



3. Select only one LRM Run from the **Available Hierarchies** for the execution and click **OK**. The *Run Management Summary* window is displayed.

#### 4.4.4 Checking the Execution Status

The status of execution can be monitored using the Batch Monitor screen.

For more comprehensive coverage of configuration and execution of a batch, see *OFS Analytical Applications Infrastructure User Guide*.

The status messages in Batch Monitor are:

- N - Not Started
- O - On Going
- F - Failure
- S - Success

The execution log can be accessed on the application server in the following directory `ftpshare/logs/<Run_Date>/FSDFINFO/LOAD DATA`. The file name has the batch execution ID. Following is the error log table in the atomic schema:

- FCT\_LRM\_ACCOUNT\_SUMMARY\$

#### 4.4.5 LRM Processing to EBA Results Integration Results T2Ts

T2T definitions can be retrieved as an excel document for reference from the metadata browser of the Unified Metadata Manager (UMM) component of OFSAI.

## 4.5 Overview of OFS REG REP User Interface

This section provides details to log in to the OFSAA application, view report summary, view schedule summary, view cells, and map data schedules. It includes:

- Logging in to OFS REG REP UI
- Viewing Report Summary
- Viewing Schedule Summary
- Viewing Cell Summary

### 4.5.1 Logging in to OFS REG REP UI

After the applications are installed and configured, to access the OFS REG REP UI you must log in to the OFSAAI environment using the OFSAAI login page.

#### NOTE

The built-in security system ensures that you are permitted to access the window and actions based on the authorization only.

To access the OFS REG REP UI, follow these steps:

1. Enter the **OFSAAI URL** in your browser. The OFSAAI login page is displayed.

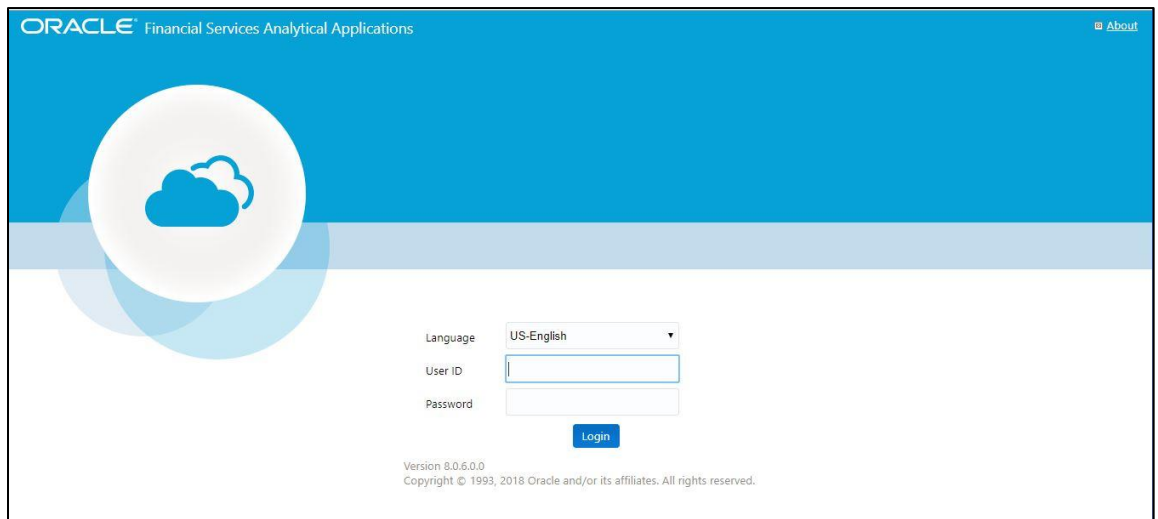


Figure 27: OFSAAI Log In

2. Select the desired language from the **Language** drop-down list.
3. Enter your **User ID** and **Password**. When you log into OFSAAI, the initial page is displayed. Select **Financial Services Data Foundation**.



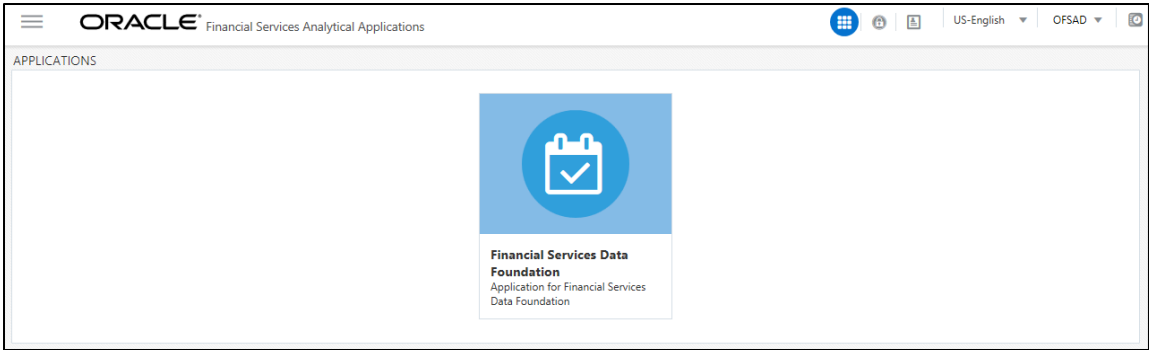


Figure 28: Initial Page

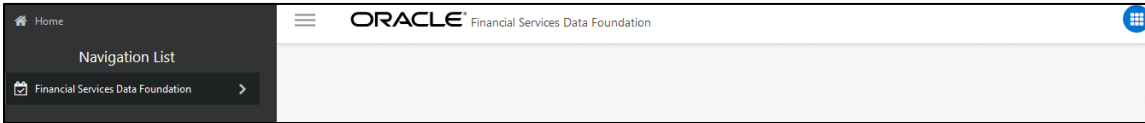


Figure 29: Landing Page

- 4. Navigate to **Financial Services Data Foundation** → **Regulatory Reporting European Banking Authority**.

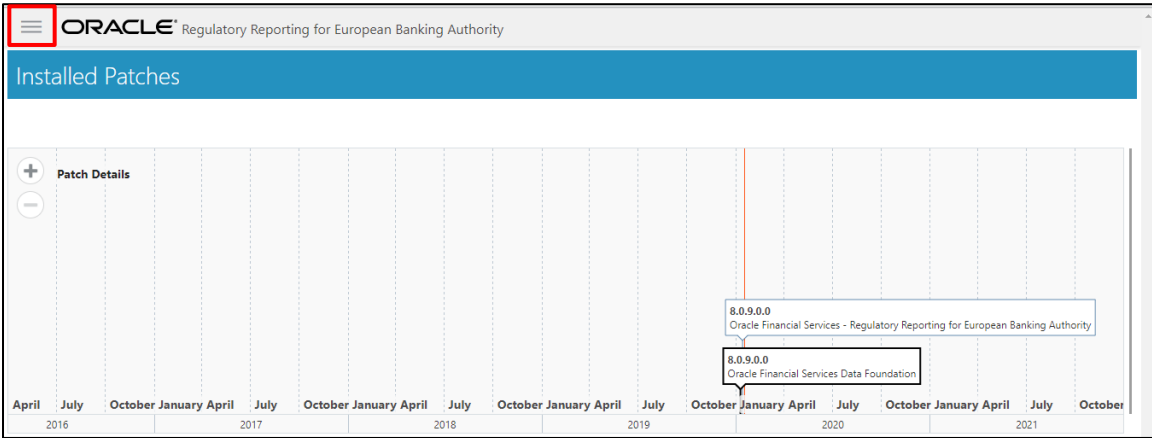



Figure 30: OFS REG REP UI Home Page

The OFS REG REP UI home page displays the installed packs for OFS REG REP EBA and OFSDF application on the setup.

- 5. Select the  icon in the OFS REG REP UI to access the following windows:
  - a. Home
  - b. Report Summary

### 4.5.2 Viewing Report Summary

The Report Summary data comes pre-seeded based on the applications that are installed. The Report Summary enables to view all the configured reports for the jurisdiction.

Select the  icon in the OFS REG REP UI to navigate to the **Report Summary** window.

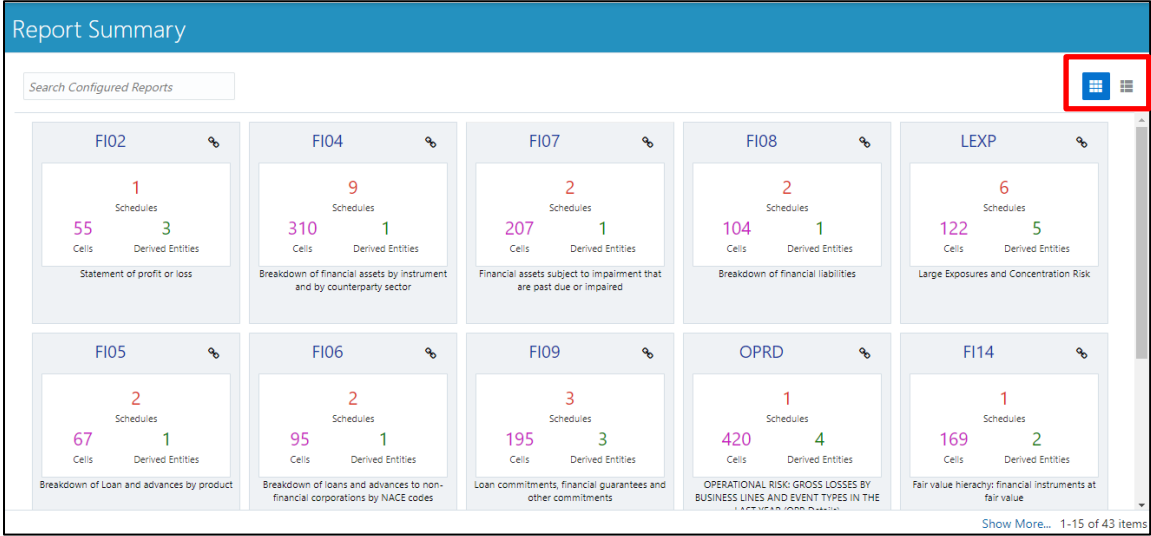




Figure 31: Report Summary Window

**NOTE** You can view the summary of all the configured reports in the **Tile view**  or **List view** .

The **Search Bar** helps you to find the required information from the database. You can enter the nearest matching keywords to search and filter the results by entering information on the search box. You can search for a Report using either the name or description.



Figure 32: Search Bar

The **Paging** option at the bottom right corner allows you to see more reports than the ones currently displayed on the window.

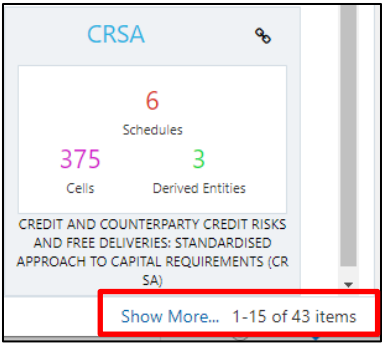


Figure 33: Paging Option

4.5.2.1 Report Information

Each tile/list on the **Report Summary** window corresponds to one report. For each report, you can view the report code, report description, number of schedules within the report, the number of configured non-derived cells, and count of utilized derived entities.

For example, the **FR Y-9C** U. S. Federal Reserve report in the tile/list view is displayed as follows:

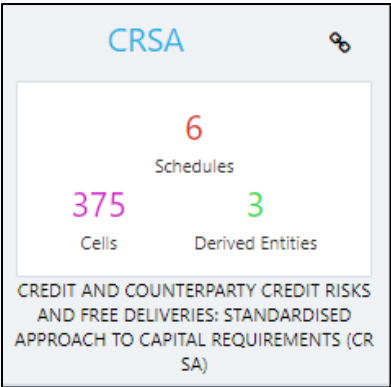


Figure 34: Report in Tile View



Figure 35: Report in List View

Select the **Report Code** to navigate to the **Schedule Summary** window.

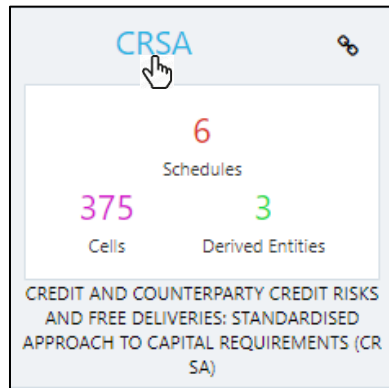


Figure 36: Report Information

### 4.5.3 Viewing Schedule Summary

The **Schedule Summary** window provides the component schedules for the corresponding report. Select the **Report Code** in the **Report Summary** window to navigate to the **Schedule Summary** window (as shown in Figure 36).

For example, the **Schedule Summary** window for the **FR Y-9C** report is displayed as follows.

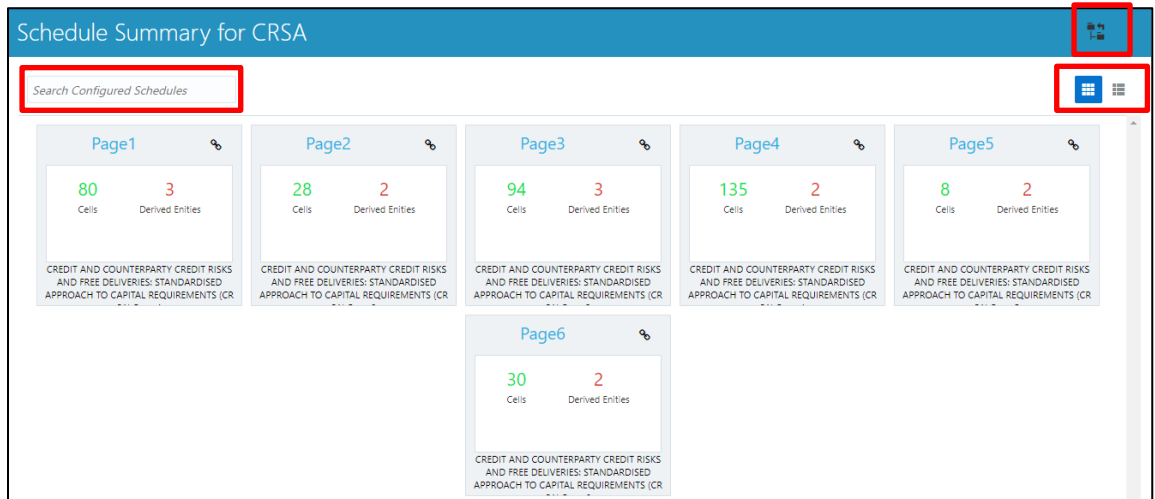


Figure 37: Schedule Summary Window


**NOTE** You can view the summary of all the configured reports in the

**Tile view**  or **List view** .

The **Search Bar** helps you to find the required information from the database. You can enter the nearest matching keywords to search and filter the results by entering information on the search box. You can search for a Schedule using either the name or description.

The **Paging** option (Figure 33) at the bottom right corner allows you to see more reports than the ones currently displayed on the window.

**NOTE**

Select the  icon on the top right corner to return to the **Report Summary** window.

### 4.5.3.1 Schedule Information

Each tile/list on the **Schedule Summary** window corresponds to one schedule under the report. For each schedule, you can view the schedule code and the description, the number of configured non-derived cells for the schedule, and count of utilized derived entities.

For example, the Schedule **'HC'** tile is displayed as follows. Select the **Schedule Code** to navigate to the **Cell Information** window.

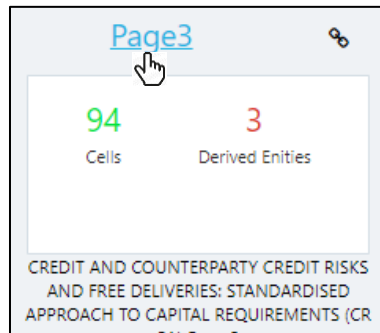
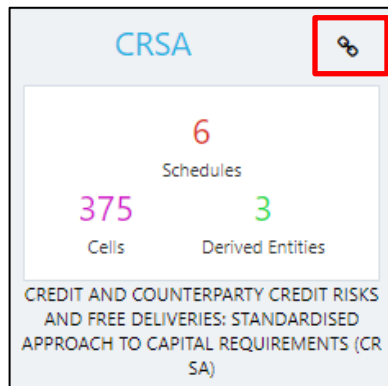


Figure 38: Schedule Information

### 4.5.4 Viewing Data Elements

Each tile/list on the **Report Summary** window corresponds to one report. For each report, you can view the report code, report description, number of schedules within the report, the number of configured non-derived cells, and count of utilized derived entities.



1. Click the chain icon on the right top corner to display the data elements for the respective item. The data elements view option is available at the report schedule and cell level.

Entity	Attribute	Definition	Application	Element Type	List of Values	Table
Fact Mitigant Regulatory Ca...	Extraction Date Surrogate Key	This attribute stores the dat...	BASEL Regulatory Capital	Processing Output		FCT_MITIGA
Fact Mitigant Regulatory Ca...	Mitigant Surrogate Key	Stores a unique key to repre...	BASEL Regulatory Capital	Processing Output		FCT_MITIGA
Fact Mitigant Regulatory Ca...	Run Surrogate Key	Run Surrogate Key	BASEL Regulatory Capital	Processing Output		FCT_MITIGA
Fact Mitigant Regulatory Ca...	Standard Asset Class Surrog...	Surrogate Key pertaining to ...	BASEL Regulatory Capital	Processing Output		FCT_MITIGA
Fact Mitigant Regulatory Ca...	Standard Mitigant Type Surr...	This stores the standard miti...	BASEL Regulatory Capital	Processing Output		FCT_MITIGA
Fact Regulatory Account Mit...	Account Surrogate Key	Account identifier	BASEL Regulatory Capital	Processing Output		FCT_REG_AC
Fact Regulatory Account Mit...	Exposure At Default Amoun...	This stores the exposure am...	BASEL Regulatory Capital	Processing Output		FCT_REG_AC
Fact Regulatory Account Mit...	Extraction Date Surrogate Key	This attribute stores the dat...	BASEL Regulatory Capital	Processing Output		FCT_REG_AC
Fact Regulatory Account Mit...	Mitigant Amount	This stores the mitigant am...	BASEL Regulatory Capital	Processing Output		FCT_REG_AC

Figure 39: Data Elements

2. Select **Filter** to apply filters on the selected data. The filter pane allows filtering data on specific columns.

Figure 40: Filters

3. Select **Apply Filter** to apply the required filters on the selected data.
4. Select **Clear Filter** to clear the applied filters and display all records for the component.
5. Select **Export to CSV** to export the data displayed in the window.

### 4.5.5 Viewing Data Elements Summary

Select **Data Elements Summary** from the main navigation menu to view all the Data Elements.

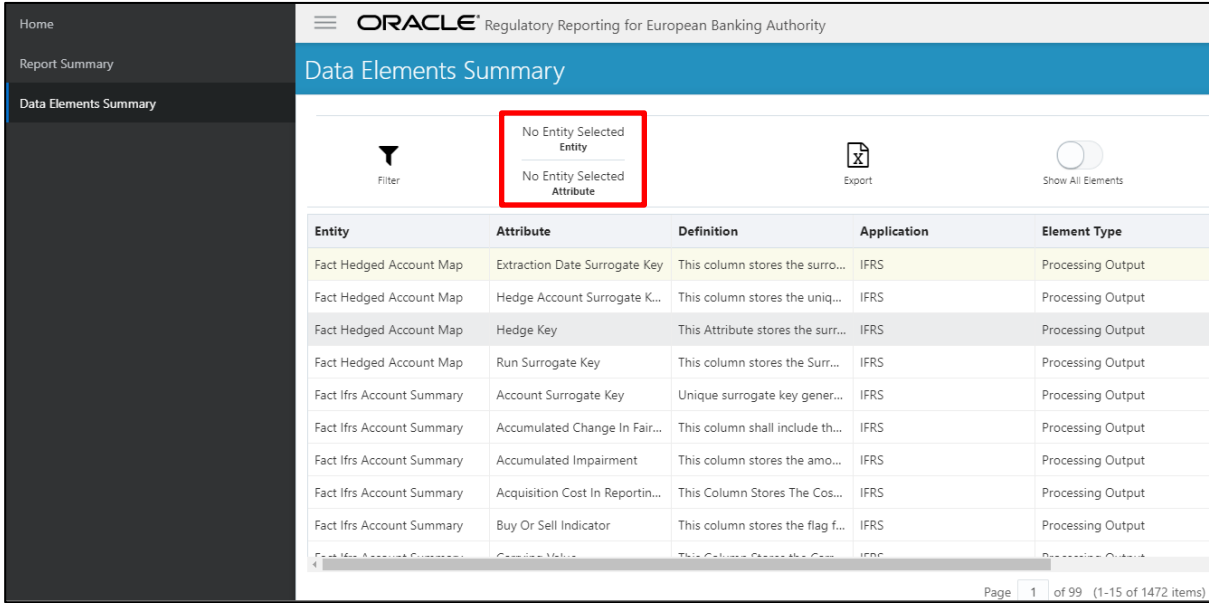


Figure 41: Data Elements Summary

By default, the page displays all the data elements.

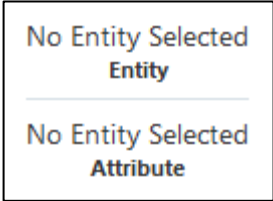


Figure 42: Selection Panel

Click a row and the selection panel displays the selected entity and attribute.

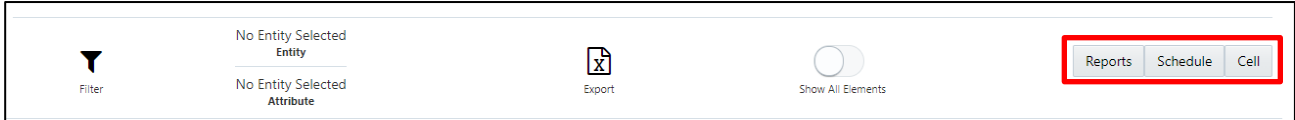


Figure 43: Selected Entity

The tabs on the right can be used to view reports, schedules, and cells as shown in Figure 44, which are utilized for the selected data element.

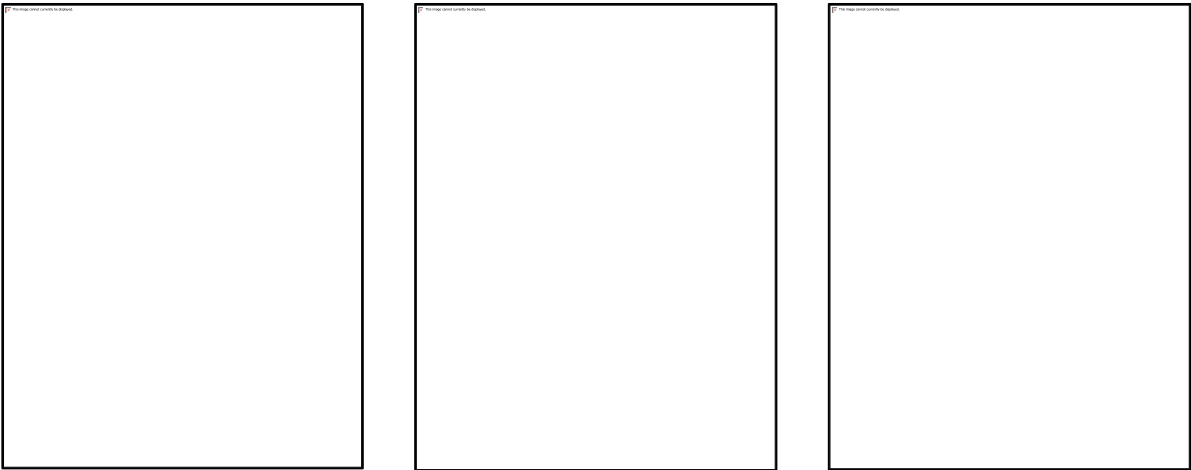


Figure 44: Report / Schedule View

**NOTE** For [Section 4.5.4](#) and [Section 4.5.5](#), Data Elements batch execution is required for the screen to function.

### 4.5.6 Viewing Cell Summary

The **Cell Summary** window provides the non-derived cells/MDRM(s) configured as a part of the solution for the corresponding schedule under a report. Select the **Schedule Code** in the **Schedule Summary** window to navigate to the **Cell Summary** window (as shown in Figure 38).

For example, the **Cell Summary** window for Schedule HC under the **FR Y-9C** report is displayed as follows.

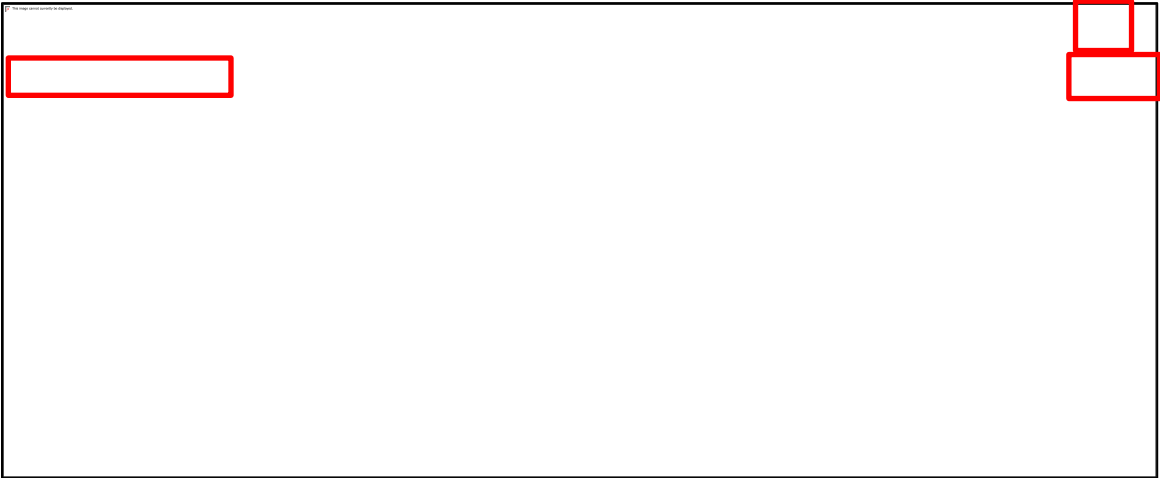


Figure 45: Cell Summary Window




**NOTE** You can view the summary of all the configured reports in the

**Tile view**  or **List view**  .

The **Search Bar** helps you to find the required information from the database. You can enter the nearest matching keywords to search and filter the results by entering information on the search box. You can search for a Cell using either the name or description.

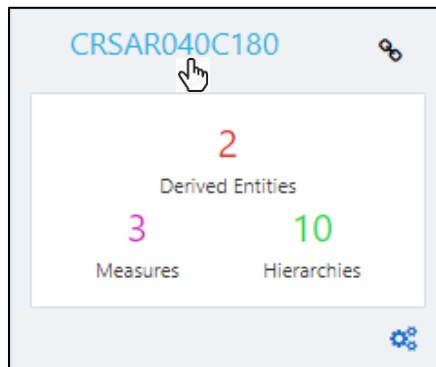
The **Paging** option (Figure 33) at the bottom right corner allows you to see more reports than the ones currently displayed on the window.

**NOTE** Select the  icon on the top right corner to return to the **Report Summary** window.

#### 4.5.6.1 Cell Information

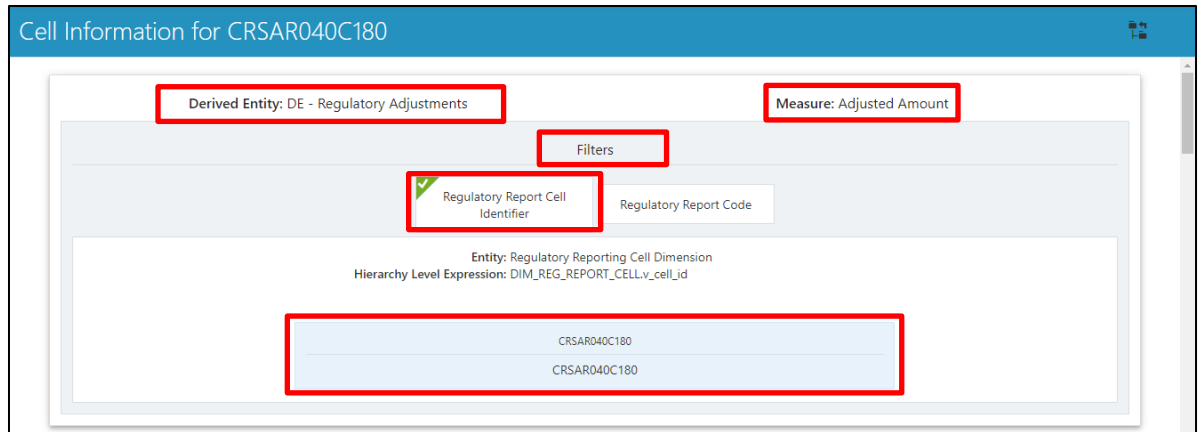
Each tile/list on the **Cell Summary** window corresponds to one cell/MDRM under the schedule. For each cell, you can view the MDRM name, count of utilized derived entities, count of utilized OFSAA hierarchies and measures for that cell.

For example, the cell '**BHCK0081**' tile is displayed as follows. Select the **Cell/MDRM Code** to navigate to the **Cell Information** window.



**Figure 46: Cell Information**

The **Cell Information** window is displayed as follows.



**Figure 47: Cell Information Window**

Each section in the **Cell Information** window displays the relevant OFSAA Metadata and filters used for the cell.

#### 4.5.6.2 **Derived Entity**


This displays the name of the OFSAA Materialized View/View that contributes to the Cell.

#### 4.5.6.3 **Measure**

This displays the name of the OFSAA Measure that is reported for the particular Cell.

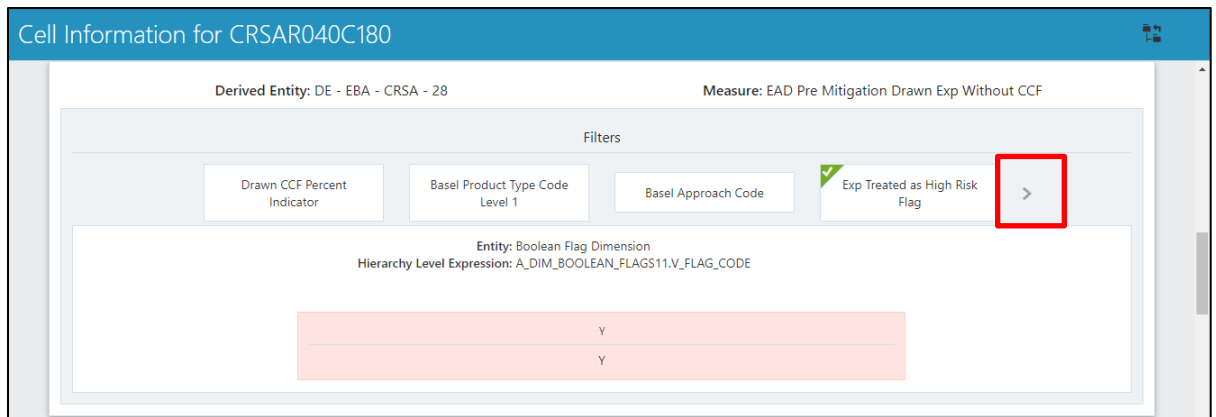
#### 4.5.6.4 **Filters**

The Filter conditions are as follows:

1. All filters that are applied to the cell are displayed under the filter section. It displays all the applied filters as their OFSAA description.
2. On selection, the filter is marked by a  sign on the top left corner of the selected filter.
3. The section that follows displays the entity/table on top of which the filter is based and the OFSAA Level Description for the selected filter.
4. All filter values that apply to the particular MDRM are available as a ribbon. Each filter value is in a separate box.

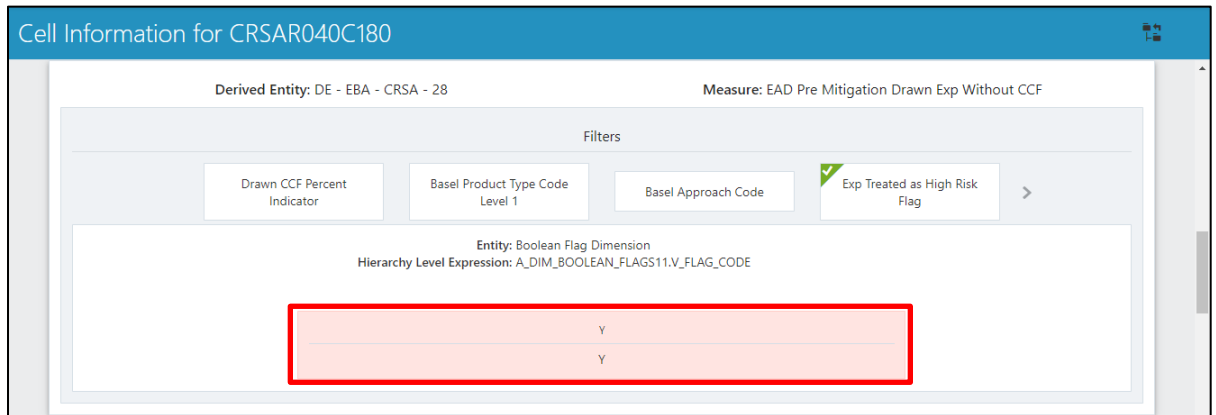
For example, in the previous case for **MDRM BHCK0081**, the applied filters are Consolidation Code and Reporting Line Code. Currently, the Consolidation Code filter is selected and the required filter values for the same are '100'.

In the case of multiple values, the filters are displayed as follows with an arrow mark.



**Figure 48: Multiple Filter Values**

The filters in case of not in condition are highlighted in red are displayed as follows.



**Figure 49: Not in Condition Filters**

## 4.6 Data Schedule Mapping

Data Schedule based reports utilize wrapper views to report data. For Adjustments & for addition on newer granularity not provided by OFSAA solutions for data schedule based reports, this feature allows mapping new derived entity columns to the corresponding wrapper view columns. The topics in this section are taken as an example and organized as follows:


- [Prerequisites](#)
- [Navigating to Mapping Window](#)
- [Mapping Window](#)
- [Adding Derived Entity](#)
- [Mapping Procedure](#)
- [Saving Mapping Configuration](#)

## 4.6.1 Prerequisites

The prerequisites for Data Schedule Mapping are as follows:

- All Derived Entities and the Wrapper Views should be resaved through resave batch pages and by the execution of scripts packaged as Post Scripts with installer respectively.
- Execute the batch <<##INFODOM\_DS\_POP\_UNION\_METADATA\_USFED>> available in the batch execution page post the step above.

## 4.6.2 Navigating to Mapping Window

Select the  icon in the Regulatory Reporting home page to navigate to the Report Summary window. Navigate to the data schedule based report for which mappings are to be done.

For example: to map schedules under the FR Y-14 report, select the FRY-14Q report.

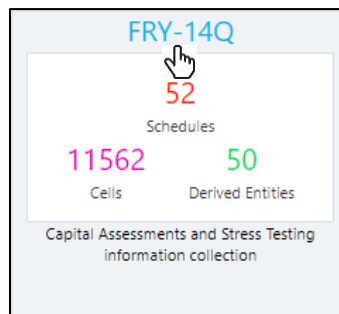


Figure 50: Report Information

Select the report code (Figure 50) to navigate to the schedules. All schedules under the report are available in this window.

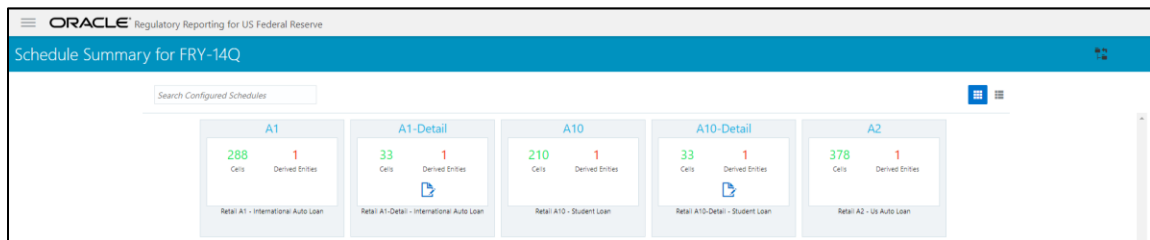



Figure 51: Schedules Information

Schedules for which mapping feature is available can be clearly distinguished by the  edit icon available in the schedule tile. Schedules for which the feature is not available do not have the edit icon present in the corresponding tile.

Select the  edit icon to navigate to the mapping window.

### 4.6.3 Mapping Window

The Mapping window displays the wrapper view utilized for the data schedule and the contributing OFSAA derived entities to the wrapper view. The window also displays the line items of the data schedule based report along with the internal derived entity columns mapped to it.

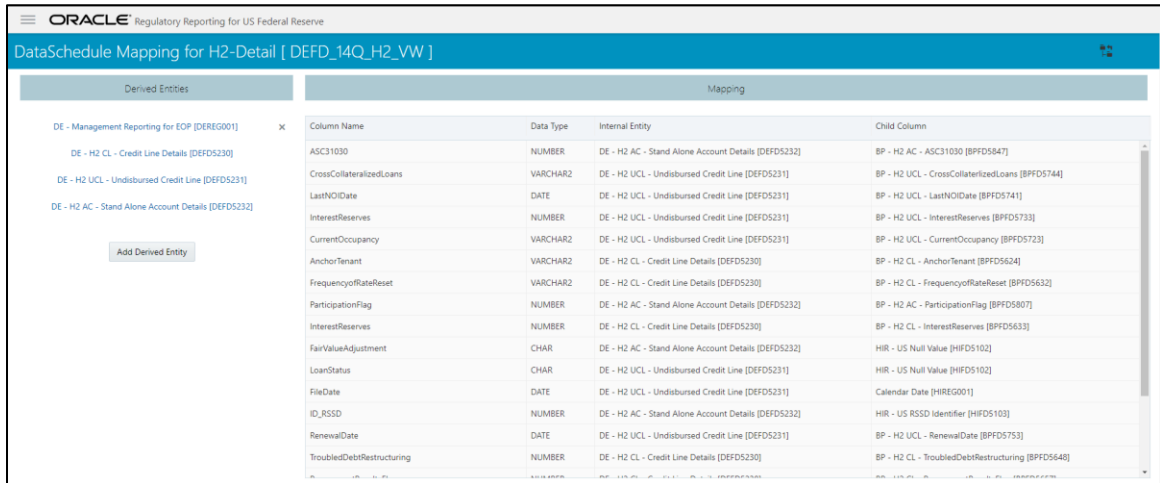


Figure 52: Mapping Window

#### 4.6.3.1 Mapping Window Components

The Mapping window components are as follows.

- **Schedule Name**  
The Schedule Name is displayed on the top left corner of the window.
- **Wrapper View**  
The Wrapper view utilized for the schedule is mentioned with square brackets in the top pane along with the schedule name.
- **Contributing Derived Entities**  
The left section of the report lists down the OFSAA derived Entities that contribute to the Wrapper View. The list contains derived entities that are by default provided by the OFSAA solution and the ones added by the user.

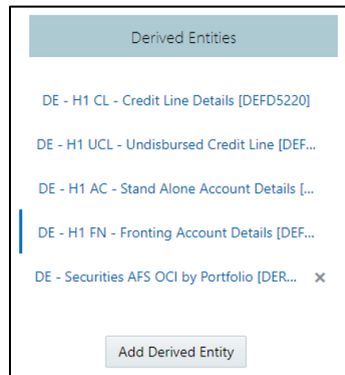


Figure 53: Derived Entities

- Mapping Table

The mapping table shows all contributing components to the line item of the data schedule. The columns of the table are described below.

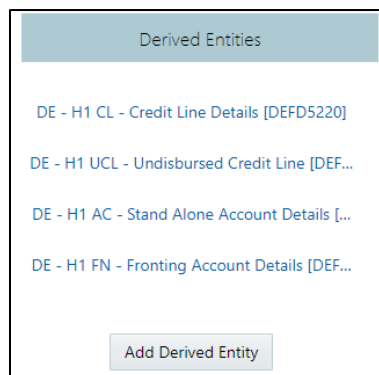
**Table 9: Mapping Table Components**

Table Column	Description
<b>Column Name</b>	This defines the line item of the data schedule for which mapping is to be done.
<b>Data Type</b>	This column defines the data type of the line item as per OFS REG REP EBA instructions.
<b>Internal Entity</b>	This column defines the contributing derived entity.
<b>Child Column</b>	This column defines the derived entity metadata which maps to the line item of the data schedule.

## 4.6.4 Adding Derived Entity

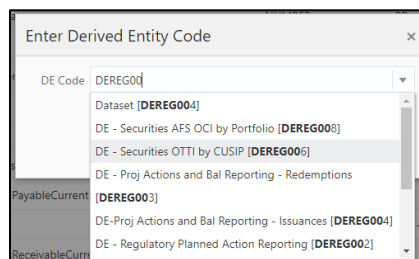
To add the new derived entity:

1. Select the **Add Derived Entity** button.



**Figure 54: Add Derived Entity**

2. This lists the available Derived Entities that are present in the current infodom. The Derived Entities can be searched by either code or name in the search box.



**Figure 55: Derived Entities List**

3. Select the desired Derived Entity that must be added for adjustments and click the **Add** button.



**Figure 56: Selected Derived Entity**

**NOTE** The same Derived Entity cannot be added twice for Data Schedule mapping.

4. On adding the new Derived Entity, the mapping window is displayed as follows.

Column Name	Column Data Type	Metadata
LineReportedOnFRY9C	VARCHAR2	
ObligorName	VARCHAR2	
IndustryCode	VARCHAR2	
TKR	VARCHAR2	
NonAccrualDate	DATE	
ParticipationFlag	NUMBER	
InterestRate	NUMBER	
InterestRateIndex	VARCHAR2	
ShortTermDebt	NUMBER	
FairValueAdjustmentDrawn	VARCHAR2	

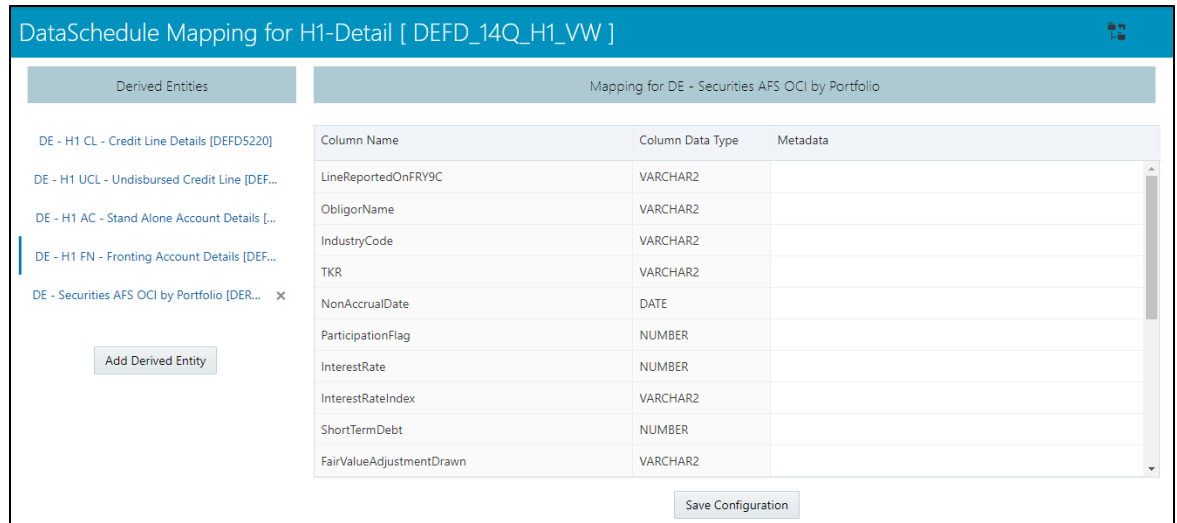
**Figure 57: Mapping Window with New Derived Entity**

5. Derived entity added through the above method can be distinguished from OFSAA based derived entities though a  mark present at the end of the derived entity tab. This mark enables the removal of the derived entity. Derived Entities that are from the OFSAA provided granularities do not have the  mark and thus mapping for such derived entities cannot be removed or modified from this window.

## 4.6.5 Mapping Procedure

The Mapping window for any added derived entity allows mapping columns of the derived entity to the line item of the data schedule.

For example, the mapping window for Derived Entity **DE - Securities AFS OCI by Portfolio [DEREG008]** is displayed as follows.

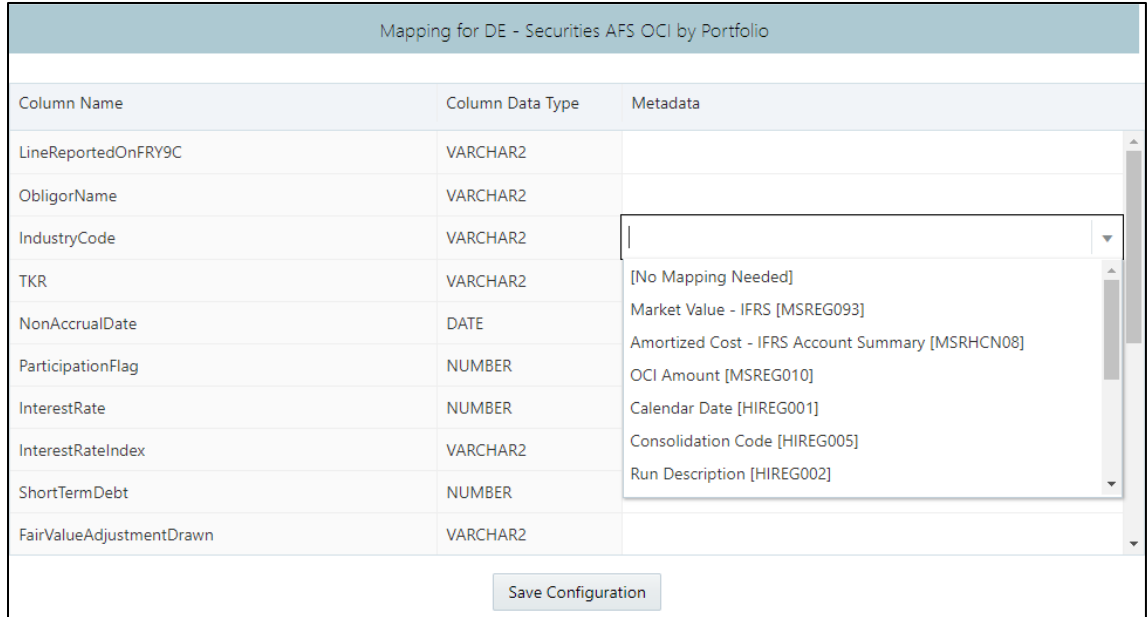


**Figure 58: Data Schedule Mapping Window**

The mapping of the line item to the derived entity column can be modified by double-clicking on the respective row in the ‘**Metadata**’ column of the mapping grid.

When the row is clicked, all the columns of the Derived Entity are listed and can be selected to map that to the corresponding line item listed under the ‘**Column Name**’ column of the grid. If no mapping is required, then select the ‘**No Mapping Needed**’ option.

Example for Derived Entity **DE - Securities AFS OCI by Portfolio [DEREG008]** is displayed as follows.



**Figure 59: Metadata Mapping**

**NOTE**

Ensure that the data type of the selected metadata matches the column data type.



## 4.6.6 Saving Mapping Configuration

After the mapping is complete, select the save configuration button at the bottom of the window to save the configuration. The following message is displayed after the configuration is saved.

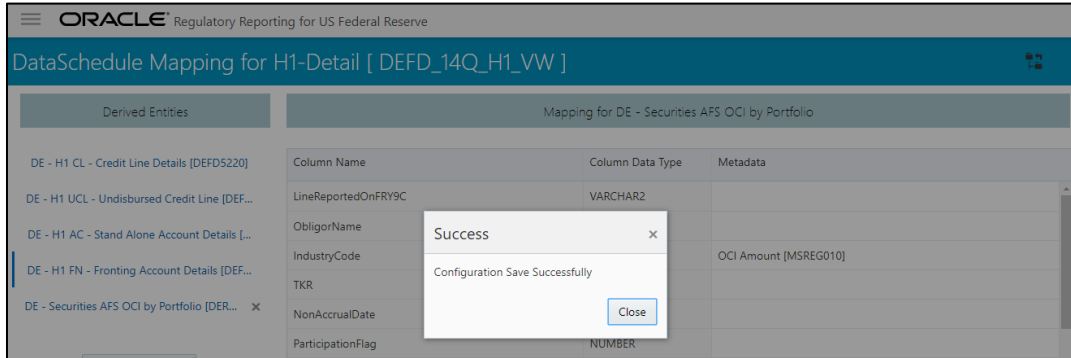


Figure 60: Saving Mapping Configuration

## 4.7 Adjustment Feature for Template-based Reports

The adjustments feature is a new enhancement to adjust the differing values of the report systems. The Adjustments Derived Entity derives its values from the Adjustments Fact table (FCT\_REG\_REPORT\_ADJUSTMENTS) that specifies the adjustment value and the seeded table (DIM\_REG\_REPORT\_CELL) that specifies the Cell ID / MDRM Code and the Report Code to which the MDRM belongs to. This ensures that there can be direct adjustments made to MDRM(s) such that the values from both the derived entities are traceable and efficiently reported. The topics in this section are organized as follows:

- [Implementing the Adjustment Feature](#)
- [Populating Base Tables](#)
- [Refreshing Adjustment Derived Entity](#)
- [Lombard Verification](#)

### 4.7.1 Implementing the Adjustment Feature

To implement the Adjustment feature, identify the Cell ID for the report and the line item where adjustment must be implemented.

For example:

Report: **FRY-9C**

Schedule: **HC-C**

Line Item: **1.b Loans Secured by Real Estate / Secured by farmland**

Cell ID: **BHDM1420**

#### NOTE

The Adjustment feature works only for fixed grid cells (Open Y cells are not supported).

The report currently displays a Total value = 12,490,492,000.00 for the identified cell as shown in the following figure.

Schedule HC-C—Loans and Lease Financing Receivables					
Do not deduct the allowance for loan and lease losses from amounts reported in this schedule. Report (1) loans and leases held for sale at the lower of cost or fair value, (2) loans and leases held for investment, net of unearned income, and (3) loans and leases accounted for at fair value under a fair value option. Exclude assets held for trading and commercial paper.					
Dollar Amounts in Thousands	(Column A) Consolidated		(Column B) In Domestic Offices		
	BHCK	Amount	BHDM	Amount	
1. Loans secured by real estate .....	1410	303,087,371			1.
a. Construction, land development, and other land loans:			BHCK		
(1) 1– 4 family residential construction loans.....			F158	108,980,108	1.a.(1)
(2) Other construction loans and all land development and other land loans.....			F159	4,411,092	1.a.(2)
b. Secured by farmland .....			BHDM		
c. Secured by 1– 4 family residential properties.....			1420	12,490,492	1.b.

Figure 61: Adjustment Feature

Now, the requirement is to adjust this amount to 12,500,492,000.00

#### 4.7.1.1 Populating Base Tables

**FCT\_REG\_REPORT\_ADJUSTMENTS:** This table must be populated with the requisite 'Adjustment Amount' and other related columns.

For example:

**N\_ADJUSTED\_AMT → 10000000**

The corresponding **N\_CELL\_SKEY** value must be picked from **DIM\_REG\_REPORT\_CELL** for the respective **CELL\_ID**. The **DIM\_REG\_REPORT\_CELL** table is pre-seeded with cell IDs for reports supported for this feature.

The following columns must also be updated accordingly:

1. N\_ENTITY\_SKEY
2. N\_RUN\_SKEY
3. N\_MIS\_DATE\_SKEY

#### 4.7.1.2 Refreshing Adjustment Derived Entity

Execute the resave batch for Adjustments (<<INFODOM>>\_REG\_ADJUSTMENT\_RESAVE), to save the Adjustment derived entity - **DEADJ001**.

This ensures that the adjustment amount is reflected in the adjustment derived entity **DEADJ001**.

#### 4.7.1.3 Lombard Verification

Post adjustments, the retrieved report should reflect the amount that is coming from the sourced systems and the adjusted amount.

Retrieved report should reflect the amount after adjustments as shown in the following figure.

$$(12,490,492,000.00 + 10000000) = 12,500,492,000.00$$

<b>Schedule HC-C—Loans and Lease Financing Receivables</b>					
Do not deduct the allowance for loan and lease losses from amounts reported in this schedule. Report (1) loans and leases held for sale at the lower of cost or fair value, (2) loans and leases held for investment, net of unearned income, and (3) loans and leases accounted for at fair value under a fair value option. Exclude assets held for trading and commercial paper.					
Dollar Amounts in Thousands	(Column A) Consolidated		(Column B) In Domestic Offices		
	BHCK	Amount	BHDM	Amount	
1. Loans secured by real estate .....	1410	303,087,371			1.
a. Construction, land development, and other land loans:			BHCK		
(1) 1– 4 family residential construction loans .....			F158	106,980,106	1.a.(1)
(2) Other construction loans and all land development and other land loans .....			F159	4,411,092	1.a.(2)
b. Secured by farmland .....			BHDM		
			1420	12,500,492	1.b.

**Figure 62: Lombard Adjustment Verification**

**NOTE** The Adjustment amount can be negative to achieve a subtracted amount.

## 4.8 Direct Upload for Data Schedules

This product feature allows line items for data schedule based reports to be directly mapped to data sourced from various systems that are not captured through OFSAA regular granularities (for example, Portfolio granularity). The Direct Upload option involves using wrapper views and shadow derived entities for managing data from regular granularities and non-OFSAA granularities to be exposed together to the Lombard Agile Reporter. The topics in this section are organized as follows:

- [Setting up Shadow Derived Entity](#)
- [Defining Shadow Derived Entity](#)
- [Mapping Data Schedule](#)
- [Executing View Creation Batch](#)

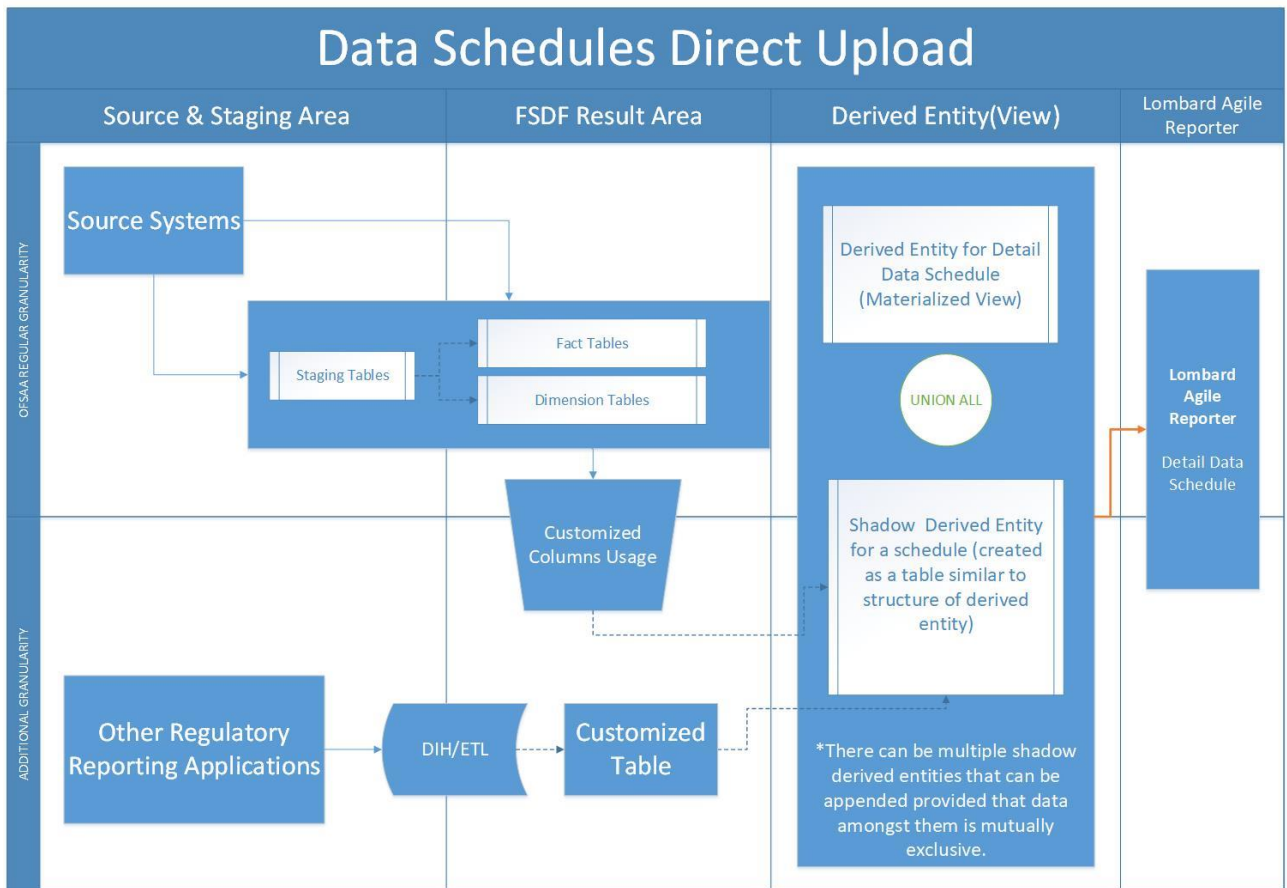


Figure 63: Data Schedules Direct Upload

### 4.8.1 Setting up Shadow Derived Entity

The initial step to enable data schedule involves setting up a shadow derived entity which holds data from sources that are not provided by OFSAA regular granularities.

### 4.8.2 Defining Shadow Derived Entity

The shadow derived entity and all the underlying objects which include the Datasets, Hierarchies, Measures and Business Processors must be defined from the OFSAA UI page under the **Financial Services Data Foundation → Unified Analytical Metadata → Business Metadata**.

See [OFS Analytical Applications Infrastructure User Guide](#) for more details.

**NOTE**

For populating the shadow derived entity cases where a new table is introduced which are not already a part of the OFSAA data model, ensure that the following conditions are met:

1. The primary key of the shadow table is the same as the granularity of the data required for the data schedule.
2. Data is expected to be mutually exclusive between OFSAA results and the shadow table.
3. Customer to load data into shadow tables through ETL / DIH.
4. Run Identifier and MIS Date and Entity Identifier must be mandatory attributes and part of the primary key.
5. This table can be created by extending the OFSAA data model followed by executing the source model generation to enable table visibility in OFSAA framework.

### 4.8.3 Mapping Data Schedule

Mapping of the shadow derived entity to the line items can be achieved by using the user interface described in Section 4.6: Data Schedule Mapping.

### 4.8.4 Executing View Creation Batch

Post mapping columns for direct upload through the steps mentioned in the previous section the view needs to be recreated in the database to reflect the shadow derived entity as a part of its definition.

This can be achieved by executing `<<##INFODOM##_DS_RESAVE_UNION_VIEW_USFED>>` batch from the batch execution page to save the view definition.

The resave batch is a sample batch for view resaves which can be utilized for the concerned view by replacing the sample view name with the desired view name under the batch maintenance page. After the changes are saved, the batch can be executed from the batch execution page.

This should modify the view definition to include the new shadow derived entity given all metadata mapped through the page has the same data type as the parent metadata.

**NOTE**

If the metadata type required for the line item and as identified by the wrapper view does not match that of the shadow derived entity, the view recreation fails. The errors are logged under the `'ERR_LOG_UNION_VIEW_PARSER'` table in the atomic schema.

### 4.8.4.1 Verifying the Configuration

After the batch is successfully executed, use any SQL tool to verify that the view is dependent on the derived entity added to the configuration. This can be verified from the **USER\_DEPENDENCIES** table by using the below query.

**Select REFERENCED\_NAME from User Dependencies Where NAME='<<VIEWNAME>>'**

where the VIEWNAME specifies the wrapper view for which mapping was done.

## 4.9 Data Schedule Migration

This section details the migration of Data Schedule mapping across environments.

### 4.9.1 Prerequisites

The following tables must be backed up in the source and target environments before the migration is performed:

- FSI\_DS\_CHILD\_COL\_MAP
- FSI\_DS\_INT\_CHILD\_INFO
- FSI\_DS\_SEEDED\_VW\_INFO
- FSI\_DS\_VW\_CHILD\_MAP
- FSI\_DS\_VW\_COL\_INFO
- FSI\_DS\_VW\_COL\_MAP

User-defined Derived Entity (Entities) created for data schedule mapping must be migrated via Object Migration feature of OFSAA ([OFS Advanced Analytical Applications Infrastructure Application Pack 8.0.8.0.0 User Guide](#))

### 4.9.2 Assumptions

The assumptions considered before the migration is performed are as follows:

- OFSAA objects (for example, determine derived entities) required for the data schedule mapping are present in the destination environment.
- Migration overwrites already existing configuration in the destination schema with the one from the source schema.
- The migration steps stated below for Data Schedule Mapping is performed for one view at a time.

### 4.9.3 Steps for Source Environment

Execute the following script files to migrate in the Source Environment:

1. [VW\\_FSI\\_DE\\_MIGRATION\\_UNION\\_DE.sql](#)
2. [FSI\\_DE\\_MIGRATION\\_UNION.sql](#)
3. [FSI\\_DE\\_MIGRATION\\_UNION\\_INSERT.sql](#) (by passing the union view name and jurisdiction code in the same sequence)

**NOTE**

Information for the parameters to be passed in the step above for a particular schedule and report can be obtained from FSI\_DS\_REPORT\_VIEW\_MAP.

4. Generate insert scripts from the FSI\_DE\_MIGRATION\_UNION table (say FSI\_DE\_MIGRATION\_UNION\_SOURCE\_EXPORT.sql) in the source environment, which can be used to populate the same table in the destination environment.

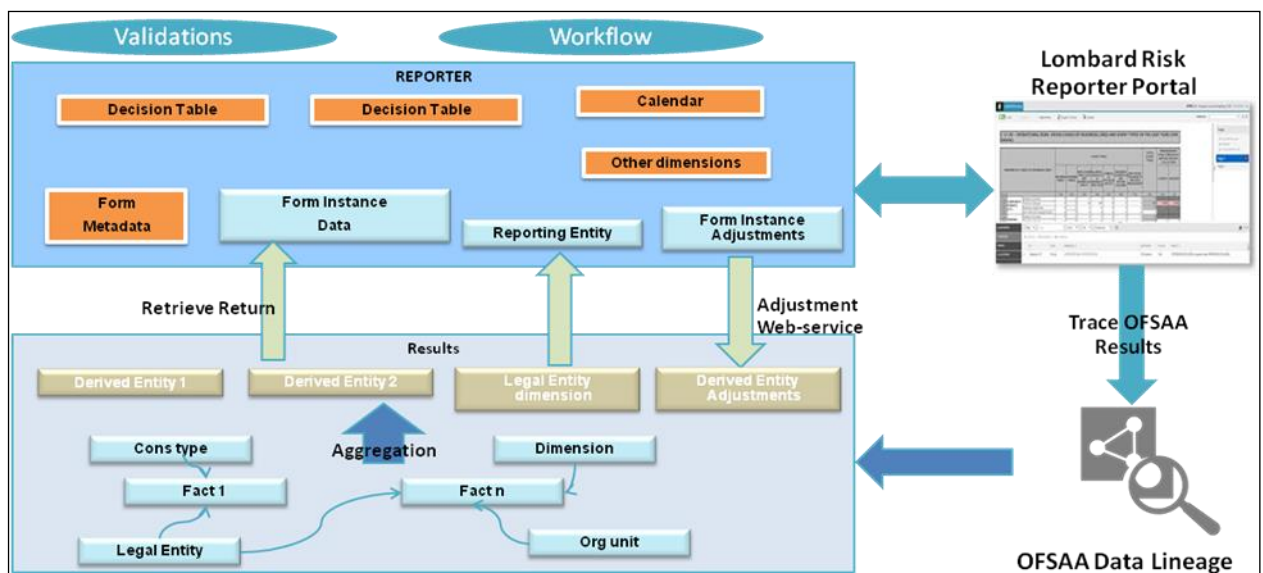
#### 4.9.4 Steps for Destination Environment

Execute the following script files to migrate in the Destination Environment:

1. [VW FSI\\_DE\\_MIGRATION\\_UNION\\_DE.sql](#)
2. [FSI\\_DE\\_MIGRATION\\_UNION.sql](#)
3. FSI\_DE\_MIGRATION\_UNION\_SOURCE\_EXPORT.sql (the insert script generated from the source schema)
4. [MIGRATION\\_POPULATION\\_TABLES.sql](#) (by replacing parameters P\_JURISDICTION and P\_UNION\_VIEW with the Jurisdiction Code and Union View Name respectively).

### 4.10 Mapping of Results to Reporting Requirements of Lombard Risk

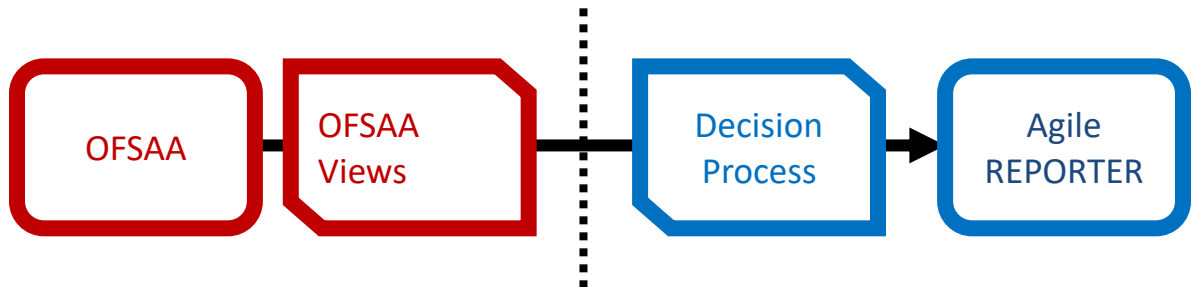
Figure 64 explains the flow of data between OFSAA and AgileREPORTER.



**Figure 64: Data Flow between OFSAA and AgileREPORTER**

OFSAA provides the data to AgileREPORTER in the form of derived entities. The derived entity is an existing OFSAA higher-order metadata object and can be physicalized as a materialized view in the database. Derived entities store aggregated data from base fact entities specified in the dataset and have the necessary dimensions and measures.

Dimensional and measure combination stored within the derived entity is mapped to cells within the report. This mapping is maintained within the 'Dimensional mapping' template. 'Decision Process' within AgileREPORTER reads the derived entities and dimension mapping information to derive the data for reporting. Derived entities are created based on measures, hierarchies, and datasets.



**Figure 65: Decision Process in AgileREPORTER**

Some cells in the schedule can be derived as per the logic provided by the regulator. Derivation can be an expression built using values from other cells. Examples of derivation are ratio, node-level rollup, a direct reference to cells in other schedules within the report. These derivations are performed within the AgileREPORTER. OFSAA provides data only for the cells that are not derived.

**NOTE**

Metadata for data transformation is available as part of the data warehouse configuration pack provided Out-of-Box / pre-configured from OFSAA. You need not perform any mapping for the reports. However, this information can be useful for maintenance or extensions when Out-of-Box pack is not available.

## 4.11 AgileREPORTER: Submission

The AgileREPORTER is a web-based regulatory reporting tool provided by Lombard Risk. It provides necessary features to address e-filing workflow, validation and submission process, and supports reports (called as forms/returns) for various jurisdictions. AgileREPORTER provides a reliable and efficient infrastructure to compile, generate, and submit regulatory reports.



## 5 OFSAA Features

This chapter provides an understanding of the AAI components used in the solution and dimensional mapping. It includes:

- [OFSAA Infrastructure](#)
- [Business Metadata](#)
- [Derived Entity](#)
- [Rules Run Framework Features](#)
- [Dimension Mapping](#)

Regulatory Reporting Solution (RRS) configures the data handoff structure to Lombard using metadata. The following sections provide details on datasets, measures, hierarchies and Derived Entities. Multiple derived entities are linked to a specific regulatory schedule. You can modify the configuration using the OFSAA infrastructure. Additionally, the metadata route provides traceability from reporting elements to the data elements used.

### 5.1 OFSAA Infrastructure

OFSAA Infrastructure includes the facilities for creating and maintaining dimensional reference data, interest rate and currency exchange rate data, and process tuning data. Additionally, OFSAA Infrastructure includes functionality for building and maintaining rules that can be used by any Oracle Financial Services Analytical Application. These common rule objects include:

- Expressions
- Hierarchies
- Filters

The analytical applications that you see on the Left Hand Side (LHS) of the Financial Services Applications home page depending on your logon privileges and on the OFSAA modules that are installed for your environment.

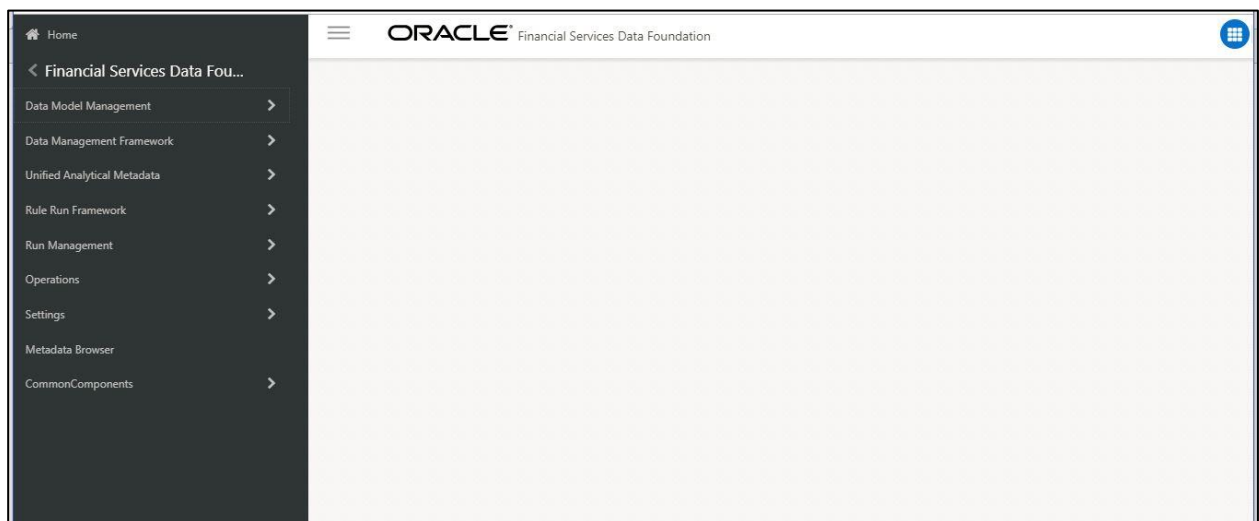


Figure 66: Landing Page

## 5.2 Business Metadata

In addition to Derived Entity, RRS uses the following OFSAA features to create the business metadata. For details on the features, see [OFS Analytical Applications Infrastructure User Guide](#) in the [OHC](#) documentation library.

- **Hierarchies:** Some OFSAA dimensions support hierarchies. Hierarchies can be used to provide sophisticated stratification for either processing or reporting purposes. For example, an organizational hierarchy can start with a Division level containing Western Region, Eastern Region, and Southern Region; the next level down within the hierarchy can be state or county. A product hierarchy can begin with branches for Asset vs. Liability vs. Service products; under the Asset branch, you can define additional branches for Mortgage Lending, Commercial Lending, Consumer Lending, and so on.
- **Measures:** Business Measure refers to a uniquely named data element of relevance that can be used to define views within the data warehouse. It typically implies aggregated information as opposed to information at a detailed granular level that is available before adequate transformations.
- **Business Processor:** It refers to a uniquely named data element of relevance that can be used to define views within the data warehouse. It typically implies aggregated information as opposed to information at a detailed granular level that is available before adequate transformations.
- **Datasets:** It refers to a group of tables whose inter-relationship is defined by specifying a join condition between the various tables. It is a basic building block to create a query and execute a data warehouse for a large number of functions and to generate reports.

## 5.3 Derived Entity

It is the primary component of OFSAA used for OFSDF Interface with Lombard Risk for EBA. Regulatory Reporting Solution uses Derived Entity to create a physical materialized view which is then queried by Lombard using pre-set data hand-off templates. An Entity refers to a table in which data is stored. Derived Entity within the infrastructure system facilitates you to define entities that are populated through a series of data transformation processes resulting from an existing Data Set or a Source Application. An Entity can be used to define other Business Metadata such as measures, hierarchies, dimensions, data sets, and cubes.

Derived Entities comprise the following:

- Measures
- Hierarchies
- Datasets

Ensure to define the above components within OFSAA before configuring the derived entity, and select **Materialized View** property in Derived Entity. This property creates the derived entity as materialized views.

1. Navigate to path **Financial Services Data Foundation → Unified Analytics Metadata → Business Metadata Management → Derived Entity**. The existing derived entities summary screen is displayed. You can Add a new derived entity and Edit, View, Delete, or Copy an existing derived entity.

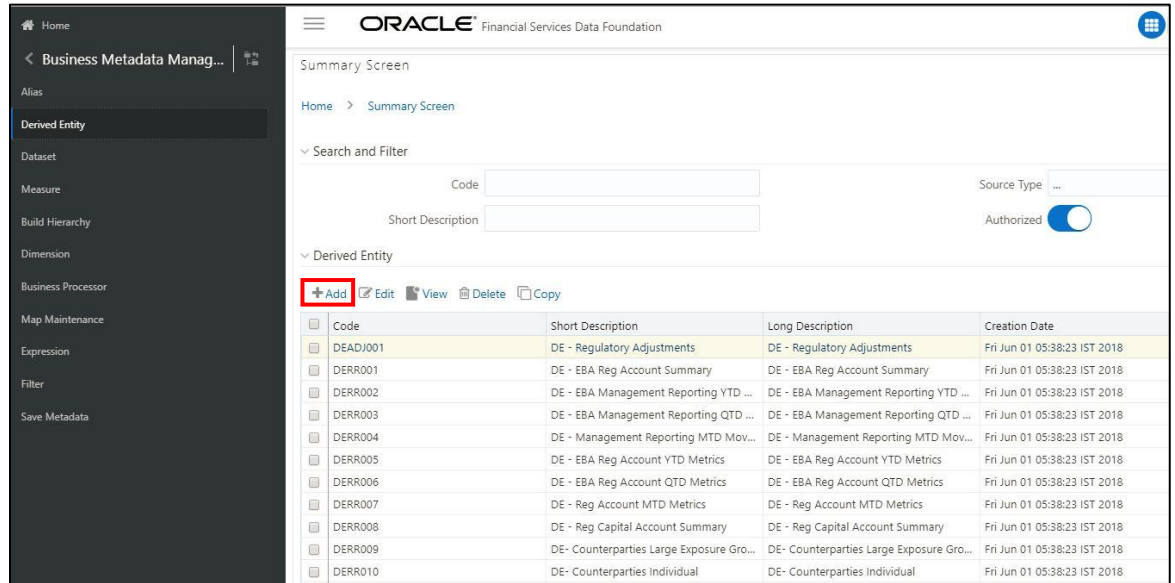


Figure 67: Derived Entity Summary Screen

2. Click the **Add** button to create a new Derived Entity.

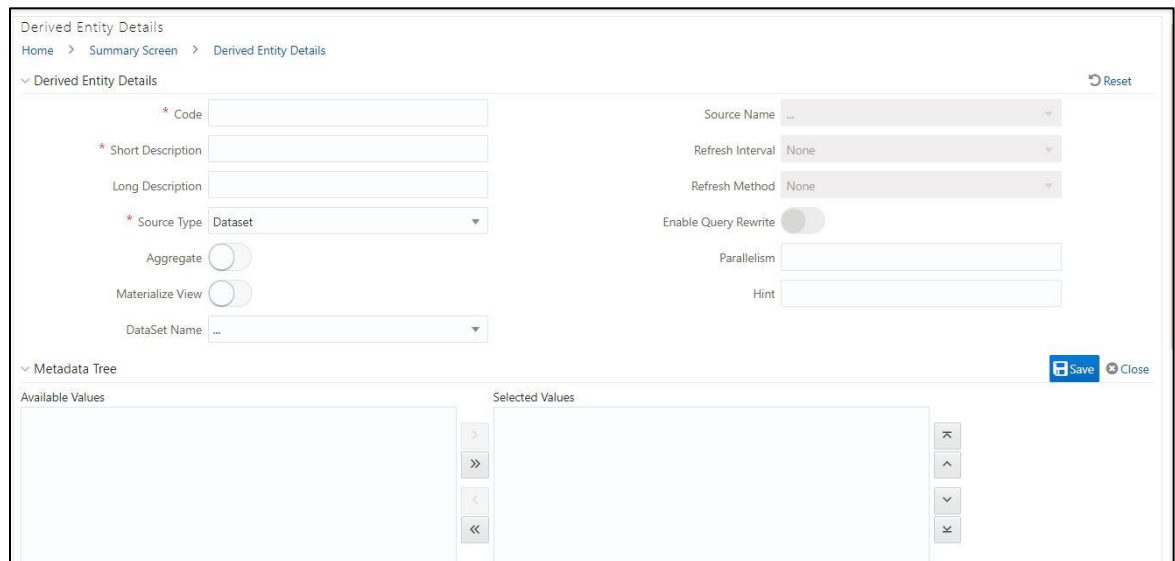


Figure 68: Derived Entity User Interface

### 5.3.1 Creation of Derived Entity

Derived Entities must have **Code**, **Short Description** and **Source Type** mandatory dimensions as shown in Figure 68. The rest of the structure of the derived entity can vary depending on the dimensions present. A metadata configuration table is present in AgileREPORTER to link the name of the column in the derived entity and dimension that is referred to in the dimension mapping process.

Derived entities have data for the 'Final Reporting Run' only, which is reported to the Regulatory, and are refreshed for the latest hand-off date.

A metadata configuration table is maintained within AgileREPORTER to capture the derived entities that supply data for each schedule.

Refer to [OFS Analytical Applications Infrastructure User Guide](#) in [\(OHC\)](#) documentation library for detailed steps on creating a derived entity.

### 5.3.2 User Roles

Following are the user roles for derived entity:

- **Reporting Analyst:** This user can create, modify, and delete a derived entity.
- **Data Analyst:** This user can view the derived entities.

## 5.4 Rules Run Framework Features

OFSDF Interface with Lombard Risk for EBA uses the following Rules Run Framework of OFSAA. For details on the features refer to [OFS Analytical Applications Infrastructure User Guide](#) in [OHC](#) documentation library.

- **Rules:** Financial institutions require constant monitoring and measurement of risk in order to conform to prevalent regulatory and supervisory standards. Such measurement often entails significant computations and validations with an organization's data. Data must be transformed to support such measurements and calculations. The data transformation is achieved through a set of defined Rules.

RRS uses Rules for reclassification of dimensions.

- **Process:** A set of Rules collectively form a Process. A Process definition is represented as a Process Tree. The Process option in the Rules Run Framework provides a framework that facilitates the definition and maintenance of a Process. By defining a Process, you can logically group a collection of Rules that pertain to a functional process.
- **Run:** The Run feature in the Rules Run Framework helps you to combine various components and/or processes together and execute them with different underlying approaches. Further, run conditions and/or job conditions can be specified while defining a run.

## 5.5 Dimension Mapping

Each cell reference is mapped to a set of dimensions and measures. This mapping is documented in excel and then converted to a Decision table through an offline utility provided by AgileREPORTER. A decision table is a metadata object within AgileREPORTER that stores the criteria for deriving value for each cell reference. The metadata is packaged for a regulatory report as part of the OFS Risk Regulatory Solution. The decision table process within AgileREPORTER reads the metadata and derived entity published by OFSAA to populate data required for returns for the specified date and legal entity.

The following table is an example of dimension mapping. Each cell reference is mapped to a set of dimension members and measures. If a dimension is left empty for a cell reference, it indicates that it is not participating in the mapping process. If there are multiple mappings for a cell reference, then the value of this cell can come from any of these criteria.

The decision mapping table is processed against the contents of the derived entity to reporting data. Each record of the derived entity is matched against the criteria specified in the decision table to identify the cell reference and derive return data (such as cell reference and cell value).

**NOTE**

All the dimension member codes that are used in the decision table are pre-seeded by OFSAA and cannot be modified. Therefore, if you have other member codes in the dimension, then you must re-classify them by using re-classification rule post load, or value-code mapping during load.

Decision tables must be prepared closer to the report submission period. In some cases, reclassification of multiple dimensions that result in a single unified reporting dimension must be performed in order to address the complexity of the decision table. Reclassification rule is defined in OFSAA and packaged as part of the OFSAA Risk Regulatory Reporting Solution.

In some cases, certain sections of the schedule or the entire schedule can be a list of data rows without any mapping to a fixed set of dimension members. For example, Top 20 counterparties, List of Available for Sale (AFS) – securities. In such cases, since there are no cell references, decision table mapping specifies the names of dimensions and measures of derived entities in the 'sheet' column or 'row' column of the template.

**NOTE**

As a part of the solution, metadata exists as out of box / pre-configured with the installer.

## 6 Executing Run through Run Management

Starting from OFSDF 8.0.3.1.0 release, we are packaging two out-of-the-box Runs for data loading. The same can be executed through the Run Management screen. The following are the two runs that are packaged as part of the Installer.

- **Financial Services Data Foundation Sourced Run:** This Run can be executed once per day for Data Movement from Staging Area to Results Area for Non-RUN SKEY tables.
- **OFS REG REP EBA Run:** This Run can be executed any number of times per day with each unique RUN SKEY for Data Movement in Run enabled tables.

### 6.1 Summary and Details Page

Upon initially navigating to **Run Management** → **Run Management**, a summary page is displayed showing all the defined Runs. By selecting a Run or by using search criteria, you can control the set of Runs that are displayed. This page displays the list of runs defined in the Run Rule Framework (RRF) except those with Immediate Execution Option Yes in the grid.

### 6.2 Navigation within the Summary Page

When you first navigate to the Run Management summary page, the Runs defined in the RRF are presented in a summary grid. The Run Management summary page has two sections:

- Search
- List of Runs

#### 6.2.1 Search Section

Among other properties, each Run possesses a segment, a Run Name, and a Run Type. You may search on any of these properties in the Search section.

The screenshot shows the 'Run Management Summary' interface. At the top, there is a 'Search' section with a dropdown menu for 'Segment' set to 'EBASEG', a text input for 'Run Name', and another dropdown for 'Run Type'. Below this is a 'List of Runs' section displaying a table with the following data:

Run Name	Run Type	Created By	Created Date	Last Modified By	Last Modified Date
EBA Regulatory Reporting Run	Base	SYSADMN	11/30/2016	SYSADMN	12/29/2016
Anacredit Regulatory Reporting Run	Base	SYSADMN	11/30/2016	SYSADMN	12/29/2016
Anacredit Source Base Run	Base	SYSADMN	12/16/2016	-	-
EBA Source Base Run	Base	SYSADMN	12/16/2016	-	-

Figure 69: Run Search Section

## 6.2.2 List of Runs Section

The List of Runs section presents a grid containing all of the Runs that meet your search criteria. This summary grid offers several icons that allow you to perform different functions when a Run is selected.

To select a Run, click the checkbox in the first column of the grid.

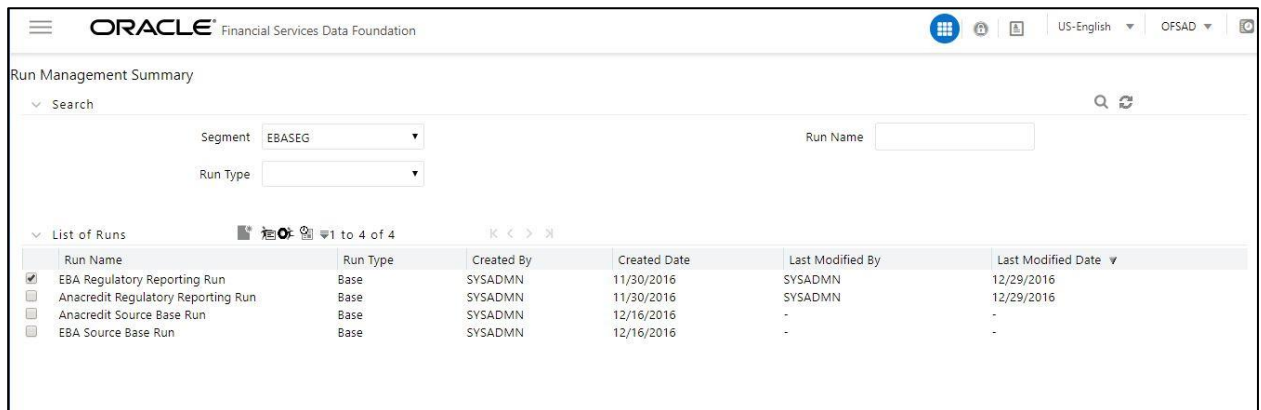



Figure 70: Run Selection

- **View** (

### 6.2.2.1 List of Runs Summary Grid

The following columns categorize each Run in the summary grid:

- **Run Name:** Displays the short name of the Run.
- **Run Type:** Displays the type of Run, Simulation or Baseline Run.
- **Created By:** Displays the name of the user who defined the Run.
- **Creation Date:** Displays the date on which the Run was created.
- **Last Modified By:** Displays the name of the user who has performed any modifications to the Original Run details.
- **Last Modified Date:** Displays the date on which the Original Run details were modified.

## 6.2.3 Navigation within Run Default Parameters Window

Click **Run Default Parameters** icon on the navigation bar of the Run Management Summary Window to input the Run level parameters. The Run Parameters Window is displayed.

The screenshot shows the Oracle Financial Services Data Foundation interface. The main window is titled 'Run Management Summary'. It features a search bar at the top left. Below the search bar, there are dropdown menus for 'Segment' (set to 'USFEDSEG') and 'Run Type'. A 'List of Runs' table is visible, with two entries: 'US Regulatory Source Run' (Base) and 'US Regulatory Reporting Run' (Base). The 'US Regulatory Reporting Run' is selected. To the right of the table, there is a 'Run Name' field set to 'EBA Source Base Run'. Below this, the 'Run Execution Parameters' section contains several fields: 'Reporting Currency', 'Legal Entity', 'Consolidation Type' (set to 'Consolidated'), 'Intra Company Elimination' (set to 'Yes'), 'Consolidation Hierarchy', and 'GAAP Code'. At the bottom of the window, there are 'Save', 'Execute', and 'Close' buttons. A red box highlights the 'Modify Run Parameters' icon in the navigation bar.

**Figure 71: Run Default Parameters Window**

### NOTE

To modify or view the parameters the Modify Run Parameters role should be mapped to that relevant user profile.

This window consists of two sections Run Details and Run Execution Parameters.

### 6.2.3.1 Run Details Section

This section displays the name of the Run which is a read-only value.

### 6.2.3.2 Run Execution Parameters Section

In this section, you can update the following:

- **Reporting Currency:** Reporting Currency Code parameter is used for the calculation of amounts in Reporting Currency during Data Population.
- **Legal Entity:** Legal Entity Code parameter is used for identifying the legal entity, which is used for the Run.
- **Consolidation Type:** Consolidation Type parameter is used for selecting legal entities on a solo or consolidation basis. In a solo run, only the selected legal entity will be used. In a consolidated run, along with the selected legal entity, all its child legal entities are also used.
- **Consolidation Hierarchy:** Legal Entity Hierarchy is used for selecting the required hierarchy for the consolidated run. This parameter is not required for a solo run.



- **GAAP Code:** Enter the required GAAP code for the Run.
- **FIC MIS Date:** Enter the extraction date in this field.
- **Run Execution Description:** Enter a longer description of the Run.

Before proceeding further, to ensure that you do not lose the updated data, click Save.

#### NOTE

To get the values for the Reporting Currency parameter and Legal Entity parameter, you need to save the following hierarchies under the Save Metadata screen:

- Legal Entity Code for Run (HSFDF001)
- Reporting Currency Code for Run (HSFDF002)
- Legal Entity Hierarchy for Run (HSFDF003)

For further details on Save Hierarchy, refer to Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack 8.0.5.0.0 User Guide on [OHC](#).

The values selected for reporting currency and Legal entity for the selected Run is shown as the default selected value in the Run Execution Parameters screen.

## 6.2.4 Navigation within Run Execution Parameters Window

Click **Run Execution Parameters** icon on the navigation bar of the *Run Management Summary* window. The *Run Execution Parameter* window allows you to enter and save the Run execution parameters.

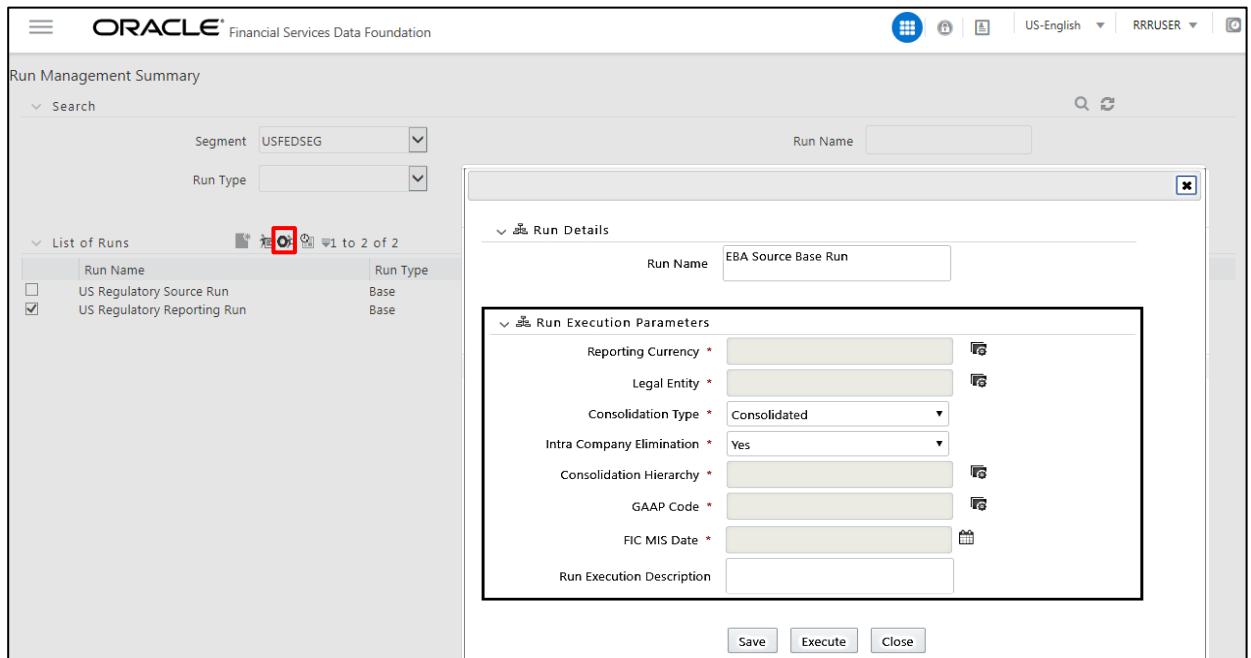


Figure 72: Run Execution Parameters Window

The *Run Execution Parameters* window consists of two sections **Run Details** and **Run Execution Parameters**.

### 6.2.4.1 Run Details Section

This section displays the name of the Run which is a read-only value.

### 6.2.4.2 Run Execution Parameters Section

The following Run execution parameters can be updated:

- **Reporting Currency:** Reporting Currency Code parameter is used for the calculation of amounts in Reporting Currency during Data Population.
- **Legal Entity:** Legal Entity Code parameter is used for identifying the legal entity, which is used for the Run.
- **Consolidation Type:** Consolidation Type parameter is used for selecting legal entities on a solo or consolidation basis. In a solo run, only the selected legal entity will be used. In a consolidated run, along with the selected legal entity, all its child legal entities are also used.
- **Consolidation Hierarchy:** Legal Entity Hierarchy is used for selecting the required hierarchy for the consolidated run. This parameter is not required for a solo run.
- **GAAP Code:** Enter the required GAAP code for the Run.
- **FIC MIS Date:** Enter the extraction date in this field.
- **Run Execution Description:** Enter a longer description of the Run.

#### NOTE

To get the values for the Reporting Currency parameter and Legal Entity parameter, you need to save the following hierarchies under the Save Metadata screen:

- Legal Entity Code for Run (HFSD001)
- Reporting Currency Code for Run (HFSD002)
- Legal Entity Hierarchy for Run (HSFDF003)

1. Click the Save button to create a batch with the defined Run execution parameters. The batch created can be executed from the Batch Execution screen.
2. Click the Execute button to create and execute a batch with the defined Run execution parameters immediately. Status of the executed run can be seen in the Batch Monitor screen or Run Execution Summary page.

#### NOTE

For further details on Save Hierarchy and Batch Execution, refer to Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack 8.0.9.0.0 User Guide on [OHC](#). To execute a Run, the execute run role should be mapped to your user profile. Currently, the users mapped under FSDF Admin or FSDF Operator User Groups automatically have this role.

## 6.2.5 Navigation within Run Execution Summary Page

Select a Run from the Run Management Summary page and click Run Execution Summary icon to display the Run Execution Summary page where the following sections are displayed.



**Figure 73: Run Execution Summary**

This section consists of the two sections Run Execution Summary and Run Execution Details.

### 6.2.5.1 Run Execution Summary Section




The Run Execution Summary displays the following details:

- **Run Name:** Displays the name of the Run.
- **Run Type:** Displays the type of Run, Baseline or Simulation.
- **Run ID:** Displays the Run Execution ID.

### 6.2.5.2 Run Execution Details Section

The Run Execution Details section presents a grid containing all of the executions of Run and status of a particular execution of the Run. The menu bar in this grid offers several icons that allow you to perform different functions when a Run Execution is selected. To select a Run Execution, click the checkbox in the first column of the grid. More than one Run Execution can be selected at a time but this will cause some of the icons to become disabled.

- **Parameter Details (🔍):** Click this icon to view the Run execution and Run default parameter details in read-only mode.
- **Copy (📄):** Click Copy icon, to copy the parameters as defined in the Run Execution Parameter window to create a new batch.
- **Execute (⚙️):** Click Execute icon to trigger the batch which has been created from the Run Execution Parameter window. The status of the triggered batch is displayed. In the Execution Summary page, multiple selections of the execution IDs are available to trigger a batch.
- **Request Report Flag (📄):** To request a Report Flag, select a Run Execution ID in the Run Execution Summary page and click Request for Reporting Execution icon. A dialog box appears to input your comments. Click Submit and the status of this Run is displayed in the Report Flag section. Only a successful execution can be requested for reporting. For the selected Run and Execution date, there can be only one reporting flag.

- **Override Report Flag** (  ): Any reporting execution can be overwritten with another execution. Select a successfully triggered batch in the Run Execution Summary page. The Override Report Flag icon is enabled if the execution is already marked as a Report Flag. You can override the execution by updating your comments.  
This should be approved by the approver and the procedure is similar to the procedure detailed in the Approve Report Flag section.
- **Approve Report Flag** (  ): After submitting the Reporting Run in the earlier section, the Approve Report Flag icon is enabled. After clicking the icon, a dialog box with the User Comments and Approver Comments is displayed. The Approver can update the comments in the Approver Comments field and then click Approve or Reject button accordingly.
- **Reload** (  ): Click this icon to refresh/reload the Run Execution Summary details.

### 6.2.5.3 Run Execution Grid

The Run Execution Details displays the following details:

- **Run Skey**: Displays the Run Skey of individual execution.
- **Run Execution ID**: Displays the execution ID of the Run.
- **FIC MIS DATE**: Enter the extraction date in this field.
- **Execution Status**: Displays the status of the execution which is failed or complete.
- **Execution Date**: Displays the date when the Run was executed.
- **Time of Execution**: Displays the time when the Run was executed.
- **Report Flag**: Displays the flag type used when the Run was executed.

## 6.3 Run Execution from Command Line

The Run Execution can be performed from the Command Line Interface with the following steps:

1. Navigate to `$FIC_HOME/ficdb/conf` directory
2. Create a properties file (`EBA_REG_RUN.properties`) with the following fields:

Name	Description	Example
INFODOM	Specify the name of Information Domain (INFODOM) of Run Definition	INFODOM=FSDFINF300
SEGMENT	Specify the Folder Code / Segment Code of Run Definition	SEGMENT=EBASEG
RUN_CODE	Specify the Run Code of the Run Definition	RUN_CODE=EBA_REG_RUN
USER_ID	Specify the OFSAAI User ID for the Run Execution	USER_ID=rrruser
HIER_RCY	Specify the Reporting Currency Hierarchy Code for the Run Execution	HIER_RCY=[HFSDF002].[EUR] (default value)

Name	Description	Example
HIER_LE	Specify the Legal Entity Code for the Run Execution	HIER_LE=WFCB
HIER_CONSOHIER	Specify the Consolidation Hierarchy for the Run Execution	HIER_CONSOHIER=[HFSD003].[Default Org Structure Hierarchy] (default value)
LIST_CONSOTYPE	Specify the Consolidation Type for the Run Execution	LIST_CONSOTYPE=SOLO List of values accepted are: 1. CONS: Consolidated Run 2. SOLO: Solo Run (default value)
HIER_GAAP	Specify the GAAP Code Hierarchy for the Run Execution	HIER_GAAP=[HFSD005].[IFRS]
RUN_EXE_COMMENTS	Specify the Comments for Run Execution	RUN_EXE_COMMENTS=COREP01 Reporting Run
REQ_TYPE	Specify the Type of Execution for Run	REQ_TYPE=E Value accepted: E: Create Batch and Execute

3. Navigate to `$FIC_HOME/ficdb/bin` directory

4. Execute the following `.sh` file by passing two arguments:

```
ExecuteRunManagement.sh <FIC_HOME>/ficdb/conf/<propertyfile> <execution date in YYYYMMDD format>
```

For example: `ExecuteRunManagement.sh <$FIC_HOME>/ficdb/conf/EBA_REG_RUN.properties 20171130`

5. When the Run execution succeeds, the following message is displayed:

```
sDynamParam:HIER#LE~MSG,HIER#CONSOHIER~[HFSD003].[Default Org Structure Hierarchy],HIER#RCY~[HFSD002].[USD],
responseStatus:200
responsePhrase:
Execution successful
0
```

6. When the Run execution fails, the following message is displayed:

```
sDynamParam:HIER#LE~MSG1,HIER#CONSOHIER~[HFSD003].[Default Org Structure Hierarchy],HIER#RCY~[HFSD002].[USD],
responseStatus:200
responsePhrase:
Execution failed
-1
```

The Batch execution status can be monitored through the Batch Monitor link from the OFSAA Application Interface and the relevant logs are generated under the `$FIC_HOME/ficdb/log` directory.

## 7 Metadata Export Utility

The Metadata Export Utility helps you to export OFSAA metadata into Excel Sheet. This feature helps to get a view of OFSAA metadata and its dependencies. It is a template-based approach where-in you create templates and select Metadata Objects that must be extracted. The extraction process is supported only for Excel Sheet. While defining the template, you are expected to have prior knowledge of the OFSAA Metadata objects that are relevant from his application point of view.

### 7.1 Prerequisites

The following executions must be performed before using the Metadata Export Utility:

1. Before executing MDB Publish and Data Elements Wrapper Batch, ensure the following:

- a. Tablespace Requirement:

- i. Ensure that the USER tablespace has a minimum of 150 GB available
- ii. Ensure that the TEMP tablespace has a minimum of 45 GB available

- b. Execute the following Gather Stat command for the mentioned tables:

```
BEGIN
DBMS_STATS.GATHER_TABLE_STATS (USER, 'TABLE_NAME' );
END;
```

- iii. Atomic Schema:

```
FSI_M_CELL_DEFN
FSI_M_CELL_DETAILS
FSI_M_CELL_DIM_VAL
FSI_DE_SEEDED_DIMENSIONS
FSI_DE_TABLE_APPLICATION_MAP
FSI_DE_PP_TABLE_LIST
FSI_DE_METADATA_SEEDED_VW_MAP
FSI_DE_PP_TABLE_REPORT_MAP
```

- iv. Config Schema:

```
AAI_OBJECT_B
AAI_OBJECT_TL
AAI_DMT_DEFINITION
AAI_DMT_DEF_SOURCE_ENTITY
AAI_DMT_MAPPING_DETAILS
PR2_RULES_B
PR2_RULE_MAP
PR2_RULE_OBJECT
PR2_RULE_OBJECT_MEMBER
PR2_OBJECT_TL
```

PR2\_OBJECT\_TRACE  
 BATCH\_MASTER  
 BATCH\_TASK\_MASTER  
 BATCH\_PARAMETER\_MASTER  
 METADATA\_MASTER  
 METADATA\_ELEMENT\_MASTER  
 METADATA\_LOCALE\_MASTER  
 METADATA\_TYPE\_MASTER  
 METADATA\_ATTRIBUTE\_MASTER

2. **MDB Publish:** Execute the batch, **INFODOM\_MDB**
3. After Executing **MDB Publish** and **Data Element Wrapper Batch**, ensure the following:
  - a. Execute the following Gather Stat command for the mentioned tables:

```

BEGIN
DBMS_STATS.GATHER_TABLE_STATS (USER, 'TABLE_NAME' );
END;

```

- v. Atomic Schema:

FSI\_DE\_REPORT\_LINEAGE\_BASE  
 FSI\_DE\_REPORT\_LINEAGE\_DETL  
 FSI\_DE\_METADATA\_TGT\_MEMBER  
 FSI\_DE\_METADATA\_SRC\_MEMBER  
 FSI\_DE\_REPORT\_TARGET\_MEMBER  
 FSI\_DE\_REPORT\_SOURCE\_MEMBER

4. **Logs:** MDB logs are generated under deployed area **/Context\_Name/logs/MDB\_XXXX.log**
5. **Data Elements Wrapper Execution:** After MDB Publish is completed successfully with the message “Metadata publishing is finished.” in the **/Context\_Name/logs/MDB\_XXXX.log**, you must execute the Data Elements Utility with the following seeded batch to get the Data Lineage for each Metadata in OFSAA:

**<INFODOM>\_POP\_DATA\_ELEMENTS\_EBA**

**NOTE**

This execution requires adequate tablespace. Ensure that your Atomic Schema is having enough tablespace in TEMP and USER.

**Parameters used in DATA\_ELEMENTS Batch**

The batch can be executed in different modes according to each requirement. The following are the parameters used for executing the batch.

The default parameters used in the **<INFODOM>\_POP\_DATA\_ELEMENTS\_EBA** batch are:

**Task1 (METADATA PARSER)**

Sl. No.	Parameter	Description	List of Values	Default Value
1	P_FULL_PARSE	Full Parser Flag	Y/N	'Y'
2	P_INFODOM_NAME	Infodom Name	##INFODOM##	<Value of the Infodom where EBA is installed>. For example: 'FSDFINFO'

**Task2 (REPORT PARSER)**

Sl. No.	Parameter	Description	List of Values	Default Value
1	P_JURISDICTION	Jurisdiction Code	EBA	'EBA'
2	P_INFODOM_NAME	Infodom Name	##INFODOM##	<Value of the Infodom where EBA is installed>. For example: 'FSDFINFO'

**Execution Types for METADATA Parsing in <INFODOM>\_POP\_DATA\_ELEMENTS\_EBA Batch**

- Full METADATA Parsing [Default Mode]** (if the P\_FULL\_PARSE parameter is 'Y', then the parsing happens for entire METADATA and Run Elements for the Run(s) enabled in FSI\_DE\_POP\_RUN\_LIST table in the Atomic Schema.).
- Incremental METADATA Parsing [Optional Mode. Batch Parameter to Be Modified]** (if the P\_FULL\_PARSE parameter is 'N', then the parsing happens for changed METADATA and Run Elements for the Run(s) enabled in FSI\_DE\_POP\_RUN\_LIST table in the Atomic Schema.).

You can edit the parameters by accessing the Batch Maintenance screen.

- Log in to Oracle Financial Services Analytical Applications interface with your credentials.
- Navigate to **Applications → Financial Services Data Foundation → Operations → Batch Maintenance**
- Select **Batch Name (<INFODOM>\_POP\_DATA\_ELEMENTS\_EBA)**
- Select **Task1** and click the Edit button. The Edit Task Definition Window is displayed.
- Modify the **Parameter List** field as applicable.

**NOTE** The values must be in single quotes and comma-separated for each value. Follow the same order as in the table.

**Execution Types for REPORT Parsing in <INFODOM>\_POP\_DATA\_ELEMENTS\_EBA Batch:**

- EBA Jurisdiction REPORT Parsing [Default Mode]** (if the P\_JURISDICTION parameter is 'EBA', then the parsing happens for EBA Reports enabled in FSI\_DE\_POP\_REPORT\_LIST table in the Atomic Schema).

**NOTE** Even if the P\_JURISDICTION parameter in <INFODOM>\_POP\_DATA\_ELEMENTS\_EBA Batch is loaded, the Dashboards which get parsed depend on the FSI\_DE\_POP\_REPORT\_LIST table in the Atomic Schema.



2. **All Jurisdictions REPORT Parsing [Optional Mode. Batch Parameter to Be Modified]** (if the P\_JURISDICTION parameter is NULL, that is, ("") or two Single Quotes, then the parsing happens for entire Reports enabled in FSI\_DE\_POP\_REPORT\_LIST table in the Atomic Schema).

You can edit the parameters by accessing the Batch Maintenance screen.

- a. Log in to Oracle Financial Services Analytical Applications interface with your credentials.
- b. Navigate to **Applications → Financial Services Data Foundation → Operations → Batch Maintenance**
- c. Select **Batch Name (<INFODOM>\_POP\_DATA\_ELEMENTS\_EBA)**
- d. (OPTIONAL) Select **Task2** and click the **Edit** button. The Edit Task Definition Window is displayed.
- e. Modify the **Parameter List** field as applicable.

**NOTE** The values must be in single quotes and comma-separated for each value. Follow the same order as in the table.

### Enabling Run for METADATA Parsing

Every execution for METADATA Parsing requires a minimum of one Run to be enabled in the FSI\_DE\_POP\_RUN\_LIST table in the Atomic Schema. Trigger the following Runs in order.

RUN NAME	INCLUDE RUN
EBASOURCERUN	Y
EBAREGRUN	Y

### Enabling Reports for REPORT Parsing

Every execution for REPORT Parsing requires a minimum of one Report to be enabled in the FSI\_DE\_POP\_REPORT\_LIST table in the Atomic Schema. By default, the following Reports are enabled for EBA Jurisdiction.

SI. No.	DASHBOARD ID	REPORT CODE	JURISDICTION CODE	INCLUDES REPORT
1	5001	FI0200	EBA	Y
2	5002	FI0405	EBA	Y
3	5002	FI040401	EBA	Y
4	5002	FI040201	EBA	Y
5	5002	FI040202	EBA	Y
6	5002	FI0404	EBA	Y
7	5002	FI0402	EBA	Y
8	5002	FI0401	EBA	Y
9	5002	FI040301	EBA	Y
10	5002	FI0403	EBA	Y
11	5003	FI0701	EBA	Y
12	5003	FI0700	EBA	Y

SI. No.	DASHBOARD ID	REPORT CODE	JURISDICTION CODE	INCLUDES REPORT
13	5004	FI0802	EBA	Y
14	5004	FI0801	EBA	Y
15	5005	C30.00	EBA	Y
16	5005	C29.00	EBA	Y
17	5005	C28.00	EBA	Y
18	5005	C31.00	EBA	Y
19	5005	C26.00	EBA	Y
20	5005	C27.00	EBA	Y
21	5006	FI0501	EBA	Y
22	5006	FI0500	EBA	Y
23	5007	FI0601	EBA	Y
24	5007	FI0600	EBA	Y
25	5008	FI0902	EBA	Y
26	5008	FI090101	EBA	Y
27	5008	FI0901	EBA	Y
28	5009	C17.00	EBA	Y
29	5010	FI1400	EBA	Y
30	5011	FI1000	EBA	Y
31	5012	FI1104	EBA	Y
32	5012	FI1103	EBA	Y
33	5012	FI1101	EBA	Y
34	5013	FI1303	EBA	Y
35	5013	FI1301	EBA	Y
36	5013	FI1302	EBA	Y
37	5014	FI1900	EBA	Y
38	5015	C07.00	EBA	Y
39	5016	C75.00	EBA	Y
40	5016	C74.00	EBA	Y
41	5016	C72.00	EBA	Y
42	5016	C73.00	EBA	Y
43	5017	FI2005	EBA	Y
44	5017	FI2006	EBA	Y
45	5017	FI200701	EBA	Y
46	5017	FI2007	EBA	Y
47	5017	FI2004	EBA	Y

SI. No.	DASHBOARD ID	REPORT CODE	JURISDICTION CODE	INCLUDES REPORT
48	5017	FI2001	EBA	Y
49	5017	FI2002	EBA	Y
50	5017	FI2003	EBA	Y
51	5018	FI1602	EBA	Y
52	5018	FI1601	EBA	Y
53	5018	FI1605	EBA	Y
54	5018	FI1606	EBA	Y
55	5018	FI1607	EBA	Y
56	5018	FI1603	EBA	Y
57	5018	FI1604	EBA	Y
58	5018	FI160401	EBA	Y
59	5019	FI1800	EBA	Y
60	5020	C41.00	EBA	Y
61	5020	C43.00	EBA	Y
62	5020	C44.00	EBA	Y
63	5020	C40.00	EBA	Y
64	5020	C47.00	EBA	Y
65	5021	FI0102	EBA	Y
66	5021	FI0101	EBA	Y
67	5021	FI0103	EBA	Y
68	5022	FI1703	EBA	Y
69	5022	FI1701	EBA	Y
70	5022	FI1702	EBA	Y
71	5023	FI2100	EBA	Y
72	5024	FI4101	EBA	Y
73	5024	FI4102	EBA	Y
74	5024	FI4103	EBA	Y
75	5025	FI4200	EBA	Y
76	5026	FI4300	EBA	Y
77	5027	FI4600	EBA	Y
78	5028	FI4501	EBA	Y
79	5028	FI4502	EBA	Y
80	5028	FI4503	EBA	Y
81	5029	FI0300	EBA	Y
82	5030	FI3002	EBA	Y

SI. No.	DASHBOARD ID	REPORT CODE	JURISDICTION CODE	INCLUDES REPORT
83	5030	FI3001	EBA	Y
84	5031	FI3102	EBA	Y
85	5031	FI3101	EBA	Y
86	5032	FI4403	EBA	Y
87	5032	FI4402	EBA	Y
88	5032	FI4401	EBA	Y
89	5033	FI2202	EBA	Y
90	5033	FI2201	EBA	Y
91	5034	FI1202	EBA	Y
92	5034	FI1201	EBA	Y
93	5035	FI1500	EBA	Y
94	5036	FI4002	EBA	Y
95	5036	FI4001	EBA	Y
96	5037	C60.00	EBA	Y
97	5037	C61.00	EBA	Y
98	5038	C01.00	EBA	Y
99	5038	C02.00	EBA	Y
100	5038	C03.00	EBA	Y
101	5038	C04.00	EBA	Y
102	5038	C05.00	EBA	Y
103	5039	C09.00	EBA	Y
104	5040	OPRS	EBA	Y
105	5041	MKEQ	EBA	Y
106	5042	MKFX	EBA	Y
107	5050	Instrument Dataset	ECB	Y
108	5050	Financial Dataset	ECB	Y
109	5050	Instrument-protection Received Dataset	ECB	Y
110	5050	Protection Received Dataset	ECB	Y
111	5050	Joint Liabilities Dataset	ECB	Y
112	5050	Counterparty Risk Dataset	ECB	Y
113	5050	Counterparty Instrument Dataset	ECB	Y
114	5050	Counterparty Reference Dataset	ECB	Y
115	5050	Accounting Dataset	ECB	Y
116	5050	Counterparty Default Dataset	ECB	Y

**NOTE** By Default All Dashboards are enabled and if you wish to parse particular Dashboards, modify the FSI\_DE\_POP\_REPORT\_LIST table in the Atomic Schema by enabling/disabling the “Include Report Column”.

### Executing SELECTED tasks of <INFODOM>\_POP\_DATA\_ELEMENTS\_EBA Batch

By Default, the <INFODOM>\_POP\_DATA\_ELEMENTS\_EBA Batch contains both the tasks, that is, METADATA Parsing and REPORT Parsing. You can use the platform feature of the EXCLUDE / INCLUDE Batch Task for the Optional execution of required tasks.

## 7.1.1 Verifying Logs

Data Elements logs are generated in Atomic Schema under the **FSI\_MESSAGE\_LOGS** table.

Flag	Batch Run ID	Indication
Task1 (METADATA Parsing)	REGISTER_ELEMENTS_<Batch_Run_ID>	Processes Metadata Parsing. The message “Completed REGISTER_ELEMENTS” indicates that the Metadata parsing is completed with Registration.
Task2 (REPORT Parsing)	REPORT_TO_ELEMENTS_<Batch_Run_ID >	Processes Report Parsing. The message “Completed REPORT_TO_ELEMENTS” indicates that all the Report parsing is completed.

## 7.1.2 Validating Lineage Outputs

In Atomic Schema, you must verify that data is present in the following tables and ensure that the table is populated:

- FSI\_DE\_RUN\_LINEAGE\_METADATA
- MDR\_LINEAGE\_METADATA
- FSI\_DE\_REPORT\_LINEAGE\_BASE
- FSI\_DE\_REPORT\_LINEAGE\_DETL

**NOTE** It is recommended that the following SQL statement must be executed in Config Schema if this INDEX is not created:

```
CREATE INDEX index_mdr_mod_parent_child
CREATE INDEX index_mdr_mod_parent_child
ON mdb_object_dependencies
(parent_object_def_id,child_object_def_id)
COMPUTE STATISTICS
/
```

## 7.2 User Access

The following user groups are pre-seeded in the component that grants access to the Metadata Report Extract screen.

- MDR View Group: To see Metadata Report Extract with View permissions.
- MDR Owner Group: To create templates in Metadata Report Extract.

## 7.3 Create and Export Metadata Report Templates

Perform the following steps to create and export the Metadata Report Templates:

1. Navigate to **Common Components** → **Utilities** → **Metadata Report**.

The screenshot shows the Oracle Financial Services Data Foundation interface for the Metadata Report. The page includes a search bar, a summary section with an 'Add' icon, and a table of existing templates.

Template Id	Template Name	Template Description	Status	Created Date
227262	LineageTest-hint	Supriti	Completed	2018-07-06 12:11:21.0
227261	LineageTest	Supriti	Ongoing	2018-07-06 10:57:50.0
227260	Sreejith	TEst	Completed	2018-07-05 20:09:27.0

2. Click **Add** icon, in **Summary** screen, to create a new Metadata Report Template.

This screenshot is identical to the previous one, but the 'Add' icon in the Summary section is highlighted with a red box to indicate the next step in the process.

3. Provide the **Name** and **Description** for the new template in the **Template Definition** page.

4. Select the desired object from the **Object Type** dropdown to be exported.

**Individual** report generates only the basic properties of the object selected, that is, name and description. The relational report generates detailed information up to the Entities level if Dependencies is chosen; and up to the Staging Columns level, if Data Lineage is selected along with Dependencies.

**Dependencies:** Metadata object is dependent on several other metadata objects. Metadata object is also used (that is, consumed) in several other metadata objects. Dependency or usage tree can be of any depth. For example, a rule can be dependent on a hierarchy, business processor, and dataset. Further, each of these metadata objects can be dependent on other metadata objects. Metadata Export Utility exports all the dependent or used metadata objects for all paths in the dependency or usage tree if this option is selected.

**Lineage:** Data is loaded from source systems to staging and then moved across to processing/reporting. Lineage traces the data element as it moves across different layers of OFSAA: staging, processing, and reporting. Metadata Export Utility exports the lineage of each of the reporting area data element that is identified by dependencies.

For **Individual**: In the **Export Options**, do not select **Dependencies** or **Data Lineage**.

**Template Definition**

Navigation: < Back | Definition | **Object Types** | Filter Objects | Lineage Properties | Review | Next >

**Object Types**

Choose: Dashboard x

**Export Options**

Dependencies:

Data Lineage:

Buttons: Save, Return

The exported sample report for Individual is as follows:

	A	B	C	D
1	CLASSIFICATION_RULE_NAME	CLASSIFICATION_RULE_DESC	HIERARCHY_NAME	HIERARCHY_DESC
2	Reg Liq Cashflow - Outflow Others Total Collateral	Reg Liq Cashflow - Outflow Others Total Collateral	Risk Scenario Dimension	Risk Scenario Dimension
3	Reg Liq Cashflow - Outflow Others Total Collateral	Reg Liq Cashflow - Outflow Others Total Collateral	Reg Liq Cashflow Group	Reg Liq Cashflow Group
4	Reg Liq Cashflow - Outflow Others Loss of Rights - Placed	Reg Liq Cashflow - Outflow Others Loss of Rights - Placed	Reg Liq Cashflow Group	Reg Liq Cashflow Group
5	Reg Liq Cashflow - Outflow Others Loss of Rights - Placed	Reg Liq Cashflow - Outflow Others Loss of Rights - Placed	Risk Scenario Dimension	Risk Scenario Dimension
6				
7				
8				
9				
10				

**For Relational:** In the **Export Options**, select **Dependencies**.

**Template Definition**

Navigation: < Back | Definition | **Object Types** | Filter Objects | Lineage Properties | Review | Next >

**Object Types**

Choose: Dashboard x

**Export Options**

Dependencies:

Data Lineage:

Buttons: Save, Return

The exported sample report for Relational is as follows:



Path Name	Dependency
Path1	Dashboard > Report > View > Hierarchy > Entities >
Path2	Dashboard > Report > View > Derived Entity > Measure > Entities >
Path3	Dashboard > Report > View > Derived Entity > Hierarchy > Entities >
Path4	Dashboard > Report > View > Derived Entity > Dataset > Entities >
Path5	Dashboard > Report > View > Reporting Line Item > Measure > Entities >
Path6	Dashboard > Report > View > Reporting Line Item > Hierarchy > Entities >
Path7	Dashboard > Report > View > Reporting Line Item > Derived Entity > Measure > Entities >
Path8	Dashboard > Report > View > Reporting Line Item > Derived Entity > Hierarchy > Entities >
Path9	Dashboard > Report > View > Reporting Line Item > Derived Entity > Dataset > Entities >

The first sheet shows the different Paths and their Dependencies up to the Entities level. Select the required **Path** sheet at the bottom to view the dependencies.

Each path tells how the dependency/usage is derived from dashboard to entity or vice versa involving various OFSAA object types like Derived Entity, Hierarchies, Datasets, Measures, and so on.

These paths are generated by the system using data already published in MDB dependency tables as part of the OFSAA MDB object publish.

For every dependent object type displayed in each path sheet, the following columns are displayed:

- Object type name
- Object type description
- One or many Object-specific properties (optional)

For example: In Path1, Dashboard is the first Object type, the dependencies generated are Dashboard Name, Dashboard Description, and Dashboard properties: Dashboard Country, Dashboard Regulator and so on. Similarly, Report is the next Object type in Path1 and the dependencies generated are Report Name, Report Description, Views Name, Views Description, View Display Format and so on. Then followed by Hierarchy Objects name, description, and properties up to the Entities level.

DASHBOARD_NAME	DASHBOARD_DESC	DASHBOARD_COUNTRY	DASHBOARD_REGULATOR	DASHBOARD_FREQUENCY	REPORT_NAME
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0401	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0403	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0403	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0403	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0401	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0405	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0402	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0403	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0402	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0405	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0402	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0402	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0405	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0401	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0403	
FI04	Breakdown of financial assets by instrument and by counterp	European Banking Authority	Quarterly	FI0401	

The Usage sample report (generated by default when Dependencies is selected) is as follows:

Path Name	Usage
Path1	Columns > Hierarchy > View > Report >Dashboard >
Path2	Columns > Measure > Derived Entity > View > Report >Dashboard >
Path3	Columns > Hierarchy > Derived Entity > View > Report >Dashboard >
Path4	Columns > Measure > Business Processor > Derived Entity > View > Report >Dashboard >
Path5	Columns > Measure > Reporting Element > View > Report >Dashboard >
Path6	Columns > Hierarchy > Reporting Element > View > Report >Dashboard >
Path7	Columns > Measure > Derived Entity > Reporting Element > View > Report >Dashboard >
Path8	Columns > Hierarchy > Derived Entity > Reporting Element > View > Report >Dashboard >
Path9	Columns > Measure > Business Processor > Dermed Entity > Reporting Element > View > Report >Dashboard >
Path10	Columns > Measure > Business Processor > Reporting Element > View > Report >Dashboard >

The first sheet shows the different Paths and their Usage up to the Dashboard level. Select the required Path sheet at the bottom to view the Usage.

A	B	C	D	E	F	G	H
COLUMNS_NAME	COLUMNS_DESC	COLUMNS_PHYSICAL_COL_ID	HIERARCHY_NAME	HIERARCHY_DESC	HIER_TYPE	HIER_MULTIDIM_PROPERTY	HIER_TOTAL_READ
1 Transaction Account Flag	Indicates if said account is consider	FCT_DEPOSITS_BORROWINGS F	Trans Account Flag Hierarchy	Hierarchy for Trans Account Flag	BI	REGULAR	Yes
2 Repurchased Or Indemnified Flag	Indicates if the said account is Rep	FCT_LOAN_ACCOUNT_SUMMARY	Repurchased or Indemnified Flag	Repurchased or Indemnified Flag	BI	REGULAR	Yes
3 Impairment Amount Under Asc 3	This column stores the impairment	FCT_LOAN_ACCOUNT_SUMMARY	Impair asc31030 Amount Check	Impair asc31030 Amount Check	BI	REGULAR	Yes
4 Troubled Debt Restructure Flag	This column indicates if said loan is	FCT_LOAN_ACCOUNT_SUMMARY	Troubled Debt Restructure Flag	Troubled Debt Restructure Flag	BI	REGULAR	Yes
5 Negative Amortization Flag	This column stores if loan has nega	FCT_LOAN_ACCOUNT_SUMMARY	Negative Amortization Flag	Negative Amortization Flag	BI	REGULAR	Yes
6 Mortgage Broker Surrogate Key	This stores unique identifier for the	FCT_LOAN_ACCOUNT_SUMMARY	Broker Skye Hierarchy	Broker Skye Hierarchy	BI	REGULAR	Yes
7 Cleared Transaction Flag	This columns stores if particular tra	FCT_REG_ACCOUNT_SUMMARY	Fleared Transaction Flag	Fleared Transaction Flag	BI	REGULAR	Yes
8 Mark To Market Value In Report	This stores the mark to market valu	FCT_REG_ACCOUNT_SUMMARY	N Mm Value-FRAS Hierarchy	Hierarchy Mtm Value-FRAS	BI	REGULAR	Yes
9 Broker Surrogate key	This stores unique identifier for the	FCT_DEPOSITS_BORROWINGS N	Broker Hierarchy Deposit Borowi	Broker Hierarchy Deposit Borowi	BI	REGULAR	Yes
10 Callable Deposit Indicator	Indicates if said deposit can be call	FCT_DEPOSITS_BORROWINGS F	Deposit Option Indicator Hiera	Deposit Option Indicator Hiera	BI	REGULAR	Yes
11 Impairment Amount Under Asc 3	This column stores the impairment	FCT_LOAN_ACCOUNT_SUMMARY	Impair asc31030 Amount Check	Impair asc31030 Amount Check	BI	REGULAR	Yes
12 Troubled Debt Restructure Flag	This column indicates if said loan is	FCT_LOAN_ACCOUNT_SUMMARY	Troubled Debt Restructure Flag	Troubled Debt Restructure Flag	BI	REGULAR	Yes
13 Troubled Debt Restructure Flag	This column indicates if said loan is	FCT_LOAN_ACCOUNT_SUMMARY	Troubled Debt Restructure Flag	Troubled Debt Restructure Flag	BI	REGULAR	Yes
14 Troubled Debt Restructure Flag	This column indicates if said loan is	FCT_LOAN_ACCOUNT_SUMMARY	Troubled Debt Restructure Flag	Troubled Debt Restructure Flag	BI	REGULAR	Yes
15 Negative Amortization Flag	This column stores if loan has nega	FCT_LOAN_ACCOUNT_SUMMARY	Negative Amortization Flag	Negative Amortization Flag	BI	REGULAR	Yes
16 Cleared Transaction Flag	This columns stores if particular tra	FCT_REG_ACCOUNT_SUMMARY	Fleared Transaction Flag	Fleared Transaction Flag	BI	REGULAR	Yes
17 Mark To Market Value In Report	This stores the mark to market valu	FCT_REG_ACCOUNT_SUMMARY	N Mm Value-FRAS Hierarchy	Hierarchy Mtm Value-FRAS	BI	REGULAR	Yes
18 Broker Surrogate key	This stores unique identifier for the	FCT_DEPOSITS_BORROWINGS N	Broker Hierarchy Deposit Borowi	Broker Hierarchy Deposit Borowi	BI	REGULAR	Yes
19 Troubled Debt Restructure Flag	This column indicates if said loan is	FCT_LOAN_ACCOUNT_SUMMARY	Troubled Debt Restructure Flag	Troubled Debt Restructure Flag	BI	REGULAR	Yes
20 Mortgage Broker Surrogate Key	This stores unique identifier for the	FCT_LOAN_ACCOUNT_SUMMARY	Broker Skye Hierarchy	Broker Skye Hierarchy	BI	REGULAR	Yes
21 Claim Local Currency Code	Refers to the Local currency code	FCT_REG_ACCOUNT_SUMMARY	V Currency Code Comparison Hie	Currency Code Comparison Hie	BI	REGULAR	Yes
22 Cross Border Claim indicator	Indicates if said claim is cross bro	FCT_REG_ACCOUNT_SUMMARY	F Cross Border Claim Hierarchy	Cross Border Claim Hierarchy	BI	REGULAR	Yes
23 Transaction Account Flag	Indicates if said account is consider	FCT_DEPOSITS_BORROWINGS F	Trans Account Flag Hierarchy	Hierarchy for Trans Account Flag	BI	REGULAR	Yes
24 Deposit Call Exercised Indicator	This Column Stores the Deposit Ca	FCT_DEPOSITS_BORROWINGS F	Next Option Flag Deposit Borrow	Next Option Flag Deposit Borrow	BI	REGULAR	Yes
25 Troubled Debt Restructure Flag	This column indicates if said loan is	FCT_LOAN_ACCOUNT_SUMMARY	Troubled Debt Restructure Flag	Troubled Debt Restructure Flag	BI	REGULAR	Yes
26 Troubled Debt Restructure Flag	This column indicates if said loan is	FCT_LOAN_ACCOUNT_SUMMARY	Troubled Debt Restructure Flag	Troubled Debt Restructure Flag	BI	REGULAR	Yes
27 Negative Amortization Flag	This column stores if loan has nega	FCT_LOAN_ACCOUNT_SUMMARY	Negative Amortization Flag	Negative Amortization Flag	BI	REGULAR	Yes
28 Recourse to General Credit	This stores the recourse to general	FCT_REG_ACCOUNT_SUMMARY	F Recourse To General Credit Ind	Recourse To General Credit Ind	BI	REGULAR	Yes
29 Contractual Maturity in Days	This column stores the original mat	FCT_REG_ACCOUNT_SUMMARY	N Contractual Maturity Term Hiera	Contractual Maturity Term Hiera	BI	REGULAR	Yes
30 Nettable Pool Surrogate Key	This column stores the reference to	FCT_REG_ACCOUNT_SUMMARY	N Nettable Pool Surrogate Key	Nettable Pool Surrogate Key	BI	REGULAR	Yes
31 Broker Surrogate key	This stores unique identifier for the	FCT_DEPOSITS_BORROWINGS N	Broker Hierarchy Deposit Borowi	Broker Hierarchy Deposit Borowi	BI	REGULAR	Yes
32 Recourse to General Credit	This stores unique identifier for the	FCT_DEPOSITS_BORROWINGS N	Broker Hierarchy Deposit Borowi	Broker Hierarchy Deposit Borowi	BI	REGULAR	Yes
33 Deposit Call Exercised Indicator	This Column Stores the Deposit Ca	FCT_DEPOSITS_BORROWINGS F	Next Option Flag Deposit Borrow	Next Option Flag Deposit Borrow	BI	REGULAR	Yes
34 Deposit Listing Service Provider	This Column Stores the unique ide	FCT_DEPOSITS_BORROWINGS N	Deposit List Skye Hierarchy	Deposit List Skye Hierarchy	BI	REGULAR	Yes
35 Purchase Date Key	This column stores the date as a	FCT_LOAN_ACCOUNT_SUMMARY	N Association Date	Association Date	BI	DECLAD	Yes

Select **Data Lineage** in **Template Definition** → **Choose Object Type** to export the lineage details up to the Staging Columns level.

**NOTE** **Data Lineage** can be selected only if **Dependencies** option is selected. The minimum memory settings to run lineage reports should be export **JAVA\_OPTS="-Xms1024m -Xmx8192m"**.

**Template Definition**

< Back
Definition
Object Types
Filter Objects
Lineage Properties
Review
Next >

**Object Types**

Object Types

Choose Dashboard x

Export Options

Dependencies

Data Lineage

Save
Return

**NOTE** **Data Lineage** is generated as a separate sheet in the generated Relational report along with the **Dependencies**. Select the **Lineage** sheet to view the **Data Lineage** (up to Staging column level).

1	REPORT	SCHEDULE	VIEW	CELL ID	DERIVED ENTITY CODE	METADATA CODE	RESULT AREA TABLE	RESULT AREA COLUMN
2	FI04	FI0404	FI04-FI0404	FI0404R200C050	MANDATORY_SOURCE_COLUMN	MANDATORY_SOURCE_COLUMN	Mandatory Source Column	MANDATORY_SOURCE_COL
3	FI04	FI0403	FI04-FI0403	FI0403R170C010	MANDATORY_TARGET_COLUMN	MANDATORY_TARGET_COLUMN	FCT_COMMON_ACCOUNT_SUMMARY	N_MIS_DATE_SKEY
4	FI04	FI0404	FI04-FI0404	FI0404R170C020	MANDATORY_TARGET_COLUMN	MANDATORY_TARGET_COLUMN	FCT_COMMON_ACCOUNT_SUMMARY	N_MIS_DATE_SKEY
5	FI04	FI0404	FI04-FI0404	FI0404R030C050	DERR001	DSRR001	FCT_REG_ACCOUNT_SUMMARY	N_REG_PROD_TYPE_SKEY
6	FI04	FI0402	FI04-FI0402	FI0402R180C010	DERR501	DSRR501	FCT_REG_ACCOUNT_SUMMARY	N_STANDARD_PARTY_TYPE
7	FI04	FI0404	FI04-FI0404	FI0404R120C040	MANDATORY_TARGET_COLUMN	MANDATORY_TARGET_COLUMN	FCT_COMMON_ACCOUNT_SUMMARY	N_ACCT_SKEY
8	FI04	FI0404	FI04-FI0404	FI0404R020C050	MANDATORY_SOURCE_COLUMN	MANDATORY_SOURCE_COLUMN	Mandatory Source Column	MANDATORY_SOURCE_COL
9	FI04	FI0403	FI04-FI0403	DATASET_JOINS	MANDATORY_SOURCE_COLUMN	MANDATORY_SOURCE_COLUMN	Mandatory Source Column	MANDATORY_SOURCE_COL
10	FI04	FI0401	FI04-FI0401	FI0401R170C020	DERR501	DSRR501	FCT_REG_ACCOUNT_SUMMARY	N_STANDARD_PARTY_TYPE
11	FI04	FI0404	FI04-FI0404	FI0404R260C020	DERR501	DSRR501	FCT_REG_ACCOUNT_SUMMARY	N_REG_PROD_TYPE_SKEY
12	FI04	FI0404	FI04-FI0404	FI0404R220C010	DERR501	DSRR501	FCT_REG_ACCOUNT_SUMMARY	N_STANDARD_PARTY_TYPE
13	FI04	FI0404	FI04-FI0404	FI0404R190C030	DERR502	DSRR502	FCT_REG_ACCOUNT_SUMMARY	N_STANDARD_PARTY_TYPE
14	FI04	FI0404	FI04-FI0404	FI0404R160C020	DERR501	DSRR501	FCT_REG_ACCOUNT_SUMMARY	N_REG_PROD_TYPE_SKEY
15	FI04	FI0403	FI04-FI0403	FI0403R150C020	DERR501	DSRR501	FCT_REG_ACCOUNT_SUMMARY	N_REG_PROD_TYPE_SKEY
16	FI04	FI0404	FI04-FI0404	FI0404R060C040	DERR502	DSRR502	FCT_REG_ACCOUNT_SUMMARY	N_REG_PROD_TYPE_SKEY
17	FI04	FI0404	FI04-FI0404	FI0404R030C040	DERR502	DSRR502	FCT_REG_ACCOUNT_SUMMARY	N_REG_PROD_TYPE_SKEY
18	FI04	FI0404	FI04-FI0404	FI0404R110C010	MANDATORY_TARGET_COLUMN	MANDATORY_TARGET_COLUMN	FCT_REG_ACCOUNT_SUMMARY	N_RUN_SKEY

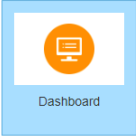
5. Select **Filter Objects** to see the selected objects.

**Template Definition**

< Back
Definition
Object Types
Filter Objects
Lineage Properties
Review
Next >

---

**Filter Objects**

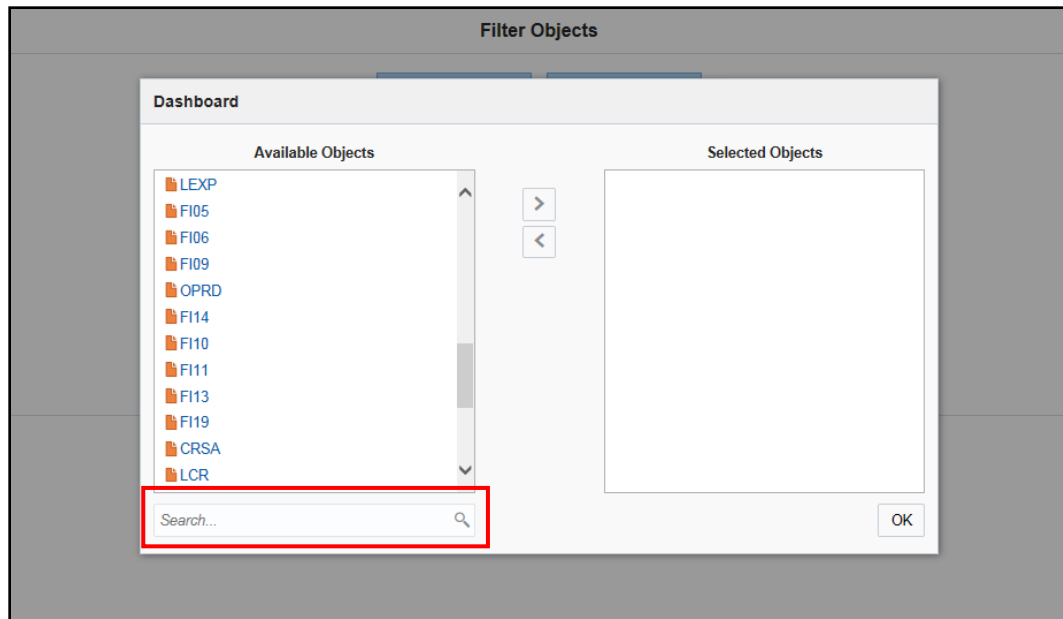


Dashboard

Save
Return

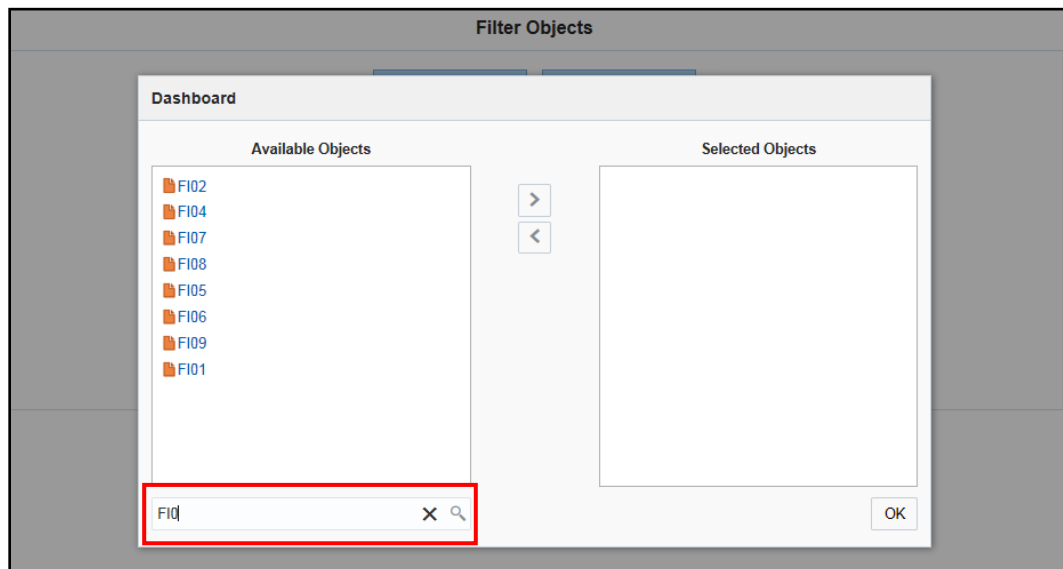
Select one **Filter Object** from the **Available Objects** and Click  to add a **Selected Object**.

Select one **Selected Object** from the **Available Objects** and click  to remove a **Filter Object**.

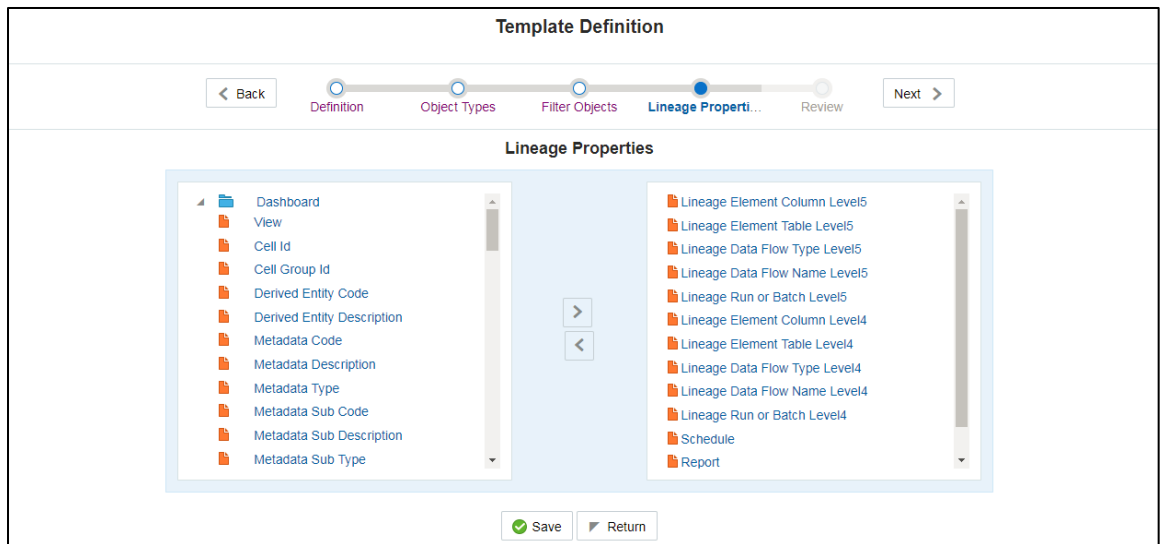


When the object list is huge, use the Search option as shown above. Type first three letters of the Filter Object name and the relevant Filter Objects are displayed.

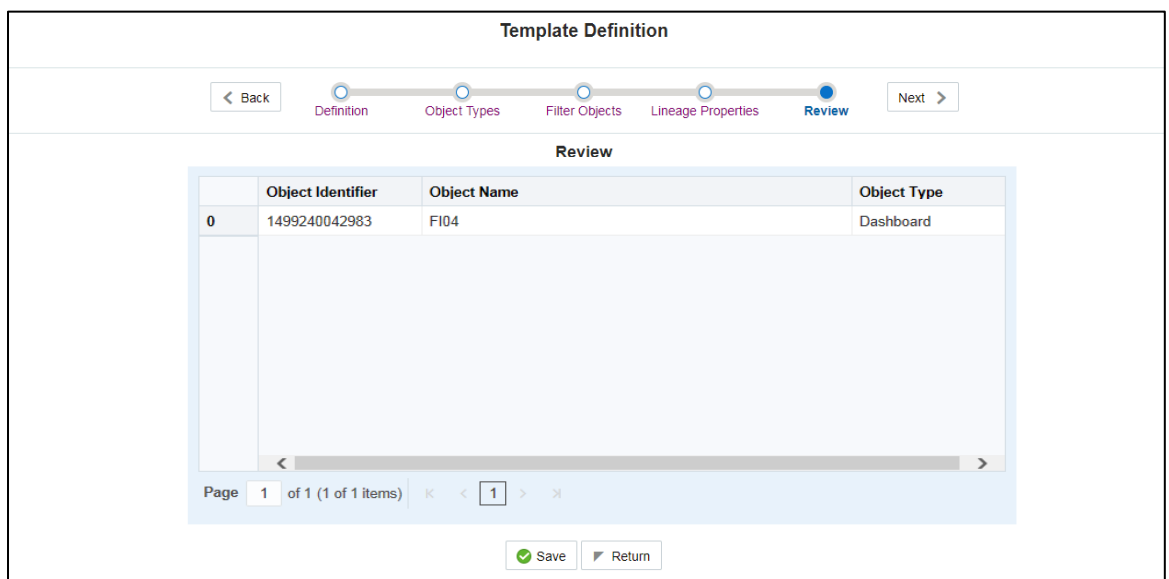
**NOTE** You can type the complete Filter Object name to select and add to the Selected Objects.



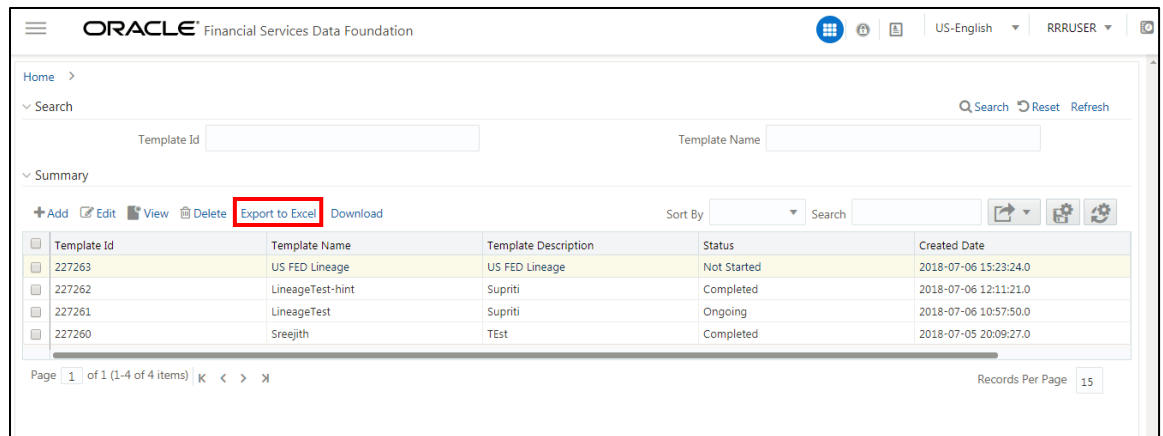
6. Select the **Lineage Properties** required to be generated.



7. Review the **Template Definition** once and click **Save**.



8. Click **Return** to go to the **Summary** page.

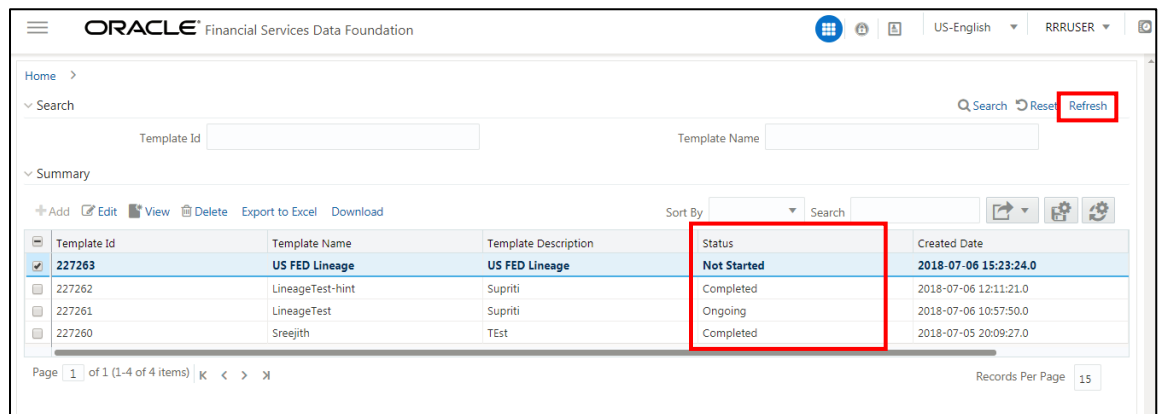


- Select a **Template** in the **Template List** in the **Summary** screen and click **Export to Excel** to export the desired objects in Excel Sheet format.

**NOTE**

MDB Publish must be triggered before executing the **Export to Excel** option.

- The Report Generation function is an asynchronous action and to check the status of the export function, use the **Refresh** option in the **Summary** screen.



- For Excel Export, the following are the Status values:
  - Not Started:** The Report Generation is yet to start, but the function has triggered the action in the background.
  - Ongoing:** The Report Generation is started and in process.
  - Completed:** The Report Generation is completed and ready to view or download.
  - Failed/Partially Completed:** The Report Generation encountered an issue and the process is partially completed or failed.

**NOTE** The export logs are generated and placed in the path **/Context\_Name/logs/MDb.log**.

Log files give the following information:

1. All Paths query
2. Query for each path and if data present for this path
3. Lineage query
4. Status of excel output creation
5. Exceptions and errors, if any

11. Select a **Template** in the **Template List** in **Summary** screen and click **Download** to save a copy of the generated Metadata Report Templates excel sheet, after the export status shows as completed.

The screenshot shows the Oracle Financial Services Data Foundation interface. At the top, there is a search bar with 'Template Id' and 'Template Name' fields. Below the search bar is a 'Summary' section containing a table of templates. The table has columns for Template Id, Template Name, Template Description, Status, and Created Date. The row with Template Id '227262' and Template Name 'LineageTest-hint' is selected, and its 'Download' button is highlighted with a red box. Other rows include '227263' (US FED Lineage), '227261' (LineageTest), and '227260' (Sreejith).

Template Id	Template Name	Template Description	Status	Created Date
227263	US FED Lineage	US FED Lineage	Not Started	2018-07-06 15:23:24.0
227262	LineageTest-hint	Supriti	Completed	2018-07-06 12:11:21.0
227261	LineageTest	Supriti	Ongoing	2018-07-06 10:57:50.0
227260	Sreejith	TEst	Completed	2018-07-05 20:09:27.0

### User Access

The following user groups are pre-seeded in the component that helps you to get access to the Metadata Report Extract screen.

- **MDR View Group:** Helps you to see Metadata Report Extract with View permissions.
- **MDR Owner Group:** Helps you to create templates in Metadata Report Extract.

## 7.4 View Metadata Report Templates

Perform the following steps to view the Metadata Report Templates:

1. Select a **Template** in the **Template List** in the **Summary** screen.
2. Click **View** icon to view the generated Metadata Report Templates excel report (after the export status shows as completed).

The screenshot shows the Oracle Financial Services Data Foundation interface. The 'Summary' section contains a table of metadata report templates. The 'View' icon for the selected template is highlighted in a red box.

Template Id	Template Name	Template Description	Status	Created Date
227263	US FED Lineage	US FED Lineage	Not Started	2018-07-06 15:23:24.0
227262	LineageTest-hint	Supriti	Completed	2018-07-06 12:11:21.0
227261	LineageTest	Supriti	Ongoing	2018-07-06 10:57:50.0
227260	Sreejith	TEst	Completed	2018-07-05 20:09:27.0

**NOTE**

- The Metadata Report Templates excel report is opened in view-only mode.

## 7.5 Modify/Edit Metadata Report Templates

Perform the following steps to edit or modify the Metadata Report Templates:

- Select a **Template** in the **Template List** in the **Summary** screen.
- Click **Edit** icon to modify the generated Metadata Report Templates excel report (after the export status shows as completed).

The screenshot shows the Oracle Financial Services Data Foundation interface. The 'Summary' section contains a table of metadata report templates. The 'Edit' icon for the selected template is highlighted in a red box.

Template Id	Template Name	Template Description	Status	Created Date
227263	US FED Lineage	US FED Lineage	Not Started	2018-07-06 15:23:24.0
227262	LineageTest-hint	Supriti	Completed	2018-07-06 12:11:21.0
227261	LineageTest	Supriti	Ongoing	2018-07-06 10:57:50.0
227260	Sreejith	TEst	Completed	2018-07-05 20:09:27.0

## 7.6 Delete Metadata Report Templates

Perform the following steps to delete the Metadata Report Templates:

- Select a **Template** in the **Template List** in the **Summary** screen.
- Click **Delete** icon to delete the **Metadata Report Templates**.



ORACLE Financial Services Data Foundation

Home >

Search  Search

Template Id  Template Name

Summary

Sort By  Search

Template Id	Template Name	Template Description	Status	Created Date
<input type="checkbox"/> 227263	US FED Lineage	US FED Lineage	Not Started	2018-07-06 15:23:24.0
<input checked="" type="checkbox"/> 227262	LineageTest-hint	Supriti	Completed	2018-07-06 12:11:21.0
<input type="checkbox"/> 227261	LineageTest	Supriti	Ongoing	2018-07-06 10:57:50.0
<input type="checkbox"/> 227260	Sreejith	TEst	Completed	2018-07-05 20:09:27.0

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# 8 Report Submission

This chapter provides an understanding of the report submission process. It includes:

[Report Submission: AgileREPORTER to Regulator](#)

[Edit Checks/ Validity Check/ Quality Checks](#)

[Report Templates to be used in AgileREPORTER](#)

## 8.1 Report Submission: AgileREPORTER to Regulator

After OFSAA has prepared and hands off the data as required to Lombard Risk, the subsequent activities are performed within the AgileREPORTER.

Lombard takes care of the report format as per the regulatory requirement which may be eXtensible Business Reporting Language (XBRL)/ XML/ Excel / Data/ XML and so on.

## 8.2 Edit Checks/ Validity Check/ Quality Checks

The OFSAA UI carries out the report level/submission check comprising Edit Checks / Validity Checks / Quality Checks as provided by the regulator.

### 8.2.1 Executing Edit Check Batch for AnaCredit CBM

To execute the edit check batch for AnaCredit CBM, perform the following steps:

1. Navigate to **Financial Services Data Foundation → Operations → Batch Execution**
2. Select the batch <<INFODOM>>\_ANACREDIT\_EDIT\_CHECK\_CBM to execute all the tasks in CBM.

Task ID	Task Description	Metadata Value	Component ID	Precedence	Task Status
Task1	DQ Group for - VW_ACCNT_FINCL_INSTMNT_CBM	VW_ACCNT_FINCL_INSTMNT_CBM	RUN DQ RULE		N
Task2	DQ Group for - VW_COUNTERPARTY_DEFAULT_CBM	VW_COUNTERPARTY_DEFAULT_CBM	RUN DQ RULE	Task1	N
Task3	DQ Group for - VW_COUNTERPARTY_INSTRUMENT_CBM	VW_COUNTERPARTY_INSTRUMENT_CBM	RUN DQ RULE	Task2	N
Task4	DQ Group for - VW_COUNTERPARTY_REFERENCE_CBM	VW_COUNTERPARTY_REFERENCE_CBM	RUN DQ RULE	Task3	N
Task5	DQ Group for - VW_INSTRUMENT_PROTECTION_CBM	VW_INSTRUMENT_PROTECTION_CBM	RUN DQ RULE	Task4	N
Task6	DQ Group for - VW_JOINT_LIABILITIES_CBM	VW_JOINT_LIABILITIES_CBM	RUN DQ RULE	Task5	N
Task7	DQ Group for - VW_PROTECTION_RECEIVED_CBM	VW_PROTECTION_RECEIVED_CBM	RUN DQ RULE	Task6	N
Task8	Populates Edit Check Summary for AnaCredit	Fn_Pop_Dq_Edit_Check_Results	TRANSFORM DATA	Task7	N

Figure 74: Edit Check (ANACREDIT CBM) Batch Execution Screen

3. Monitor the status of the batch using the **Batch Monitor (Financial Services Data Foundation → Operations → Batch Monitor)**.

Information Date: 20160930 | Monitor Refresh Rate (seconds): 5

Batch Run ID: FSDFINFO\_ANACREDIT\_EDIT\_CHECK\_CBM\_20160930\_1

Batch Run ID	Batch Status
FSDFINFO_ANACREDIT_EDIT_CHECK_CBM_20160930_1	Successful

Task ID	Task Description	Metadata Value	Component ID	Task Status	Task Log
Task1	DQ Group for - VW_ACCNT_FINCL_INSTMNT_CBM	VW_ACCNT_FINCL_INSTMNT_CBM	RUN DQ RULE	[13314] Successful	<a href="#">View Log</a>
Task2	DQ Group for - VW_COUNTERPARTY_DEFAULT_CBM	VW_COUNTERPARTY_DEFAULT_CBM	RUN DQ RULE	[13314] Successful	<a href="#">View Log</a>
Task3	DQ Group for - VW_COUNTERPARTY_INSTRUMENT_CBM	VW_COUNTERPARTY_INSTRUMENT_CBM	RUN DQ RULE	[13314] Successful	<a href="#">View Log</a>
Task4	DQ Group for - VW_COUNTERPARTY_REFERENCE_CBM	VW_COUNTERPARTY_REFERENCE_CBM	RUN DQ RULE	[13314] Successful	<a href="#">View Log</a>
Task5	DQ Group for - VW_INSTRUMENT_PROTECTION_CBM	VW_INSTRUMENT_PROTECTION_CBM	RUN DQ RULE	[13314] Successful	<a href="#">View Log</a>

Figure 75: Edit Check (ANACREDIT CBM) Batch Monitor Screen

## 8.2.2 Executing Edit Check Batch for AnaCredit ECB

To execute the edit check batch for AnaCredit ECB, perform the following steps:

1. Navigate to **Financial Services Data Foundation** → **Operations** → **Batch Execution**
2. Select the batch <<INFODOM>> **\_ANACREDIT\_EDIT\_CHECK\_ECB** to execute all the tasks in ECB.

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Task Details | Exclude/Include | Hold/Release

Task ID	Task Description	Metadata Value	Component ID	Precedence	Task Status
Task1	DQ Group for - VW_ACCNT_FINCL_INSTMNT	VW_ACCNT_FINCL_INSTMNT	RUN DQ RULE		N
Task2	DQ Group for - VW_COUNTERPARTY_DEFAULT	VW_COUNTERPARTY_DEFAULT	RUN DQ RULE	Task1	N
Task3	DQ Group for - VW_COUNTERPARTY_REFERENCE	VW_COUNTERPARTY_REFERENCE	RUN DQ RULE	Task2	N
Task4	DQ Group for - VW_PROTECTION_RECEIVED	VW_PROTECTION_RECEIVED	RUN DQ RULE	Task3	N
Task5	Populates Edit Check Summary for AnaCredit	Fn_Pop_Dq_Edit_Check_Results	TRANSFORM DATA	Task4	N

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Information Date: Date [ ] [ ] [ ]

Execute Batch

Figure 76: Edit Check (ANACREDIT ECB) Batch Execution Screen

3. Monitor the status of the batch using the **Batch Monitor (Financial Services Data Foundation → Operations → Batch Monitor)**.

<input type="checkbox"/>	FSDFINFO_ANACREDIT_EDIT_CHECK_CBM	Populates Edit Check Summary for ANACREDIT
<input checked="" type="checkbox"/>	FSDFINFO_ANACREDIT_EDIT_CHECK_ECB	Populates Edit Check Summary for ANACREDIT
<input type="checkbox"/>	FSDFINFO_ANACREDIT_SCD	ANACREDIT_SCD
<input type="checkbox"/>	FSDFINFO_DIM_ACCOUNT_SCD	SCD for DIM_ACCOUNT
<input type="checkbox"/>	FSDFINFO_MDB	Batch for MDB Publish
<input type="checkbox"/>	FSDFINFO_POP_DATA_ELEMENTS_EBA	Populates Data and Report Elements for EBA
<input type="checkbox"/>	FSDFINFO_POP_DATES_DIM	Populate DIM_DATES

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Batch Run Details Start Monitoring Stop Monitoring Reset

Information Date: 20160930 Monitor Refresh Rate (seconds): 5

Batch Run ID: FSDFINFO\_ANACREDIT\_EDIT\_CHECK\_ECB\_20160930\_1

Batch Status: Successful

Task ID	Task Description	Metadata Value	Component ID	Task Status	Task Log
Task1	DQ Group for - VW_ACCNT_FINCL_INSTMNT	VW_ACCNT_FINCL_INSTMNT	RUN DQ RULE	[13314] Successful	<a href="#">View Log</a>
Task2	DQ Group for - VW_COUNTERPARTY_DEFAULT	VW_COUNTERPARTY_DEFAULT	RUN DQ RULE	[13314] Successful	<a href="#">View Log</a>
Task3	DQ Group for - VW_COUNTERPARTY_REFERENCE	VW_COUNTERPARTY_REFERENCE	RUN DQ RULE	[13314] Successful	<a href="#">View Log</a>
Task4	DQ Group for - VW_PROTECTION_RECEIVED	VW_PROTECTION_RECEIVED	RUN DQ RULE	[13314] Successful	<a href="#">View Log</a>
Task5	Populates Edit Check Summary for AnaCredit	Fn_Pop_Dq_Edit_Check_Results	TRANSFORM DATA	[13314] Successful	<a href="#">View Log</a>

Figure 77: Edit Check (ANACREDIT ECB) Batch Monitor Screen

### 8.2.3 Edit Check Validation Results

The Edit Check Validation results will be available in the following tables under the ATOMIC SCHEMA after the batches are successfully executed:

1. **FSI\_EDIT\_CHECK\_SUMMARY**: Summary results

V_BATCH_ID	N_EDIT_CHECK_SKEY	V_DQ_CHECK_ID	RUN_STATUS	FAILED_ROWS	FIC_MIS_DATE	ENTITY
1	142	DQ_ANA_ACCNT_FINCL_MTC001_48	...	0	30-Sep-2016	...
2	143	DQ_ANA_ACCNT_FINCL_MTC001_49	E	63	30-Sep-2016	...
3	148	DQ_ANA_ACCNT_FINCL_MTC001_50	...	0	30-Sep-2016	...
4	149	DQ_ANA_ACCNT_FINCL_MTC001_51	...	0	30-Sep-2016	...
5	150	DQ_ANA_ACCNT_FINCL_MTC001_52	...	0	30-Sep-2016	...
6	151	DQ_ANA_ACCNT_FINCL_MTC001_53	...	0	30-Sep-2016	...
7	1	DQ_ANA_ACCNT_FINCL_MTC001_54	...	0	30-Sep-2016	...
8	2	DQ_ANA_ACCNT_FINCL_MTC001_55	...	0	30-Sep-2016	...
9	3	DQ_ANA_ACCNT_FINCL_MTC001_56	...	0	30-Sep-2016	...
10	4	DQ_ANA_ACCNT_FINCL_MTC001_57	...	0	30-Sep-2016	...
11	10	DQ_ANA_ACCNT_FINCL_MTC001_58	...	0	30-Sep-2016	...
12	30	DQ_ANA_ACCNT_FINCL_MTC001_59	...	0	30-Sep-2016	...
13	31	DQ_ANA_ACCNT_FINCL_MTC001_60	...	0	30-Sep-2016	...
14	32	DQ_ANA_ACCNT_FINCL_MTC001_61	...	0	30-Sep-2016	...
15	41	DQ_ANA_ACCNT_FINCL_MTC001_62	...	0	30-Sep-2016	...
16	42	DQ_ANA_ACCNT_FINCL_MTC001_63	E	58	30-Sep-2016	...
17	43	DQ_ANA_ACCNT_FINCL_MTC001_64	...	0	30-Sep-2016	...
18	44	DQ_ANA_ACCNT_FINCL_MTC001_65	E	1	30-Sep-2016	...
19	53	DQ_ANA_ACCNT_FINCL_MTC001_66	...	0	30-Sep-2016	...
20	54	DQ_ANA_ACCNT_FINCL_MTC001_67	...	0	30-Sep-2016	...
21	55	DQ_ANA_ACCNT_FINCL_MTC001_68	...	0	30-Sep-2016	...

2. DQ\_RESULT\_SUMM\_MASTER: Detailed results

	V_DQ_CHECK_ID	V_DQ_SRC_TBL	V_DQ_SRC_COL	N_R	N_I	V_ERR_VALUE	N_REC_FAIL_COUNT
1	DQ_ANA_ACCNT_FINCL_MTC001_4E	VW_ACCNT_FINCL_INSTMNT	CBM_RECOURSE	76	1		0
2	DQ_ANA_ACCNT_FINCL_MTC001_49	VW_ACCNT_FINCL_INSTMNT	CBM_REFERENCE_RATE	76	63		63
3	DQ_ANA_ACCNT_FINCL_MTC001_50	VW_ACCNT_FINCL_INSTMNT	SETTLEMENT_DATE	76	1		0
4	DQ_ANA_ACCNT_FINCL_MTC001_51	VW_ACCNT_FINCL_INSTMNT	CBM_SUBORDINATED_DEBT	76	1		0
5	DQ_ANA_ACCNT_FINCL_MTC001_52	VW_ACCNT_FINCL_INSTMNT	SYNDICATED_CONTRACT_IDENTIFIER	76	1		0
6	DQ_ANA_ACCNT_FINCL_MTC001_53	VW_ACCNT_FINCL_INSTMNT	CBM_REPAYMENT_RIGHTS	76	1		0
7	DQ_ANA_ACCNT_FINCL_MTC001_54	VW_ACCNT_FINCL_INSTMNT	FAIR_VALUE_CHANGES_DUE	76	1		0
8	DQ_ANA_ACCNT_FINCL_MTC001_55	VW_ACCNT_FINCL_INSTMNT	REPORTING_IDENTIFIER	76	1		0
9	DQ_ANA_ACCNT_FINCL_MTC001_56	VW_ACCNT_FINCL_INSTMNT	OBSERVED_IDENTIFIER	76	1		0
10	DQ_ANA_ACCNT_FINCL_MTC001_57	VW_ACCNT_FINCL_INSTMNT	CONTRACT_IDENTIFIER	76	1		0
11	DQ_ANA_ACCNT_FINCL_MTC001_58	VW_ACCNT_FINCL_INSTMNT	INSTRUMENT_IDENTIFIER	76	1		0
12	DQ_ANA_ACCNT_FINCL_MTC001_59	VW_ACCNT_FINCL_INSTMNT	INTEREST_RATE	76	1		0
13	DQ_ANA_ACCNT_FINCL_MTC001_60	VW_ACCNT_FINCL_INSTMNT	NEXT_INTEREST_RATE_RESET	76	1		0
14	DQ_ANA_ACCNT_FINCL_MTC001_61	VW_ACCNT_FINCL_INSTMNT	CBM_DEFAULT_STATUS_INSTMNT	76	1		0
15	DQ_ANA_ACCNT_FINCL_MTC001_62	VW_ACCNT_FINCL_INSTMNT	DATE_OF_THE_DEFAULT	76	1		0
16	DQ_ANA_ACCNT_FINCL_MTC001_63	VW_ACCNT_FINCL_INSTMNT	TRANSFERRED_AMOUNT	76	58		58
17	DQ_ANA_ACCNT_FINCL_MTC001_64	VW_ACCNT_FINCL_INSTMNT	ARREARS_FOR_INSTRUMENT	76	1		0
18	DQ_ANA_ACCNT_FINCL_MTC001_65	VW_ACCNT_FINCL_INSTMNT	DATE_OF_PAST_DUE	76	1		1
19	DQ_ANA_ACCNT_FINCL_MTC001_66	VW_ACCNT_FINCL_INSTMNT	CBM_TYPE_OF_SECURITISATION	76	1		0
20	DQ_ANA_ACCNT_FINCL_MTC001_67	VW_ACCNT_FINCL_INSTMNT	OUTSTANDING_NOMINAL	76	1		0
21	DQ_ANA_ACCNT_FINCL_MTC001_68	VW_ACCNT_FINCL_INSTMNT	ACCRUED_INTEREST	76	1		0

3. DQ\_AUDIT\_TRAIL: Record level details

	V_TABLE_NAME	V_COLUMN_NAME	DQ_CHECK_ID	T1	FAIL	ERR_MSG	V_CHECK_NAME
1			DQ_ANA_ACCNT_FINCL_MTC001_29			ORA-0000: normal, successful completion	INFO
2			DQ_ANA_ACCNT_FINCL_MTC001_29			ORA-0000: normal, successful completion	INFO
3			DQ_ANA_ACCNT_FINCL_MTC001_30			ORA-0000: normal, successful completion	STATUS
4	VW_ACCNT_FINCL_INSTMNT	CONTRACT_IDENTIFIER	DQ_ANA_ACCNT_FINCL_MTC001_30	7	0	ORA-0000: normal, successful completion	INFO
5			DQ_ANA_ACCNT_FINCL_MTC001_30			ORA-0000: normal, successful completion	INFO
6						ORA-0000: normal, successful completion	
7			DQ_ANA_ACCNT_FINCL_MTC001_30			ORA-0000: normal, successful completion	INFO
8			DQ_ANA_ACCNT_FINCL_MTC001_30			ORA-0000: normal, successful completion	INFO
9			DQ_ANA_ACCNT_FINCL_MTC001_31			ORA-0000: normal, successful completion	STATUS
10	VW_ACCNT_FINCL_INSTMNT	INSTRUMENT_IDENTIFIER	DQ_ANA_ACCNT_FINCL_MTC001_31	7	0	ORA-0000: normal, successful completion	INFO
11			DQ_ANA_ACCNT_FINCL_MTC001_31			ORA-0000: normal, successful completion	INFO
12						ORA-0000: normal, successful completion	
13			DQ_ANA_ACCNT_FINCL_MTC001_31			ORA-0000: normal, successful completion	INFO
14			DQ_ANA_ACCNT_FINCL_MTC001_31			ORA-0000: normal, successful completion	INFO
15			DQ_ANA_ACCNT_FINCL_MTC001_32			ORA-0000: normal, successful completion	STATUS
16	VW_ACCNT_FINCL_INSTMNT	CBM_TYPE_OF_INSTRUMENT	DQ_ANA_ACCNT_FINCL_MTC001_32	7	0	ORA-0000: normal, successful completion	INFO
17			DQ_ANA_ACCNT_FINCL_MTC001_32			ORA-0000: normal, successful completion	INFO
18						ORA-0000: normal, successful completion	
19			DQ_ANA_ACCNT_FINCL_MTC001_32			ORA-0000: normal, successful completion	INFO
20			DQ_ANA_ACCNT_FINCL_MTC001_32			ORA-0000: normal, successful completion	INFO
21			DQ_ANA_ACCNT_FINCL_MTC001_33			ORA-0000: normal, successful completion	STATUS

8.3 Report Templates to be used in AgileREPORTER

The report templates to be used in AgileREPORTER are listed as follows:

Report / Schedule Name	Report Template
AnaCredit Summary	ANACREDIT_v2
CMANR	CMANR_v2
CMT1M	CMT1M_v2
CMT2M	CMT2M_v2
CMT2Q	CMT2Q_v2
CRSA07A	CRSA_v6
CRSA07B	CRSA_v6
C1701C17001	OPRD_v2

Report / Schedule Name	Report Template
C1701C17004	OPRD_v2
C1702C17002	OPRD_v2
C1703C17003	OPRD_v2
C27GRP	LEXP_v4
C28GRP	LEXP_v4
C29	LEXP_v4
C30GRP	LEXP_v4
C31INDGP	LEXP_v4
C41	LR_v4
C43AA	LR_v4
C47	LR_v4
C72	LCR_v1
C73	LCR_v1
C74	LCR_v1
C75	LCR_v1
FI0101	FI01_v2
FI0102	FI01_v2
FI0103	FI01_v2
FI02	FI02_v3
FI03	FI03_v2
FI0401	FI04_v2
FI0402.1	FI04_v2
FI0402.2	FI04_v2
FI0403.1	FI04_v2
FI0404.1	FI04_v2
FI0405	FI04_v2
FI05	FI05_v2
FI06	FI06_v2
FI07	FI07_v3
FI0801	FI08_v2
FI0802	FI08_v2
FI0901	FI09_v2
FI0902	FI09_v2
FI10	FI10_v2

Report / Schedule Name	Report Template
FI1101	FI11_v2
FI1103	FI11_v2
FI1104	FI11_v2
FI1201	FI12_v3
FI1202	FI12_v3
FI1301	FI13_v2
FI1302	FI13_v2
FI1303	FI13_v2
FI14	FI14_v2
FI15	FI15_v2
FI1601	FI16_v4
FI1602	FI16_v4
FI1603	FI16_v4
FI1604	FI16_v4
FI1604.1	FI16_v4
FI1605	FI16_v4
FI1606	FI16_v4
FI1607	FI16_v4
FI1701	FI17_v2
FI1702	FI17_v2
FI1703	FI17_v2
FI18	FI18_v2
FI19	FI19_v2
FI2001	FI20_v3
FI2002	FI20_v3
FI2003	FI20_v3
FI2004	FI20_v3
FI2006	FI20_v3
FI2007.1	FI20_v3
FI21	FI21_v1
FI2201	FI22_v1
FI2202	FI22_v1
FI3001	FI30_v2
FI3002	FI30_v2

Report / Schedule Name	Report Template
FI3101	FI31_v2
FI3102	FI31_v2
F14001	FI40_v3
F14002	FI40_v3
FI4101	FI41_v2
FI4102	FI41_v2
FI42	FI42_v1
FI43	FI43_v2
FI4401	FI44_v1
FI4402	FI44_v1
FI4403	FI44_v1
FI4501	FI45_v2
FI4502	FI45_v2
FI4503	FI45_v2
FI46	FI46_v3
LCR1	LCR_v1
LR	LR_v4
LR4	LR_v4
MKEQ	MKEQ_v6
MKFX	MKFX_v8
NSF	NSF_v4
OPRS	OPRS_v1
CAR	CAR_v10
CRGB	CRGB_v8
SECA	LEXP_v4



## 8.4 Supported Report Template Version and Activation Date

The AgileREPORTER contains the details of the Report template version and the activation date of the same. This can be accessed by selecting the Entity setup option in the Settings menu which enables you to Add, Modify, and Delete Entities.

Regulator	ENTITY	RETURNS	VERSION	REFERENCE DATE	JOB STATUS	WORKFLOW STATUS	UPDATE	APPROVAL	EDITIONS	TRANSMISSION	MODIFIED
European Common Reporting	EU Entity 01	FI01	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		08/09/20
	EU Entity 01	FI02	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/20
	EU Entity 01	FI04	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		08/02/20
	EU Entity 01	FI05	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/20
	EU Entity 01	FI06	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/31/20
	EU Entity 01	FI07	2	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/20
	EU Entity 01	FI08	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/2017 20:06:47 SYS
	EU Entity 01	FI09	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/2017 18:23:26 SYS
	EU Entity 01	FI10	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/2017 18:24:37 SYS
	EU Entity 01	FI11	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/2017 18:29:13 SYS
	EU Entity 01	FI13	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/2017 20:08:23 SYS
	EU Entity 01	FI14	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/2017 20:10:12 SYS
	EU Entity 01	FI16	3	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/31/2017 10:55:45 SYS
	EU Entity 01	FI18	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/2017 20:01:58 SYS
	EU Entity 01	FI19	1	06/30/2016	🟢	🟢🟢🟢🟢	Update	(0/1) NOT ATTESTED	Manage Editions		07/30/2017 20:02:12 SYS

Figure 78: AgileREPORTER Entity Setup 1

Click on a created Entity to access report templates according to version and the activation date, and assign the necessary privileges as required.

Entity	Can be used for reporting?	Report Template	Activation Date	Action
US	<input checked="" type="checkbox"/>	FFIEC009A v1	06/14/2016	Assign privileges
	<input type="checkbox"/>	FFIEC009A v2	06/14/2016	Assign privileges
	<input type="checkbox"/>	FFIEC030 v3	06/14/2016	Assign privileges
	<input type="checkbox"/>	FFIEC031 v1	06/14/2016	Assign privileges
	<input type="checkbox"/>	FFIEC031 v2	06/14/2016	Assign privileges
	<input type="checkbox"/>	FFIEC031 v3	06/14/2016	Assign privileges
	<input checked="" type="checkbox"/>	FFIEC031 v4	06/14/2016	Assign privileges
	<input type="checkbox"/>	FFIEC031 v5	06/14/2016	Assign privileges
	<input type="checkbox"/>	FFIEC031 v6	06/14/2016	Assign privileges
	<input type="checkbox"/>	FFIEC041 v1	06/14/2016	Assign privileges
	<input type="checkbox"/>	FFIEC041 v2	06/14/2016	Assign privileges

Figure 79: AgileREPORTER Entity Setup 2

See the OFS AgileREPORTER Application User Guide for more details.

# 9 Maintenance

This chapter provides an understanding of the maintenance process for the regulatory templates.

Changes to the regulatory template are one of the most common and continuous activity. The following steps help to assess the impact (You can replace the measure, dimension for existing data warehousing configuration pack using the below process):

1. Choosing different execution as a final. After report verification, if the requirement is to change the execution, then you must visit Marking Run as Final section. After making these changes you must refresh Derived Entities (Executing Batch to Resave Derived Entities). Then AgileREPORTER also needs to retrieve returns so that revised data is reflected on AgileREPORTER.
2. If Executing Batch to Resave Derived Entities is not working, you can look for Batch Operation Log files. For file path, refer to OFS Analytical Applications Infrastructure Installation Manual in [OHC](#) documentation library and search for **ficdb/log**.
3. To apply the revised patch, refer to the **ReadMe** file for instructions to be followed.
4. To update the revised data warehouse configuration pack, perform the following instructions.
  - i. Click **Settings** → **Administration** → **Data Warehouse Integration**.

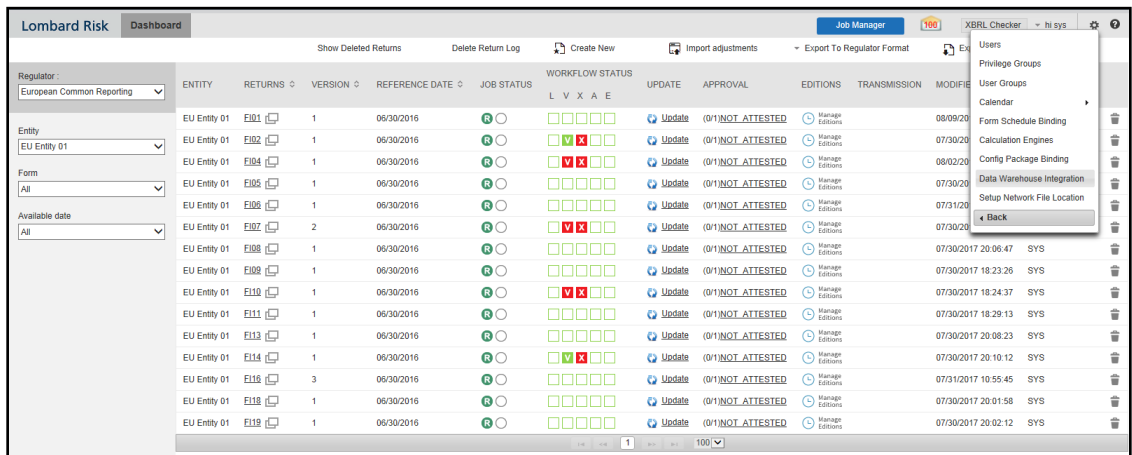


Figure 80: Data Warehouse Integration

- ii. Click Add to add a contextual button.
- iii. Enter details of the contextual button.

**Name:** It is the text that needs to be displayed in the contextual button.

**URL Pattern:** Replace <<OFSAA\_HOST>>, <<OFSAA\_PORT>> and <<OFSAA\_CONTEXT>> with host, port and web context of the environment where OFSAA is installed. Replace <<OFSAA\_HOST>> with the name of information domain.

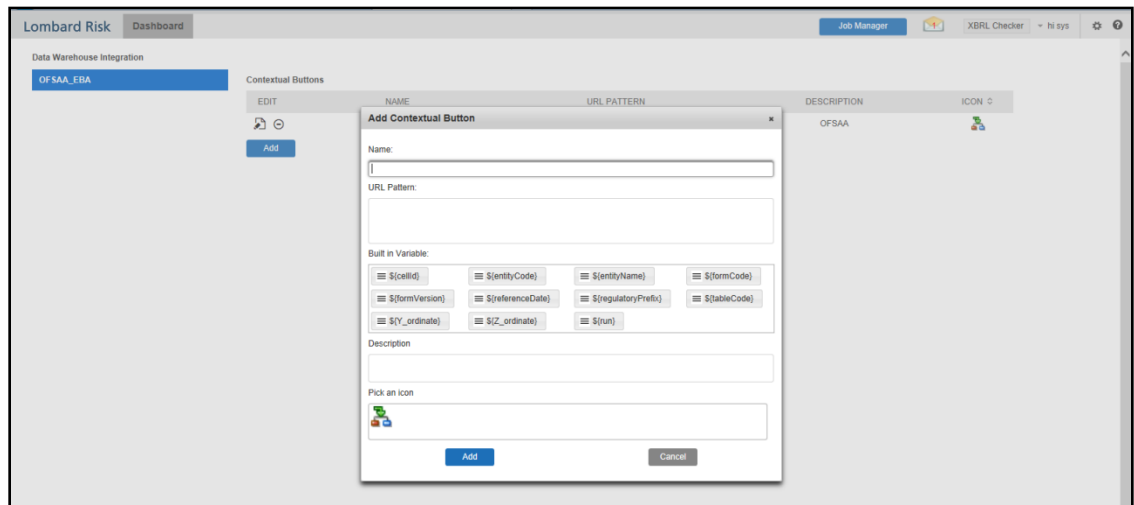
http://<<OFSAA\_HOST>>:<<OFSAA\_PORT>>/<<OFSAA\_CONTEXT>>/OFSAADrilldown/drilldownreport.jsp?cellid=\${cellId}&infodom=<<INFODOM>>&legalentity=\${entityCode}&run=\${run}&date=\${referenceDate}

Example:

http://127.0.0.1:8080/ofsaa/OFSAADrilldown/drilldown.jsp?cellid=\${cellId}&infodom=OFSFSDFINFO&legalentity=\${entityCode}&run=\${run}&date=\${referenceDate}

Use http or https depending on the protocol configured for OFSAA.

- iv. Select an icon.
- v. Click **Add** to save the details.



**Figure 81: Adding Contextual Button**

5. After the data ware configuration pack is updated, the Lombard Configuration pack must reflect this.

**NOTE** Refer to AgileREPORTER user documentation for details.

## 10 Troubleshooting Guidelines

This section covers troubleshooting guidelines for the users of Oracle Financial Services Regulatory Reporting Integration with AgileREPORTER, hereafter called Integration.

Integration users provide the data inputs through the OFSDF where data is loaded, processed and results are made available for reporting purposes. The integration package then makes this data available in required formats to AgileREPORTER. In AgileREPORTER, this data is then aggregated according to the reporting requirements and end-users view this from AgileREPORTER User Interfaces designed for the Viewing / Editing of this aggregated data.

This section provides detailed guidelines on how to troubleshoot the data issues tracing back the data flow from AgileREPORTER.

### 10.1 Prerequisites

It is assumed that you can log in and see the following menus and respective reports in AgileREPORTER.

Regulator :	ENTITY	RETURNS	VERSION	REFERENCE DATE	JOB STATUS	WORKFLOW STATUS	UPDATE	APPROVAL	EDITIONS	TRANSMISSION	MODIFIED	MODIFIED BY
European Common Reporting	EU Entity 01	FI01	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		08/09/2017 14:51:43	SYS
	EU Entity 01	FI02	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 20:08:46	SYS
	EU Entity 01	FI04	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		08/02/2017 17:00:25	SYS
	EU Entity 01	FI05	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 18:25:34	SYS
	EU Entity 01	FI06	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/31/2017 10:54:21	SYS
	EU Entity 01	FI07	2	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 18:26:35	SYS
	EU Entity 01	FI08	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 20:06:47	SYS
	EU Entity 01	FI09	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 18:23:26	SYS
	EU Entity 01	FI10	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 18:24:37	SYS
	EU Entity 01	FI11	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 18:29:13	SYS
	EU Entity 01	FI13	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 20:08:23	SYS
	EU Entity 01	FI14	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 20:10:12	SYS
	EU Entity 01	FI16	3	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/31/2017 10:55:45	SYS
	EU Entity 01	FI18	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 20:01:58	SYS
	EU Entity 01	FI19	1	06/30/2016	R	L V X A E	Update	0/1 NOT ATTESTED	Manage Editions		07/30/2017 20:02:12	SYS

Figure 82: AgileREPORTER

This means configurations activities for the AgileREPORTER and OFSAA are completed. Set up activities for Entity is done and reports templates, as shown above, are available for viewing. Report Names shown in the figure are for illustration purpose and the actual name depends on the integration pack licensed.

### 10.2 Troubleshooting Use Cases

#### 10.2.1 Unable to Generate Report

If you are unable to generate reports, meaning none of the derived entities referred to in the report has rows for the LE/date combination, then you must refer to Installation Manuals of AgileREPORTER or OFSAA Integration pack for further instructions and steps to be followed.

If the process mentioned in Installation Manual is correctly followed and still report list is not available then you are requested to log in the bug/service request with Lombard Risk.

## 10.2.2 Data Unavailable in AgileREPORTER

This is a use case where you are logged in to AgileREPORTER and selected particular regulatory reports for an appropriate entity and As of Date, but unable to generate the report.

### 10.2.2.1 Fetching Null or Zero Values

AgileREPORTER is showing either Zero or Null values. It indicates that Derived Entities has data (however, all required filer conditions are not matching and resulting in zero value output) or Derived Entity does not have data at all.

**C 27.00 - Identification of the counterparty (LE 1)**

Code	Name	LEI code	Residence of the counterparty	Sector of the counterparty	NACE code	Type of counterparty
010	020	030	040	050	060	070
1	021	Esparmbasse S299000502904UK		Banks	NULL	
2	015	Alter (UK) Ltd	543300C729624UK	Banks	NULL	NULL
3	016	Procter Trading UK	443300N000000000UK	Banks	NULL	NULL
4	017	Academy (UK)	543300P484419UK	Community Development	NULL	NULL
5	018	Apn UK Limited	448400D0810244UK	Banks	NULL	NULL
6	019	JT (UK) Manager	543300B5339P2UK	Sovereign	NULL	NULL
7	020	Ardora Markets	543300K200000000UK	Banks	NULL	NULL
8	021	P&S UK Ltd	543300Q000000000UK	Sovereign	NULL	NULL
9	022	CataChem UK Pres	54330045L024VUK	Banks	NULL	NULL
10	023	Cadix Holdings (U)	54330097800000UK	Banks	NULL	NULL
11	024	Life investment	54330020000000UK	Corporate	NULL	NULL
12	025	Crack UK Limited	5433005L2F2000UK	Community Development	NULL	NULL
13	026	Pinnacle Investme	543300G1980000UK	Banks	NULL	NULL
14	027	DRH France (U)	543300M0200000UK	Multilateral Development	NULL	NULL
15	028	Huawei (U) S.L	54330001888000UK	Multilateral Development	NULL	NULL
16	029	Baytree UK Prods	54330078800000UK	Multilateral Development	NULL	NULL
17	030	Dinex Trading (E)	543300847C4040UK	Multilateral Development	NULL	NULL
18	031	EdBank (UK) Pres	543300Z3000000UK	Corporate	NULL	NULL
19	032	Large UK Pres	54330064000000UK	Corporate	NULL	NULL
20	033	Appla (UK) Limite	543300K0000000UK	Public Sector Enterprise	NULL	NULL

Figure 83: Fetching Null Values

**C 31.00 - Maturity buckets of the exposures**

	Greater than 11 months up to 12 Months	Greater than 12 months up to 15 Months	Greater than 15 months up to 18 Months	Greater than 18 months up to 21 Months	Greater than 21 months up to 24 Months	Greater than 24 months up to 27 Months	Greater than 27 months up to 30 Months	Greater than 30 months up to 33 Months	Greater than 33 months up to 36 Months	Greater than 3 years up to 5 years	Greater than 5 years up to 10 years	Greater than 10 years	Undefined maturity
	140	150	160	170	180	190	200	210	220	230	240	250	260
1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	22,497	25,188	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	7,070	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	-100	0	0	0	0	0	0	0	0	0
14	0	0	0	3,918	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0

Figure 84: Fetching Zero Values

You must validate as:

1. Derived Entity has data:
  - a. Execute the Derived Entity / Materialized views to check if Derived Entity has data or not.

- b. If Derived Entity / materialized view has data but not showing in AgileREPORTER, you must log a Bug / Service Request with Lombard Risk.
2. Derived Entity does not have data:
    - a. Execute the Derived Entity / Materialized views to check if Derived Entity has data or not.
    - b. If Derived Entity does not have data, then check the Business Metadata excel for a given schedule.
    - c. Check Worksheet titled 'Derived Entity' in Business Metadata excel. Get all the derived entities for a given schedule.
    - d. Get dataset for each derived entity.
    - e. Execute datasets in OFSAA FSDf Atomic Schema to check if data is available for a given dataset joins.
    - f. If data is available in dataset queries, you must log a Bug / Service Request with AgileREPORTER.
    - g. If data is not available in the dataset, then check if the selection of Entity, Available Date (as of date) is appropriate and required executions are available. If Entity, As of Date and Run executions are correct and still data is not available, then you must log a Bug / Service Request with [Oracle Support](#).

### 10.2.3 Data Available in AgileREPORTER but Not as Expected

This use case where you are able to reference data for a required cell of a schedule in AgileREPORTER; however, the value shown differs from the expected value.

Let us take the following example to illustrate the steps to be followed. This refers to Schedule 4.1 from the FI04 report of EBA. Particular cell referred here is FI0401R070C020:

060 Debt Securities:

070 Central banks

	References	Carrying amount		Accumulated changes in fair value due to credit risk	
		010	020	010	020
010	Equity instruments	IAS 32.11	350,049		
020	of which: at cost	IAS 39.46(c)	137,821		
030	of which: credit institutions	Annex V, Part 1.35(c)	12,775		
040	of which: other financial corporations	Annex V, Part 1.35(d)	7,783		
050	of which: non-financial corporations	Annex V, Part 1.35(e)	132,188		
060	Debt securities	Annex V, Part 1.24, 26	1,870,028		127,220
070	Central banks	Annex V, Part 1.35(a)	218,358		7,480
080	General governments	Annex V, Part 1.35(b)	369,748		34,359
090	Credit institutions	Annex V, Part 1.35(c)	308,284		20,672
100	Other financial corporations	Annex V, Part 1.35(d)	171,918		9,111
110	Non-financial corporations	Annex V, Part 1.35(e)	801,119		55,597
120	Loans and advances	Annex V, Part 1.24, 27	1,162,606		97,808
130	Central banks	Annex V, Part 1.35(a)	166,302		13,249
140	General governments	Annex V, Part 1.35(b)	151,304		14,448
150	Credit institutions	Annex V, Part 1.35(c)	195,865		15,391
160	Other financial corporations	Annex V, Part 1.35(d)	55,082		4,736
170	Non-financial corporations	Annex V, Part 1.35(e)	473,414		41,609
180	Households	Annex V, Part 1.35(f)	120,639		8,376

Figure 85: Schedule 4.1 from FI04 Report

You can drill-down for each cell to check the details of data as to what is included in the aggregation. To drill-down, click the value of a particular cell and it is shown highlighted. It shows the OFSAA data lineage icon on clicking as shown in Figure 86.

The screenshot shows the 'Lombard Risk' report for 'EU Entity 01' as of '05/30/2016'. The table displays 'Financial assets held for trading' with columns for 'References', 'Carrying amount', and 'Accumulated changes in fair value due to credit risk'. A cell with the value '7479.751112' is highlighted, and a 'direct cell edit' dialog box is open over it. An OFSAA data lineage icon is visible next to the cell.

	References	Carrying amount	Accumulated changes in fair value due to credit risk
010	IAS 32.11	350,049	020
020	IAS 39.48(c)	137,821	
030	Annex V, Part 1.35(c)	12,775	
040	Annex V, Part 1.35(c)	7,783	
050	Annex V, Part 1.35(c)	132,188	
060	Annex V, Part 1.24, 26	1,879,829	126,001
070	Annex V, Part 1.35(a)	218,959	
080	Annex V, Part 1.35(b)	369,748	34,219
090	Annex V, Part 1.35(c)	308,284	20,485
100	Annex V, Part 1.35(d)	171,918	8,993
110	Annex V, Part 1.35(e)	801,119	55,105
120	Annex V, Part 1.24, 27	1,162,696	92,369
130	Annex V, Part 1.35(a)	166,302	12,334
140	Annex V, Part 1.35(b)	151,304	13,815
150	Annex V, Part 1.35(c)	195,865	14,500
160	Annex V, Part 1.35(d)	55,082	4,267
170	Annex V, Part 1.35(e)	473,414	39,780
180	Annex V, Part 1.35(f)	120,639	7,673

Figure 86: Data Lineage OFSAA Icon

Make sure that you are logged into OFSAA infrastructure before clicking the Data Lineage icon.

- If you are not already logged in, clicking here opens the OFSAA infrastructure login window. Log in using appropriate credentials and come back to Report Portal and click the same Data Lineage icon again.
- If you are already logged in to OFSAA Infrastructure, the Data Lineage first page opens as shown in Figure 87.

The screenshot shows the 'Data Lineage' drill-down interface. It displays a table with columns for various flags and indicators. The table is titled 'Data Lineage' and shows details for 'Run Execution ID: 1', 'Date: 30 Jun 2016', 'Legal Entity: EU Entity 01', and 'Reference Identifier: F10401R070C020'. The table contains multiple rows of data with various flags and indicators.

Run Execution ID	Date	Legal Entity	Reference Identifier
1	30 Jun 2016	EU Entity 01	F10401R070C020

Derived Entity : DE_IFRS Account Summary (15)									
Red Flag	Seniority Flag	Over The Counter Indicator	Buy or Sell Flag	Senior Claim Flag	Instrument Contract Indicator	Regulatory Credit Status Code	Trading Account Book Type Code	Hedge Type	Cumulative change in FV due to credit risk BCY
N	S	N	N	NS					
N	S	N	N				TRLIADER		
N	S	N	N				TRLIADER		2,267,544.72
N	S	N	N			S			253,756.79
N	B	Y							
N	B	N					TRLIADER		4,419,823.88
N	B	N					TRLIADER		
N	S	Y							
N	S	N							
N	S	Y				S			287,298.18
N	B	N							
N	B	N							
N	S	N				S			
N	S	N							
N	S	N					TRLIADER		
N	B	Y				NS			

Figure 87: AgileREPORTER Drill-down

The top block of this screen shows the following information which helps to connect the AgileREPORTER aggregated data to OFSAA references.

1. **Run Execution ID:** This refers to the OFSAA Execution ID chosen for a given report.
2. **Date:** This refers to AS OF DATE selected for a given report.
3. **Legal Entity:** This refers to the OFSAA Legal Entity for whom the report is generated.
4. **Reference Identifier:** This is the cell reference for which data drill-down / lineage is being checked.

The second block displays all hierarchies with values used in a given Derived Entity and measures aggregated for a given combination of hierarchy values.

To refer the measure values, scroll rightwards using the horizontal scroll bar at bottom of the second block. On the extreme right, measures are displayed as shown in Figure 88:

Red Flag	Seniority Flag	Over The Counter Indicator	Buy or Sell Flag	Senior Claim Flag	Instrument Contract Indicator	Regulatory Credit Status Code	Trading Account Book Type Code	Hedge Type	Cumulative change in EV due to credit risk RCY
N		S	N			NS			
N		S	N				TRLADER		
N		S	N				TRLADER		2,257,544.72
N		S	N			S			253,755.79
N		B	Y						
N		B	N				TRLADER		4,419,623.68
N		B	N				TRLADER		
N		S	Y						
N		S	N						
N		S	Y			S			267,288.16
N		B	N						
N		B	N						
N		S	N			S			
N		S	N				TRLADER		
N		B	Y			NS			

**Figure 88: Measure Values**

Only measure values are hyperlinked indicating that they can be drilled down further. On clicking the amount, second-level drill-down shows the lowest granularity data available for a given cell reference.

### 10.2.3.1 Using Drill-down with Data Lineage View

Data Analysts/You can then compare these accounts and their respective monetary amounts with expected values. One can check the following:

1. All required accounts are shown in aggregation
2. Unwanted accounts are not included in the aggregation
3. Measures / Monetary amounts at account granularity are as expected.

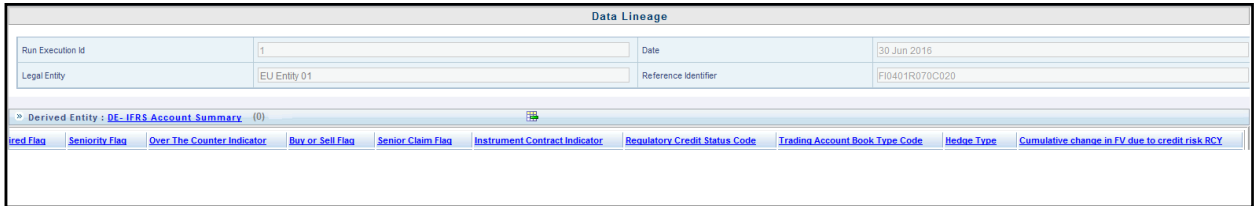
Any deviation from expectations can be then checked back for:

1. If the measure is stage pass through, then validate using T2T to verify if stage data is as expected or must be corrected.
2. If the measure is processed, then validate using T2T to verify processing measure is correctly moved to the result area.
3. If reclassified hierarchies are showing unexpected values, check Rules and source hierarchies of rules. This use case needs close verification to ensure that all source hierarchies have required values or Rule sequence which can lead to overwriting the values.
4. If all the source data is as expected and the result area is now showing unexpected output, then log a Bug / Service Request with [Oracle Support Services](#).



### 10.2.3.2 Data Lineage View is not available

If the second block does not show any data, then data analysts/you are advised to refer to the data set worksheet of Business Metadata.



**Figure 89: Data Lineage Unavailable**

There can be a few reasons why the second block does not show the data:

1. Internet connection is timed out or broken down - in this case clicking Data Lineage on AgileREPORTER results in a blank second block. To rectify this, re-login to OFSAA infrastructure and AgileREPORTER.
2. Data Lineage view works after Metadata is published using OFSAA Infrastructure. To validate if Metadata is properly published or not.
3. If Metadata is properly published and the second block still does not show the data, then start with Derived Entity code shown at the beginning of the second block. This Derived Entity code is available even if data is not available.
4. Using this Derived Entity code data analysts are advised to refer to OFSAA Business metadata with worksheet name as 'Derived Entity'. Sample Business Metadata excel is shown in Figure 90:

Derived Entity Code	Short Description	Long Description	Source Type	Aggregate	Materialised View	Dataset Code	Dataset Name	Selected Metadata
120 DSR002	DE - Management Reporting YTD Movement	DE - Management Reporting YTD Movement	Dataset	Y	Y	DSR002	DE - Management Reporting YTD Movement	Reporting Line Code Consolidation Code Entity Country ID Org Structure Entity Code Calendar Date Run Description Branch BSR Code Movement RCY
125 DSR003	DE - Management Reporting QTD Movement	DE - Management Reporting QTD Movement	Dataset	Y	Y	DSR003	DE - Management Reporting QTD Movement	Reporting Line Code Consolidation Code Entity Country ID Org Structure Entity Code Calendar Date Run Description Movement RCY Consolidation Name Branch BSR Code
138 DSR004	DE - Management Reporting MTD Movement	DE - Management Reporting MTD Movement	Dataset	Y	Y	DSR004	DE - Management Reporting MTD Movement	Reporting Line Code Consolidation Code Entity Country ID Org Structure Entity Code Calendar Date Run Description Eop Balance RCY Movement RCY Branch BSR Code
147 DSR005	DE - Reg Account YTD Metrics	DE - Reg Account YTD Metrics	Dataset	Y	Y	DSR005	DE - Reg Account YTD Metrics	Regulatory Deposit Type Group Code Regulatory Deposit Type Code Entity Country ID Org Structure Entity Code Calendar Date Run Description Eop Interest amount RCY
154 DSR006	DE - Bar Account QTD Metrics	DE - Bar Account QTD Metrics	Dataset	Y	Y	DSR006	DE - Bar Account QTD Metrics	Regulatory Deposit Type Group Code

**Figure 90: Business Metadata-1**

5. By referring to Business Metadata, you can get complete information on Derived Entity such as dataset, Fact tables, measures, hierarchies defined under particular Derived Entity.

1	Source Type	Aggregate	Materialised View	Dataset Code	Dataset Name	Selected Metadata	Selected Metadata Code
120	Dataset	Y	Y	DSRR002	D5 - Management Reporting YTD Movement	Reporting Line Code	HRR004
121						Consolidation Code	HRR003
122						Entity Country ID	HRR006
123						Org Structure Entity Code	HIREG004
124						Calendar Date	HIREG001
125						Run Description	HIREG002
126						Branch BSR Code	HRR009
127						Movement RCY	MRR002
128	Dataset	Y	Y	DSRR003	D5 - Management Reporting QTD Movement	Reporting Line Code	HRR004
129						Consolidation Code	HRR003
130						Entity Country ID	HRR006
131						Org Structure Entity Code	HIREG004
132						Calendar Date	HIREG001
133						Run Description	HIREG002
134						Movement RCY	MRR002
135						Consolidation Name	HRR010
136						Branch BSR Code	HRR009
137						Reporting Line Code	HRR004
138	Dataset	Y	Y	DSRR004	D5 - Management Reporting MTD Movement	Consolidation Code	HRR003
139						Entity Country ID	HRR006
140						Org Structure Entity Code	HIREG004
141						Calendar Date	HIREG001
142						Run Description	HIREG002
143						Cap Balance RCY	MRR001
144						Movement RCY	MRR002
145						Branch BSR Code	HRR009
146						Reporting Line Code	HRR004
147	Dataset	Y	Y	DSRR005	D5 - Reg Account YTD Metrics	Regulatory Deposit Type Group Code	HRR007
148						Regulatory Deposit Type Code	HRR034
149						Entity Country ID	HRR006
150						Org Structure Entity Code	HIREG004
151						Calendar Date	HIREG001
152						Run Description	HIREG002
153						Eqp Interest Amount RCY	MRR003
154	Dataset	Y	Y	DSRR006	D5 - Raw Account QTD Metrics	Regulatory Deposit Type Group Code	HRR007

Figure 91: Business Metadata-2

The Dataset ANSI Joins provides valuable information on how various entities are joined/linked together. By executing these Joins, you can confirm if data is available for given filters and conditions. If data is fetched using Dataset Joins and Data Lineage does not show data, you must log a Bug / Service Request with [Oracle Support](#).

**OFSAAI Support Contact Details**

Raise an SR in [My Oracle Support \(MOS\)](#) if you have any queries related to EPM, ERM, and FCCM applications.

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

If you find any errors or have any other suggestions for improvement, indicate the title and part number of the documentation along with the chapter/section/page number (if available) and contact the Oracle Support.

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