

**Oracle Financial Services Regulatory
Reporting for Office of Superintendent
of Financial Institutions Canada (OFS
REG REP OSFI)**

User Guide

Release 8.1.2.0.0

August 2024

ORACLE
Financial Services

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1 Preface

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.

Topics:

- [What is New in this Release for OFS REG REP OSFI](#)
- [Scope of the Guide](#)
- [Intended Audience](#)
- [Access to Oracle Support](#)
- [Related Information Sources](#)
- [How this Guide is Organized](#)
- [Conventions Used](#)

1.1 What is New in this Release for OFS REG REP OSFI

This section lists new features and changes in OFS REG REP OSFI Release v8.1.2.0.0.

1.1.1 New Features

1.1.1.1 New Features in 8.1.2.6.0

- [Automatic Report Publish](#)
- [Drilldown enhancements](#)
- Adjustment enhancements
- The following reports are introduced in this release:

Report Name	Schedule Name or Description
RESL	Real Estate Secured Lending
B20	Residential Mortgage Underwriting Practices and Procedures Disclosure

1.1.1.2 New Features in 8.1.2.5.0

The following reports are added in 8.1.2.5.0 release:

Report Name	Schedule Name or Description
A2	Non-Mortgage Loans
A3	Trading Income and Income from GoC Securities Trading
C1	Charge for Impairment

1.1.1.3 New Features in 8.1.2.4.0

The following reports are added in 8.1.2.4.0 release:

Report Name	Schedule Name or Description
P3	Income Statement
C3	Allowance Continuity
E3	Allowances for Expected Credit Losses
K4	Deposit Liabilities

1.1.1.4 New Features in 8.1.2.3.0

The new features introduced in this release is a New OSFI Menu to access Regulatory Reports ([Report Mappings](#) and [Report Publish](#)). The following reports are added in 8.1.2.3.0 release:

Report Name	Schedule Name or Description
E2	Mortgage Loans
N3	Loans in Arrears
J2	Home Equity Lines of Credit (HELOCs) Report
A4	Report on New Lending
B2	Securities

1.1.1.5 Deprecated Features

There are no deprecated features in this release.

1.1.1.6 Desupported Features

There are no desupported features in this release.

1.2 Scope of the Guide

The objective of this user guide is to provide comprehensive working knowledge on Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions, Canada (OFS REG REP OSFI), Release 8.1.2.0.0. This user guide is intended to help you understand the key features and functionalities of Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions, Canada release 8.1.2.0.0 and details the process flow and methodologies used.

1.3 Intended Audience

Welcome to Release 8.1.2.0.0 of the Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions, Canada (OFS REG REP OSFI) User Guide.

This guide is intended for:

- Regulatory Reporting Analyst responsible to verify and submit the results, maintain the dimensional values across multiple reporting requirements, and preserve the results area structure of the Oracle Financial Services Data Foundation.
- Data Analyst 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.

1.4 Access to Oracle Support

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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 see the following documents in the [OHC](#) Documentation Library:

- *Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions, Canada (OFS REG REP OSFI) Installation Manual Release 8.1.2.5.0*
- *Oracle Financial Services Data Foundation User Guide Release 8.1.2.0.0*
- *Oracle Financial Services Data Foundation Installation Manual Release 8.1.2.5.0*
- *Oracle Financial Services Analytical Applications Infrastructure User Guide Release 8.1.2.0.0*

1.6 How this guide is Organized

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

- [Chapter 2: Introduction](#)
- [Chapter 3: Getting Started](#)
- [Chapter 4: List of Configured OSFI Reports](#)
- [Chapter 5: Dimension Reclassification Tables](#)
- [Chapter 6: Regulatory Reporting Solution Data Flow](#)
- [Chapter 7: OFSAA Features](#)
- [Chapter 8: Executing Run through Process Modelling Framework in OFS REG REP OSFI](#)
- [Chapter 9: Regulatory Reports](#)

- [Chapter 10: Metadata Browser](#)

1.7 Conventions Used

The following table lists the conventions used in this guide.

Table 1: Conventions Used in this Guide

Conventions	Description
References to sections or chapters in the manual are indicated in <i>Italics</i> . Screen names are indicated in the following manner: Introduction Screen Options and buttons are indicated in Bold . Code related text is indicated in Monospace.	
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
OFS AAAI	Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack
RHEL	Red Hat Enterprise Linux
Atomic Schema	Database Schema where the Application Data Model is uploaded
Config Schema	Database Schema which contains setup related configurations and metadata
OFS REG REP OSFI	Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions, Canada

2 Introduction

This chapter provides an understanding of the OFS REG REP OSFI Application and its scope.

Topics:

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

2.1 Overview

The Office of the Superintendent of Financial Institutions (OSFI) is an independent agency of the Government of Canada, established in 1987 to contribute to the safety and soundness of the Canadian financial system. OSFI supervises and regulates federally registered banks and insurers, trust and loan companies, as well as private pension plans subject to federal oversight. It provides a regulatory framework of guidance and rules that meets or exceeds international minimums for financial institutions.

In addition to issuing guidance, OSFI provides input into the development of federal legislation and regulations affecting federally regulated financial institutions (FRFIs), and comments on accounting, auditing, and actuarial standards development, and determines how to incorporate them into our regulatory framework. It regulates by developing rules, interpreting legislation and regulations, and providing regulatory approvals types of transactions. It also contributes to new accounting, auditing, and actuarial standards.

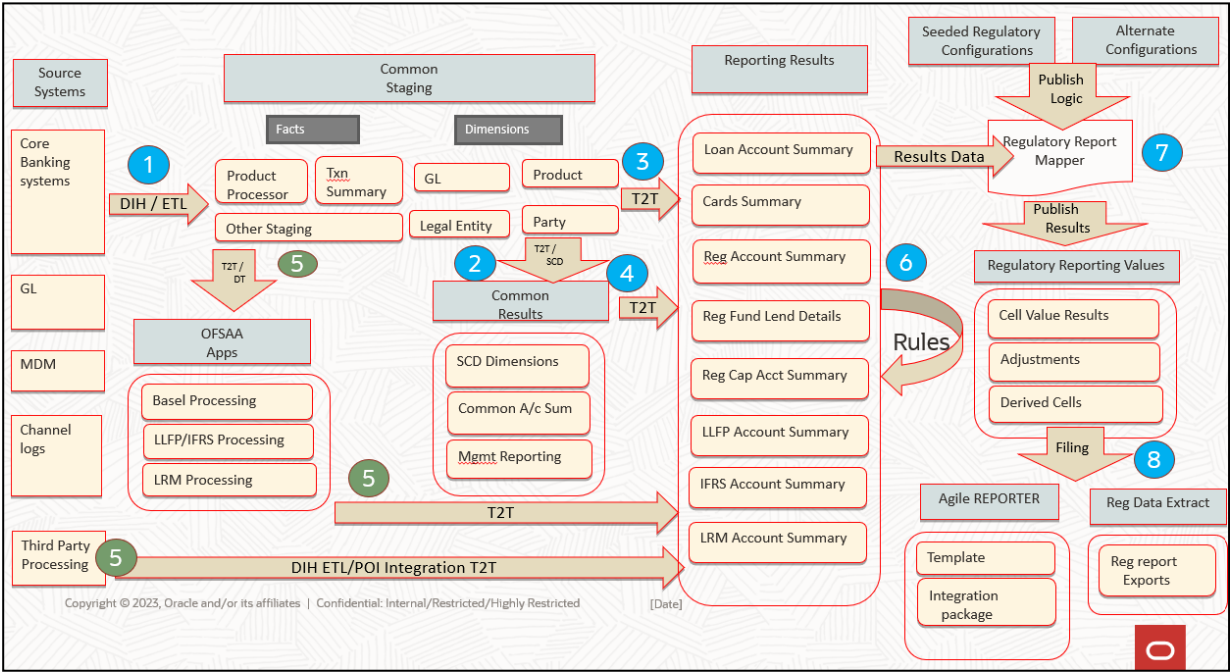
OSFI supervises by analyzing financial and economic trends to identify emerging issues that could adversely affect institutions. It assesses an institution's financial condition, material risks, and the quality of its governance, risk management, and compliance. It reports to Parliament through the Minister of Finance on various formal and informal processes that are used to ensure the effective execution of OSFI's mandate. For example, the Financial Institutions Supervisory Committee, whose members are OSFI, the Department of Finance, the Bank of Canada, the Canada Deposit Insurance Corporation, and the Financial Consumer Agency of Canada, meets at least quarterly to share information on matters relating to the supervision of federally regulated financial institutions.

OSFI also works with the Financial Transactions and Reports Analysis Centre of Canada (FINTRAC), which is responsible for ensuring compliance with Canada's Proceeds of Crime (money laundering) and Terrorist Financing Act.

2.2 OFSAA Regulatory Reporting Architecture

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

Figure 1: Regulatory Reporting Solution Architecture



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.

2.3 Scope

Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions, Canada (OFS REG REP OSFI) covers the following Regulatory Reports for specified release as mentioned in the table:

Table 2: Scope of Regulatory Reports and Schedules

Report Name	Schedule Name or Description	Released Version
E2	Mortgage Loans	8.1.2.3.0
N3	Loans in Arrears	8.1.2.3.0
J2	Home Equity Lines of Credit (HELOCs) Report	8.1.2.3.0
A4	Report on New Lending	8.1.2.3.0
B2	Securities	8.1.2.3.0
P3	Income Statement	8.1.2.4.0
C3	Allowance Continuity	8.1.2.4.0
E3	Allowances for Expected Credit Losses	8.1.2.4.0
K4	Deposit Liabilities	8.1.2.4.0
A2	Non-Mortgage Loans	8.1.2.5.0
A3	Trading Income and Income from GoC Securities Trading	8.1.2.5.0
C1	Charge for Impairment	8.1.2.5.0
RESL	Real Estate Secured Lending	8.1.2.6.0
B20	Residential Mortgage Underwriting Practices and Procedures Disclosure	8.1.2.6.0

3 Getting Started

This chapter provides an understanding of the prerequisites, general and data preparation assumptions, and logging into the application.

Topics:

- [Prerequisites](#)
- [Assumptions](#)
- [Accessing the OFSDF Interface or OSFI Interface](#)
- [Organization of the Interface for User Roles](#)
- [Metadata Browser](#)

OFSDF interface with OFS REG REP OSFI 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.

3.1 Prerequisites

For detailed prerequisites and instructions on installing this Release, see the [Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions, Canada \(OFS REG REP OSFI\) Installation Guide Release 8.1.2.6.0.](#)

3.2 Assumptions

OFSDF interface with OFS REG REP OSFI is a Reporting Application and it does not perform any risk or stress calculations. The assumptions for the application are:

- Textual and other related portions of reports like personal details, contact details, Yes or 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.
- 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 or 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.

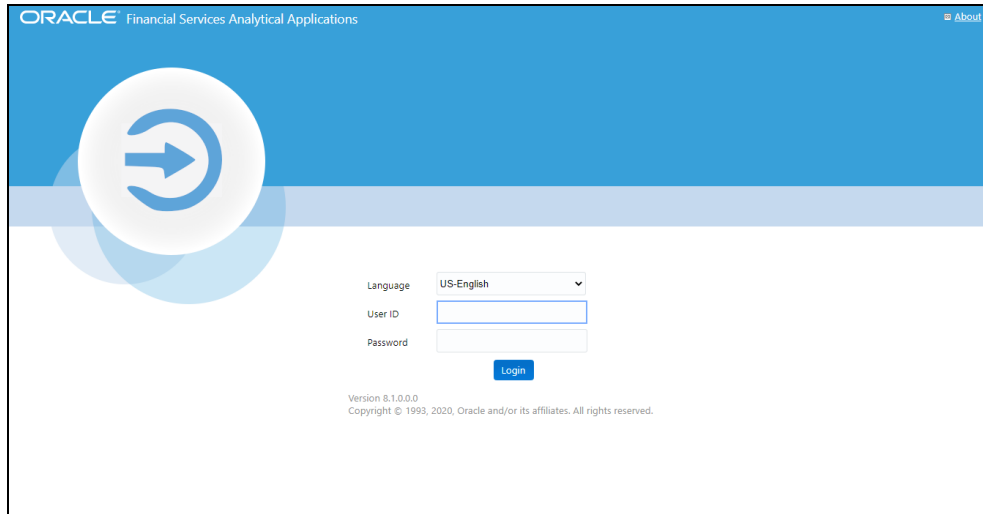
3.3 Accessing the OFSDF Interface or OSFI Interface

After the application is installed and configured, to access the OFSDF Interface with Reporting Portal for OSFI Application you must log in to the OFSAAI Environment using the OFSAAI Login Page.

To access the application, follow these steps:

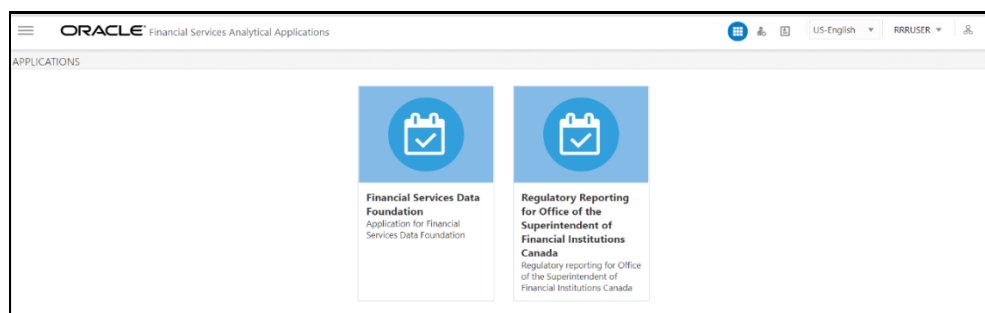
1. Enter the OFSAAI URL in your browser.
The OFSAAI Login Page is displayed.

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 Landing Page is displayed.

Figure 3: OFSAAI Applications Page



4. Select the **Financial Services Data Foundation** option to navigate to the **FSDF** Application or select the **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada** to navigate to the **OFS REG REP OSFI** Application.

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.

To access the Process Execution Summary, the following roles must be assigned to the user:

1. Modify Run Parameters
2. Approve Reporting Flag
3. Override Reporting Flag
4. Request Reporting Flag
5. Run Reporting Flag
6. View Run Details

Topics:

- [Process Execution Summary](#)
- [Marking Run as Final](#)
- [Reporting Flag for Run through Process Execution Summary](#)
- [Executing Batch to Resave Derived Entities](#)

3.4.1 Process Execution Summary

This section provides information on the Runs that apply to OSFI. The Process Execution Summary is launched after the Runs are executed from the Processing Modelling Framework. The following figure displays the Process Execution Summary with the data that is retrieved from the Process Modeler.

3.4.2 Marking Run as Final





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

1. After logging into the OFSAAI Applications Page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Process Modelling Framework** and select **Process Execution Summary**.
2. Scroll towards the right and click **Filter**, select the **Run Pipeline** from the available pipeline selection list. Click **OK**.
3. After the Run Execution, the Process Execution Summary is generated in the list format as illustrated in the following steps. The summary page displays the **Process Names** for which the **Run Parameters** are generated.

4. Scroll towards the right and click **View**  in the **Process Name** row.

You can view the detailed definition of a Run in a Read-Only Mode. The **Process Execution Details** Page displays the execution details for the selected Execution Key with the color band displaying the status of each Execution Key.

The execution keys and the corresponding execution details are as follows:

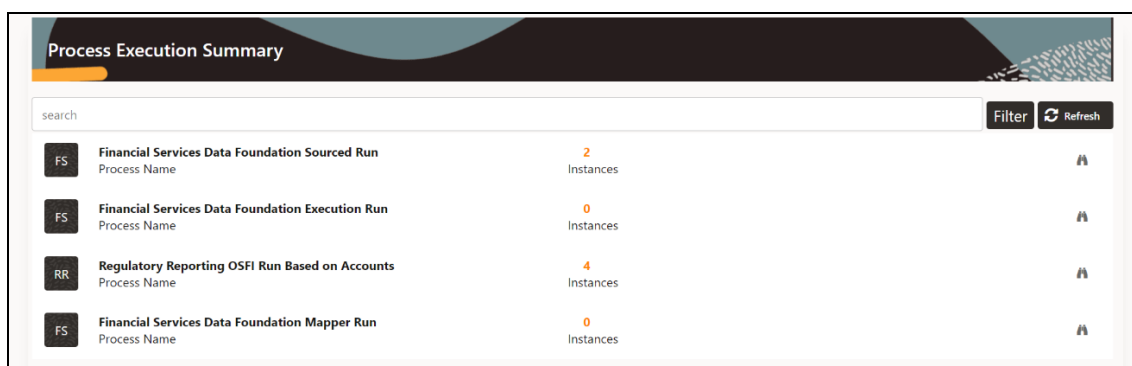
- **Process Description:** The Reconciliation Framework Run appears as the process description when the user executes the GL Reconciliation Run.
- **MIS Date:** The Extraction Date is displayed in this field.
- **Start Time:** It displays the Execution Date and the Execution Time when the Execution Run starts.
- **End Time:** It displays the End Execution Date and Execution Time.
- **Process Execution Key:** Unique Identifier assigned to each Process Execution.
- **Approval Status:** It displays the Approval status of the Execution as Completed, Failed, or Ongoing.
- **Process Monitor:** This helps to show the Run Definition as defined in the Process Modeling Framework. There are four icons in the Process Monitor as follows:
 - **PMF Launch:** Click **View**  to view the Process Flow associated with the selected Run.
 - **Request Report Flag:** To request for a Reporting Run, select an Execution ID in the **Process Execution Summary** Page and click the **Request Report Flag** . A dialog box will appear for you to input your comments. Click **Submit** and the status of this Run is displayed in the **Reporting 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.
 - **Approve Report Flag:** After submitting the Reporting Run in the earlier section, the **Approve Report Flag**  is enabled. When you click the **Approve Report Flag**, a dialog box is displayed with User Comments and Approver Comments. The Approver can update the comments in the **Approver Comments** field and then click **Approve** or **Reject**.
 - **Override Report Flag:** Any Reporting Execution can be overwritten with another execution. Select a successfully triggered batch on the **Process Execution Summary** Page. The **Override Report Flag**  is enabled if the execution is already marked as a Reporting Flag. You can override the execution by updating your comments. This must be approved by the Approver and the procedure is similar to the procedure detailed in the Approve Report Flag for a Run Section.

3.4.3 Reporting Flag for Run through Process Execution Summary

To request, approve, and override a flag for the Process Execution, perform the following steps:



1. After logging into the OFSAAI Applications Page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Process Modelling Framework** and select **Process Execution Summary**.

Figure: Run Pipeline Page




The screenshot shows the 'Process Execution Summary' page. It features a search bar at the top left, a 'Filter' button, and a 'Refresh' button. Below these is a table with four rows of pipeline runs. Each row includes a process icon (FS or RR), the process name, the number of instances, and a 'View' icon (two people).

Process Name	Instances
Financial Services Data Foundation Sourced Run	2
Financial Services Data Foundation Execution Run	0
Regulatory Reporting OSFI Run Based on Accounts	4
Financial Services Data Foundation Mapper Run	0

2. Scroll towards the right and click **Filter**, select the **Run Pipeline** from the available pipeline selection list. Click **OK**.
3. Scroll towards the right and click **View**  in the **Process Name** row.
4. Select **Request Report Flag**  to request a Report Flag for the selected Run Execution.
5. Enter information in the **Comments** field and click **Submit**. The request Report Flag for a Run is saved successfully.



3.4.3.1 Approve Report Flag for a Run

To approve the Report Flag, perform the following steps:

1. Navigate to the **Process Execution Summary** Page and select the process name for which the Report Flag must be approved.
2. Click **Approve**  to approve the request.
3. Enter the information in the **Approve Request Flag** Page.
4. Click **Approve** to approve the requested Report Flag.

3.4.3.2 Override Report Flag for a Run

To override the Report Flag for a successful run, perform the following steps:

1. Navigate to the **Process Execution Summary** Page and select the process name for which the Report Flag must be overridden.
2. Click **Override Report Flag**  to override the Report Flag.
3. Enter the information in the **Override Report Flag** Window.
4. Click **Override** to override the requested report flag.
5. Click **Approve Report Flag**  to approve the override Report Flag Request.
6. Enter the information in the **Approver Comments** field and click **Approve** and the Report Flag is overridden successfully.

3.4.4 Executing Batch to Resave Derived Entities

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

1. After logging into the OFSAAI Applications Page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Operations**, and then select **Batch Execution**.

For more details on the list of Batches for resaving Derived Entities, see the OSFI RUN CHART.

Figure 4: Batch Execution Page

The screenshot shows the 'Batch Execution' page. At the top, there's a header with the Oracle logo and 'Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada'. Below the header, there's a 'Batch Execution' section with a 'Batch Mode' dropdown set to 'Run'. There are search filters for 'Batch ID Like' (FSDFINFO_), 'Batch Description Like', 'Module', and 'Last Modification Date'. A table lists various batch details with columns for 'Batch ID' and 'Batch Description'. The table includes batches like FSDFINFO_ALM, FSDFINFO_CAMPAIGN, FSDFINFO_COLLATERAL, FSDFINFO_COLLECTION_AND_RECOVERY, FSDFINFO_CRM, FSDFINFO_CUSTOMER, FSDFINFO_DATA_FOUNDATION_SCD, FSDFINFO_DATA_FOUNDATION_SCD_MLS, FSDFINFO_DIM_ACCOUNT_SCD, FSDFINFO_EXPOSURE, FSDFINFO_FTS_TO_FCT_PAYMENTS_SUMM, FSDFINFO_GL_AND_ACCOUNTING, FSDFINFO_LIQUIDITY_REPORTS_ACC_REFRESH, FSDFINFO_LIQUIDITY_REPORTS_ACC_RESAVEDE, and FSDFINFO_LRM. At the bottom, there's a 'Page 1 of 5 (1-15 of 70 items)' and 'Records Per Page 15'.

2. Monitor the status of the batch using the **Batch Monitor** (Navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Operations**, and select **Batch Monitor**).

Figure 5: Batch Monitor Page

The screenshot shows the 'Batch Monitor' page. At the top, there's a header with the Oracle logo and 'Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada'. Below the header, there's a 'Batch Monitor' section with search filters for 'Batch ID Like' (FSDFINFO_), 'Batch Description Like', 'Module', 'Status', 'Start Date', and 'End Date'. A table lists various batch details with columns for 'Batch ID' and 'Batch Description'. The table includes batches like FSDFINFO_DATA_FOUNDATION_SCD, FSDFINFO_DIM_ACCOUNT_SCD, FSDFINFO_LIQUIDITY_REPORTS_ACC_REFRESH, FSDFINFO_LIQUIDITY_REPORTS_ACC_RESAVEDE, FSDFINFO_OSFI_SCD, FSDFINFO_POP_DATES_DIM, FSDFINFO_POP_EXCHANGE_RATES, FSDFINFO_REFRESH_BASE_DE_OF_REG_T2T, FSDFINFO_REG_RUNEXE_RESAVE, FSDFINFO_REG_RUN_T2T_SEQUENCE_RESET, and FSDFINFO_RESAVE_BASE_DE_OF_REG_T2T. At the bottom, there's a 'Page 1 of 1 (1-11 of 11 items)' and 'Records Per Page 15'. There's also a 'Batch Run Details' section with 'Start Monitoring', 'Stop Monitoring', and 'Reset' buttons, and a 'Monitor Refresh Rate (seconds)' set to 5.

3. Navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Operations**, and select **Batch Execution**.

4. Select the batch **<INFODOM>_LIQUIDITY_REPORTS_ACC_RESAVEDE** to resave all the Views used in OSFI.

Figure 6: Batch Resave Page

The screenshot displays the 'Batch Execution' page in the Oracle Regulatory Reporting system. The page header includes the Oracle logo and the text 'Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada'. The user is logged in as 'RRRUSER' in 'US-English'.

Under the 'Batch Mode' section, the 'Run' button is selected. The 'Search' section includes filters for 'Batch ID Like' (FSDRINFO_), 'Batch Description Like', 'Module', and 'Last Modification Date'. The 'Batch Details' section shows a list of batches with the following columns: 'Batch ID' and 'Batch Description'.

Batch ID	Batch Description
<input type="checkbox"/> FSDRINFO_ALM	Data Quality batch for ALM tables
<input type="checkbox"/> FSDRINFO_CAMPAIGN	Data Quality batch for CAMPAIGN tables
<input type="checkbox"/> FSDRINFO_COLLATERAL	Data Quality batch for Collateral tables
<input type="checkbox"/> FSDRINFO_COLLECTION_AND_RECOVERY	Data Quality batch for Collection and Recovery tables
<input type="checkbox"/> FSDRINFO_CRM	Data Quality batch for CRM tables
<input type="checkbox"/> FSDRINFO_CUSTOMER	Data Quality batch for Customer tables
<input type="checkbox"/> FSDRINFO_DATA_FOUNDATION_SCD	Data Foundation SCD for Loading Dimension Tables
<input type="checkbox"/> FSDRINFO_DATA_FOUNDATION_SCD_MLS	Data Foundation SCD for Multi Language Support Dimensions
<input type="checkbox"/> FSDRINFO_DIM_ACCOUNT_SCD	SCD for DIM_ACCOUNT
<input type="checkbox"/> FSDRINFO_EXPOSURE	Data Quality batch for EXPOSURE tables
<input type="checkbox"/> FSDRINFO_FTS_TO_FCT_PAYMENTS_SUMM	Deprecated. Use RUN - Data Foundation Execution Run
<input type="checkbox"/> FSDRINFO_GL_AND_ACCOUNTING	Data Quality batch for GL_AND_ACCOUNTING group
<input type="checkbox"/> FSDRINFO_LIQUIDITY_REPORTS_ACC_REFRESH	This Batch refreshes the derived entities for Liquidity Reports Based on Account Information
<input checked="" type="checkbox"/> FSDRINFO_LIQUIDITY_REPORTS_ACC_RESAVEDE	This Batch Resaves Derived Entity for Creating Liquidity Reports Based on Account Information
<input type="checkbox"/> FSDRINFO_LRM	Data Quality batch for LRM tables

The page footer shows 'Page 1 of 5 (1-15 of 70 items)' and 'Records Per Page 15'.

5. Monitor the status of the batch using the **Batch Monitor** (Navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Operations**, and select **Batch Monitor**).

4

List of Configured OSFI Reports

Table 3: P3 – Income Statement Report Synopsis

P3 – Income Statement
<p>The purpose of this return is to provide a consolidated statement of comprehensive income of the institution for the periods commencing either November 1 or January 1 and ending on the last days of either January, April, July and October or March, June, September, and December. The income statement categories reflect the information required by the major users - the Office of the Superintendent of Financial Institutions, the Bank of Canada, Canada Deposit Insurance Corporation and Statistics Canada - for purposes of analysing and monitoring the individual and aggregate financial condition of institutions.</p> <p>The Contact agency for this report is OSFI and The Report consists of Interest Income/Expenses, Non-Interest Income/Expenses, Retained Earnings, Comprehensive Income and Charge for Impairment Other than Loans.</p> <p>This return applies to all deposit-taking institutions under Sections 628 and 600 of the Bank Act and Section 495 of the Trust and Loan Companies Act.</p> <p>This is a Quarterly Return and applies to Institutions with fiscal year-ends of October - Quarterly - January, April, July and October & Institutions with fiscal year-ends of December - Quarterly - March, June, September and December.</p>

Table 4: P3 Assumptions and Clarifications

P3 Assumptions & Clarifications
None

Table 5: C3 – Allowance Continuity report Synopsis

C3 – Allowance Continuity
<p>This report provides the Office of the Superintendent of Financial Institutions with detailed information relating to changes in the Allowance for Expected Credit Losses account.</p> <p>The Contact agency for this report is Bank of Canada and The Report consists of the allowance for ECL is used in measurement of Expected Credit Losses for recognized and unrecognized credit related assets.</p> <p>This return applies to all deposit-taking institutions under Sections 628 and 600 of the Bank Act and Section 495 of the Trust and Loan Companies Act.</p> <p>This is a Quarterly Return and applies to Institutions with fiscal year-ends of October - Quarterly - January, April, July and October & Institutions with fiscal year-ends of December - Quarterly - March, June, September and December. This return is to be completed as at the last day of each quarter and submitted within 45 days of the reporting date.</p>

Table 6: C3 – Assumptions & Clarifications

Section Name	Impacted Cells	Assumptions
Section-1	4555;4567;4598;4614;4605;4621;4612;4628;4667;4681;4674;4688	Treating un-recognized items as adjustments since guideline is silent on the specifics.
Section-1	4607;4623;4608;4624;4609;4625;4610;4626;4611;4627;4612;4628	Treating other items as adjustments since guideline is silent on the specifics.
Section-1	4671;4672; 4670;4669;4673;4683;4711;4712	To be reconciled with E3 report as part of the validation rules.

Table 7: E3 – Allowances for Expected Credit Losses Report Synopsis

E3 – Allowances for Expected Credit Losses
<p>This return provides the Office of the Superintendent of Financial Institutions with detailed information relating to allowances for expected credit losses. This return applies to allowances in all 3 stages recorded under IFRS 9.</p>

The Contact agency for this report is OSFI. This return applies to all deposit-taking institutions under Sections 628 and 600 of the Bank Act and Section 495 of the Trust and Loan Companies Act.

This is a Quarterly Return and applies to Institutions with fiscal year-ends of October - Quarterly - January, April, July and October & Institutions with fiscal year-ends of December - Quarterly - March, June, September and December. This return is to be completed as at the last day of each quarter and submitted within 45 days of the reporting date.

Table 8: E3 – Assumptions and Clarifications

Section Name	Impacted Cells	Assumptions
Section-1	3194; 3201	The derivation logics are [3268] + [3269] OR [3403] - [3040]; [3418] - [3057] OR [3193] + [3194] + [3195] + [3196] + [3197] + [3198] + [3199] + [3200] respectively.
Section-1	Applicable to all cells under section 1	For section 1, column 1 will be considered as ECL & Net Impaired Amount will be also calculated as EOP-ECL
Section-1	3305;3008;3356;3027;3407;3046	HFP for 'Private Passenger Vehicle' considering as a 'Personal Expenditure'
Memo	3184	This cell is considered as derived. As no derivation logic is mentioned in validation rule. It will be considered as per the derivation logic given in Sec1.Its derivation logic will be = 3181-3502

Table 9: K4 – Deposit Liabilities Report Synopsis

K4 – Deposit Liabilities
<p>This return provides the Office of the Superintendent of Financial Institutions a detailed breakdown of the deposit liabilities of deposit-taking institutions.</p> <p>The Contact agency for this report is OSFI and This return classifies deposit liabilities as reported in Liability Items 1 and 2 on the balance sheet.</p> <p>Accrued interest on deposits is not to be included in this return.</p> <p>Deposit liabilities booked both in and out of Canada are to be included.</p> <p>All deposits of non-residents are to be reported separately on this return.</p> <p>The concept of institutional sectors used in this return conforms with the definitions of financial flow sector accounts detailed in the attached Definition of Financial Flow Sectors. This concept is also used in the Non-Mortgage Loans Report and the Return of Securities Classified by Institutional Sector.</p> <p>Please ensure that the figures in this return reconcile with the institution's balance sheet.</p> <p>This return applies to all deposit-taking institutions under Sections 628 and 600 of the Bank Act and Section 495 of the Trust and Loan Companies Act.</p> <p>This is a monthly report and this return is to be completed within 30 days of the calendar month.</p>

Table 10: K4 – Assumptions and Clarifications

K4 Assumptions & Clarifications
None.

Table 11: E2 – Mortgage Loans Report

E2 – Mortgage Loans Report

This report provides the Office of the Superintendent of Financial Institutions and the Bank of Canada with data on mortgages.

The Contact agency for this report is OSFI and this return analyses mortgages made on the security of property and reported as Asset 3(b)(i)(A), (B) and 3(b)(ii) on the balance sheet. Included are data covering all insured and uninsured advances as well as completed loans, mortgages purchased by the institution. Mortgages purchased are to be reported net of premium or discount (see the instructions for the balance sheet for treatment of discount and premium). All mortgage loans secured by property (not just first mortgages) are to be reported. Exclude any loans where mortgages are taken as collateral security either at the time the loan is made or subsequently. Report all figures on a consolidated institution basis. All amounts are to be expressed in thousands of Canadian dollar equivalents.

This return applies to all institutions under Sections 628 and 600 of the Bank Act and Section 495 of the Trust and Loan Companies Act.

This is a Quarterly Report and this return is to be completed within 45 days of calendar quarter-end.

Table 12: E2 – Assumptions:

Report Code	Section Name	Impacted Cells	Assumptions
E2	Section I - Total Mortgages	7831	For all other cells, combination of row description and column description to be considered. For this cell as column header only mentions Total, so as per the row description total of residential to be considered
E2	Section I - Total Mortgages	7832	For all other cells, combination of row description and column description to be considered. For this cell as column header only mentions Total, so as per the row description total of non- residential to be considered
E2	Section I - Total Mortgages	2690;2691;2692	In absence of detailed instructions, it is assumed that increase related to portfolio mortgage insurance is because of the purchase of portfolio mortgages.
E2	Section I - Total Mortgages	2693;2694;2695	In absence of detailed instructions, it is assumed that decrease related to portfolio mortgage insurance is because of the sale of portfolio mortgage.
E2	Section I - Total Mortgages and Section III - Outstanding Mortgage Loans - Summary by Type, Arrears, and Allowance for Expected Credit Losses	2301;2307;2310;2312;2314;2316;2318;2320;2687;2688	Under Section III, line number 1. (c). (ii). (F)Residential properties reported under non-residential are considered under the header Non-farm properties. To keep Sec I and Sec III aligned, for Sec I column header "Of Which: Residential properties reported under non-residential", residential properties which are covered under the non-farm properties are considered for of which condition. Farm properties which are also non-residential are not to be considered to under header "Residential properties reported under non-residential".

Table 13: B2 – Securities

Securities - B2
<p>This return provides a detailed breakdown of the securities holdings of deposit-taking institutions.</p> <p>The contact agency of this report is Bank of Canada and This return provides information on securities (Asset 2).</p> <p>Please ensure that the figures in this return reconcile with the institution's balance sheet.</p> <p>Report total booked in and outside Canada.</p> <p>Report all figures net of Allowance for Expected Credit Losses, where applicable.</p> <p>This return applies to all institutions under sections 628 and 600 of the Bank Act, Section 495 of the Trust and Loan Companies Act and Section 24 of the Bank of Canada Act.</p> <p>This is a Quarterly report and this return is to be completed within 45 days of the calendar quarter-end.</p>

Table 14: A4 – Report of New and Existing Lending

Report of New and Existing Lending - A4
<p>The purpose of this return is to provide information on the interest rates charged and funds advanced vis-à-vis new loans, booked in Canada, in Canadian dollars only, to Canadian households and business sectors by institutions.</p> <p>The contact agency of this report is Bank of Canada and this return consists of Interest Rates Charged and Funds Advanced on New Lending and Existing Lending.</p> <p>This return applies to all banks and foreign bank branches, trust, and loan companies under Sections 628 and 600 of the Bank Act and Section 24 of the Bank of Canada Act.</p> <p>This is a Monthly report and this return is to be completed monthly and submitted within 30 days of the last day of each month to the Head Office of the Bank of Canada.</p>

Table 15: N3 - Loans in Arrears

N3 - Loans in Arrears

This return provides the Office of the Superintendent of Financial Institutions with information relating to Non-mortgage and Mortgage loans in arrears.

The contact agency of this report is Bank of Canada.

This return applies to all deposit taking institutions under sections 628 and 600 of the Bank Act and Section 495 of the Trust and Loan Companies Act.

This is a Quarterly report and this return is to be completed as at the last day of each quarter and submitted within 45 days of the reporting date.

Table 16: J2 - Home Equity Lines of Credit Report (HELOC)

J2 - Home Equity Lines of Credit Report (HELOC)

This report provides the Bank of Canada data on Home Equity Lines of Credit (HELOCs) and related products.

The contact agency of this report is Bank of Canada.

This return applies to all banks, foreign bank branches, and selected institutions on a consolidated basis under section 24 of the Bank of Canada Act, sections 628 and 600 of the Bank Act.

This is a Quarterly report and this return is to be completed as at the last day of each quarter and submitted within 45 days of the reporting date.

Table 17: A2 - Non-Mortgage Loans

A2 - Non-Mortgage Loans

This return provides a detailed breakdown of the non-mortgage loans of deposit-taking institutions.

The contact agency of this report is OSFI.

This return applies to all institutions under sections 628 and 600 of the Bank Act and Section 495 of the Trust and Loan Companies Act.

This is a Quarterly report and this return is to be completed within 45 days of calendar quarter-end.

Table 18: A3 - Trading Income and Income from GoC Securities Trading

A3 - Trading Income and Income from GoC Securities Trading
<p>The purpose of this return is to provide information on an institution's total trading income as at the end of each fiscal quarter.</p> <p>The contact agency of this report is Bank of Canada and the Report consists of Trading Income and Income from GoC Securities Trading.</p> <p>The return applies to RBC and RBC Dominion Securities Inc., Scotia Bank and Scotia Capital Inc., TD and TD Securities, BMO and BMO Nesbitt Burns Inc., National Bank and National Bank Financial Inc., CIBC and CIBC World Markets Inc., Laurentian Bank and Laurentian Bank Securities Inc., HSBC Bank Canada and HSBC Securities (Canada) Inc. In a single return, Section 1, 2, 3 under BoC: Sections 628 and 600 of the Bank Act and Section 24 of the Bank of Canada Act & OSFI: Sections 628 and 600 of the Bank Act and Section 495 of the Trust and Loan Companies Act.</p> <p>This is a Quarterly Return and applies to Institutions with fiscal year-ends of October - Quarterly - January, April, July and October & Institutions with fiscal year-ends of December - Quarterly - March, June, September and December.</p>

Table 19: C1 - Charge for Impairment

C1 - Charge for Impairment
<p>The purpose of this return is to provide the Superintendent of Financial Institutions with information on the amount of charges for impairment by major asset categories made during the fiscal year.</p> <p>The contact agency of this report is OSFI.</p> <p>This return complies with the statutory requirement specified under Sections 628 and 600 of the Bank Act and Section 495 of the Trust and Loan Companies Act.</p> <p>This is a Quarterly report and Institutions with fiscal year-ends of October – October Institutions with fiscal year-ends of December – December</p>

Table 20: RESL - Real Estate Secured Lending

RESL – Real Estate Secured Lending
<p>OSFI has introduced Real Estate Secured Lending (RESL) Data Call report to monitor and assess risk of FRFI lending activities in the Canadian housing real estate market. RESL data call captures all data elements for the whole portfolio at the transactional/record level.</p> <p>The data call is to be submitted to OSFI on or before the 15th of each month.</p>

Table 21: B20 - Residential Mortgage Underwriting Practices and Procedures Disclosure

B20 - Residential Mortgage Underwriting Practices and Procedures Disclosure
<p>The purpose of this report is to provide details on Residential Mortgage Underwriting Practices and Procedures.</p> <p>It applies to all banks, foreign bank branches, trust and loan companies, as well as life insurance, fraternal, and property and casualty companies.</p> <p>This report is submitted quarterly.</p>

5

Dimension Reclassification Tables

Table 22: Standard Dimension Reclassification

User Specific Dimension	Category	Regulatory Dimension	Category
DIM_BALANCE_CATEGORY	Balance Category	DIM_STD_BALANCE_CATEGORY	Standard Balance Category
DIM_CREDIT_LINE_PURPOSE	Credit Line Purpose	DIM_STD_CREDIT_LINE_PURPOSE	Standard Credit Line Purpose
DIM_CREDIT_LINE_TYPE	Credit Line Type	DIM_STD_CREDIT_LINE_TYPE	Standard Credit Line Type
DIM_MITIGANT_TYPE	Mitigant Type	DIM_STD_MITIGANT_TYPE	Standard Mitigant Type
DIM_PARTY_TYPE	Party Type	DIM_STANDARD_PARTY_TYPE	Standard Party Type
DIM_PRODUCT	Product	DIM_STANDARD_PRODUCT_TYPE	Standard Product Type
DIM_GL_ACCOUNT	General Ledger	DIM_STD_GL_TYPE	Standard General Ledger Type
DIM_IRC	Interest Rate Curve	DIM_STANDARD_IRC	Standard Interest Rates
DIM_LOB	Line Of Business	DIM_STANDARD_LOB	Standard Lob

DIM_CREDIT_SCORE_MODEL	Dim Credit Score Model	DIM_REG_CREDIT_SCORE_MODEL	Regulatory Credit Score Model
DIM_GL_ACCOUNT	General Ledger Account	DIM_REG_REPLINE	Regulatory Reporting Line
DIM_RECOVERY_TYPE	Recovery Type	DIM_STD_RECOVERY_TYPE	Standard Recovery Type
DIM_VEHICLE_TYPE	Vehicle Type	DIM_STD_VEHICLE_TYPE	Standard Vehicle Type
DIM_WRITE_OFF_REASONS	Write-Off Reasons	DIM_STD_WRITE_OFF_REASONS	Standard Write-off Reasons
DIM_PARTY_ROLE	Party Role	DIM_STD_PARTY_ROLE	Standard Party Role

Table 23: C3 – Regulatory Dimension Reclassification

User Specific Dimension	Category	Regulatory Dimension	Category
DIM_ACCOUNT_PURPOSE	Account Purpose Dimension	DIM_REG_ACCOUNT_PURPOSE	Regulatory Account Purposes Dimension
DIM_ACCOUNT_PURPOSE	Account Purpose Dimension	DIM_REG_LOAN_PURPOSE	Regulatory Loan Purpose Dimension
DIM_ACCT_STATUS	Account Status Dimension	DIM_REG_ACCT_STATUS	Regulatory Account Status Dimension

DIM_APPLICATION_STATUS	Application Dimension Status	DIM_REG_APPLICATION_STATUS	Regulatory Application Status Dimension
DIM_APPLICATION_PURPOSE	Application Dimension PURPOSE	DIM_REG_APPLICATION_PURPOSE	Regulatory Application Purpose Dimension
DIM_PROPERTY_TYPE	Property Type Dimension	DIM_REG_PROPERTY_TYPE	Regulatory Property Type Dimension
DIM_UNDERLYING_TYPE	Underlying Type Master Dimension	DIM_REG_UNDERLYING_TYPE	Regulatory Underlying Type Master Dimension

Table 24: Mappers for Reclassification of Standard Dimensions

Mappers for Reclassification of Standard Dimensions	
MAP_BAL_CAT_STD_BAL_CAT	Mapper for Balance Category to Standard Balance Category
MAP_RECDR_TYP_STD_RECDR_TYP	Mapper for Common Recovery Type to Standard Recovery Type
MAP_CRDLN_PUR_STD_CRDLN_PUR	Mapper for Credit Line Purpose to Standard Credit Line Purpose
MAP_CRDLN_TYP_STD_CRDLN_TYP	Mapper for Credit Line Type to Standard Credit Line Type
MAP_CREDIT_SCR_MDL_REG_MDL	Mapper for Credit Score Model To Reg Credit Score Model
MAP_DIM_GL_ACCT_STD_GL_TYPE	Mapper for General Ledger Account to Standard General Ledger Account Type
MAP_GL_CODE_REP_LINE	Mapper for GL Code to Repline Code
MAP_GL_REP_LINE_MGMT_LDGR	Mapper for GL Code to Repline Code Management Ledger
MAP_DIM_IRC_STD_IRC	Mapper for Interest Rate Code to Standard Interest Rate Code
MAP_DIM_LOB_STD_LOB	Mapper for Line of Business Code to Standard Line of Business Code

MAP_MITG_TYP_STD_MITGN_TYP	Mapper for Mitigant Type to Standard Mitigant Type
MAP_PARTY_R_STD_PARTY_R	Mapper for Party Role Code to Standard Party Role Code
MAP_PARTY_TYP_STD_PARTY_TYP	Mapper for Party Type Code to Standard Party Type Code
MAP_PROD_CODE_STD_PROD_TYPE	Mapper for Product Code to Standard Product Code
MAP_PROD_CODE_STD_PROD_TYPE	Mapper for Vehicle Type to Standard Vehicle Type
MAP_WRTOFF_STD_WRTOFF_REASN	Mapper for Write Off Reasons to Standard Write Off Reasons

Table 25: Mappers for Reclassification of Regulatory Dimension

Mappers for Reclassification of Regulatory Dimension	
MPCA_ACCT_REG_ACCT_PURPOSE	Reg CA Mapper for Regulatory Account Purpose
MPCA_ACCT_REG_ACCT_STATUS	Reg CA Mapper for Regulatory Account Status
MPCA_APPL_REG_APPL_PURPOSE	Reg CA Mapper for Regulatory Application Purpose
MPCA_APPL_REG_APPL_STATUS	Reg CA Mapper for Regulatory Application Status
MPCA_CHANNEL_REG_CHANNEL	Reg CA Mapper for Regulatory Channel
MPCA_DWNP_REG_DOWNPYMT_SRC	Reg CA Mapper for Regulatory Down Payment Source
MPCA_FORB_REG_FORB_STATUS	Reg CA Mapper for Regulatory Forborne Status
MPCA_ACCT_REG_LOAN_PURPOSE	Reg CA Mapper for Regulatory Loan Purpose
MPCA_LOAN_REG_LOAN_PURPOSE	Reg CA Mapper for Regulatory Loan Purpose
MPCA_PROP_REG_PROPERTY_TYPE	Reg CA Mapper for Regulatory Property Type

MPCA_UNDERLYNG_REG_UND_TYPE	Reg CA Mapper for Regulatory Underlying Type
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Table 26: Residential and non-Residential property categorization

Regulatory Property Type	Column Heading	Mitigant Type
1UNITCOOPDW	Residential	RRE
TOWNHOUSE	Residential	RRE
1UNIT	Residential	RRE
CONDO	Residential	RRE
2TO4UNITS	Residential	RRE
5PLUS	Residential	RRE
MOBILEHOME	Mobile Home	RRE
VACANTLAND	Vacant Land	RRE
SEMIDETACHED	Semi-detached house	RRE
FARMLAND	Non - Residential	CRE
CONDOAPT	Residential	RRE
OFFICE	Non - Residential	CRE
COMMERCIAL	Non - Residential	CRE
LANLOTDEV	Non - Residential	CRE
INDWARHOUSE	Non - Residential	CRE
HOTHOSPGAMING	Non - Residential	CRE
RESPROPCONSNONRES	Non - Residential	CRE

Table 27: E2 – Bi-furcation of property type codes used in configuration into residential or non-residential category:

Regulatory Property Type	Category
1UNITCOOPDW	Residential
TOWNHOUSE	Residential
1UNIT	Residential
CONDO	Residential
2TO4UNITS	Residential

5PLUS	Residential
CONDOAPT	Residential
MOBILEHOME	Residential
VACANTLAND	Residential
SEMIDETACHED	Residential
OFFICE	Non -residential
COMMERCIAL	Non -residential
LANLOTDEV	Non -residential
INDWARHOUSE	Non -residential
HOTHOSPGAMING	Non -residential
FARMLAND	Non -residential
RESPROPCONSNONRES	Non -residential

6 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.

Topics:

- [Regulatory Fiscal Period Settings in OSFI](#)
- [Data Preparation](#)
- [Overview of OFS REG REP OSFI User Interface](#)
- [Adjustment Feature for Template-based Reports](#)

6.1 Regulatory Fiscal Period Settings in OSFI

6.1.1 Reporting Dates

The regulatory reports need to be filed on varying frequencies based on the requirement. The frequency of reports could be based on fiscal month, fiscal quarter, or fiscal year periods. Hence it is important to identify the fiscal year start date followed by the Institution to correctly populate fiscal quarters and fiscal year ends. Financial Institutions in Canada has the choice of two fiscal year periods. The first choice is fiscal year period from January 1 to December 31 and second choice is fiscal year period from November 1 to October 31.

January 1 to December 31

Institutions with fiscal year-ends of December

This is the default use case where fiscal year period matches with calendar year.

Fiscal year starts on January 1 and end on December 31 same year.

Four quarter periods are:

- January to March
- April to June
- July to September
- October to December

November 1 to October 31

Institutions with fiscal year-ends of October - January, April, July and October

Here Fiscal year starts on 1st November and ends on October 31st of coming year.

Four quarter periods are

- November to January
- February to April
- May to July
- August to October

6.1.1.1 Setting fiscal year in OSFI setup

Fiscal year is calculated in two steps:

- Set fiscal year start day
- Calculate fiscal year periods

6.1.1.1.1 Setting fiscal year start day

The table FSI_RR_CONF_REG_FY_SETUP is utilized to configure the fiscal year start date.

The table FSI_RR_CONF_REG_FY_SETUP has three columns.

- V_REG_APP_ID
- V_JURISDICTION_CD
- V_FISCAL_YEAR_START_DAY

V_FISCAL_YEAR_START_DAY accepts start day in 'MMDD' format with default value set as '0101'. This represents the fiscal year from January 1st to December 31st. For November 1 and October 31 fiscal period, specify the fiscal year format as '1101'. The table FSI_RR_CONF_REG_FY_SETUP can be queried to view the current V_FISCAL_YEAR_START_DAY.

6.1.1.1.2 Calculate fiscal year periods

The table FSI_RR_CONF_REG_FISCAL_DATES holds the fiscal year period calculated from V_FISCAL_YEAR_START_DAY saved in FSI_RR_CONF_REG_FY_SETUP table. It can be queried to see the values for quarter start, quarter end, previous quarter start date, previous quarter end date, previous year start date and previous year end date, etc.

This table is populated by running the batch <INFODOM>_REG_FISCAL_PERIODS_OSFI using auto generation program. This is a onetime activity to load all the required dates in the table FSI_RR_CONF_REG_FISCAL_DATES.

6.2 Data Preparation

This section explains the input data preparation from OFSAA.

Topics:

- [Assumptions for Data Preparation](#)
- [OSFI RUN CHART](#)
- [Run or Execution Expectations](#)
- [Data Flow from Source Systems to Staging Area](#)
- [Data Flow from Staging to Results Area](#)
- [Guidelines for Data Loading to Result Area Tables in Data Foundation for Regulatory Reporting Implementations](#)
- [FSDF Entity Information](#)
- [Fact Tables or Entities](#)

6.2.1 Assumptions for Data Preparation

The following are the 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.
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 to Report Vintage Data, as per report requirements. For Projection Data, for a given Run and Projection Period (quarter or year), only one set of data is expected to be stored.

6.2.2 OSFI RUN CHART

Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions Canada (OFS REG REP OSFI) provides the OSFI RUN Chart listing the tasks required for the population of data for OSFI Reports. This covers the following tasks:

- Run Chart
- Data Load
- Dimension Data Population
- FSDF Source Run PMF
- OSFI REG RUN PMF

Download the OFS REG REP OSFI 8.1.2.5.0 Run Chart from the MOS.

6.2.3 Run or Execution Expectations

Run refers to execution. It is assumed that at different 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 or Execution
 - a. Reporting Month-end Data
 - b. Projection Data
2. Historical (trend or vintage) Data
 - a. Yearly
 - b. 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 are not required to provide this difference as a download. Movement data for actual is identified through different runs and the respective values are 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 (or tables) for Reporting.

6.2.4 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 the [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.

6.2.5 Data Flow from Staging to Results Area

This section details the Pass-through Data, Transformed Data, and Classification.

Topics:

- [Pass-Through Data](#)
- [Reclassified to Regulatory Classifications](#)

6.2.5.1 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 or 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.

6.2.5.2 Maintenance of Mappers for Reclassification of Standard Dimensions

The mapper can be maintained under OFSAAL.

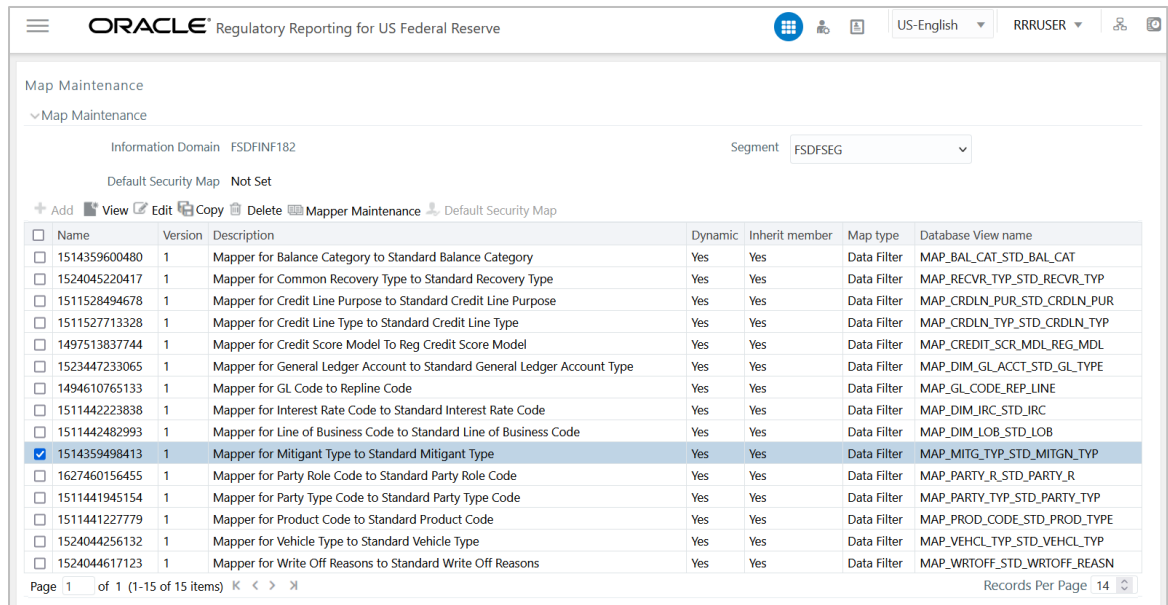
1. After logging into the OFSAAL applications page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Administration**, and then select **Map Maintenance**.

Figure 7: Map Maintenance page

Name	Version	Description	Dynamic	Inherit member	Map type	Database View name
1514359600480	1	Mapper for Balance Category to Standard Balance Category	Yes	Yes	Data Filter	MAP_BAL_CAT_STD_BAL_CAT
1524045220417	1	Mapper for Common Recovery Type to Standard Recovery Type	Yes	Yes	Data Filter	MAP_RECVR_TYP_STD_RECVR_TYP
1511528494678	1	Mapper for Credit Line Purpose to Standard Credit Line Purpose	Yes	Yes	Data Filter	MAP_CRDLN_PUR_STD_CRDLN_PUR
1511527713328	1	Mapper for Credit Line Type to Standard Credit Line Type	Yes	Yes	Data Filter	MAP_CRDLN_TYP_STD_CRDLN_TYP
1497513837744	1	Mapper for Credit Score Model To Reg Credit Score Model	Yes	Yes	Data Filter	MAP_CREDIT_SCR_MDL_REG_MDL
1523447233065	1	Mapper for General Ledger Account to Standard General Ledger Account Type	Yes	Yes	Data Filter	MAP_DIM_GL_ACCT_STD_GL_TYPE
1494610765133	1	Mapper for GL Code to Repline Code	Yes	Yes	Data Filter	MAP_GL_CODE_REP_LINE
1511442223838	1	Mapper for Interest Rate Code to Standard Interest Rate Code	Yes	Yes	Data Filter	MAP_DIM_IRC_STD_IRC
1511442482993	1	Mapper for Line of Business Code to Standard Line of Business Code	Yes	Yes	Data Filter	MAP_DIM_LOB_STD_LOB
1514359498413	1	Mapper for Mitigant Type to Standard Mitigant Type	Yes	Yes	Data Filter	MAP_MITG_TYP_STD_MITGN_TYP
1627460156455	1	Mapper for Party Role Code to Standard Party Role Code	Yes	Yes	Data Filter	MAP_PARTY_R_STD_PARTY_R
1511441945154	1	Mapper for Party Type Code to Standard Party Type Code	Yes	Yes	Data Filter	MAP_PARTY_TYP_STD_PARTY_TYP
1511441227779	1	Mapper for Product Code to Standard Product Code	Yes	Yes	Data Filter	MAP_PROD_CODE_STD_PROD_TYPE
1524044256132	1	Mapper for Vehicle Type to Standard Vehicle Type	Yes	Yes	Data Filter	MAP_VEHCL_TYP_STD_VEHCL_TYP
1524044617123	1	Mapper for Write Off Reasons to Standard Write Off Reasons	Yes	Yes	Data Filter	MAP_WRTOFF_STD_WRTOFF_REASN

2. For illustration, we have selected Mapper for Mitigant Type to Standard Mitigant Type. Click Mapper Maintenance.

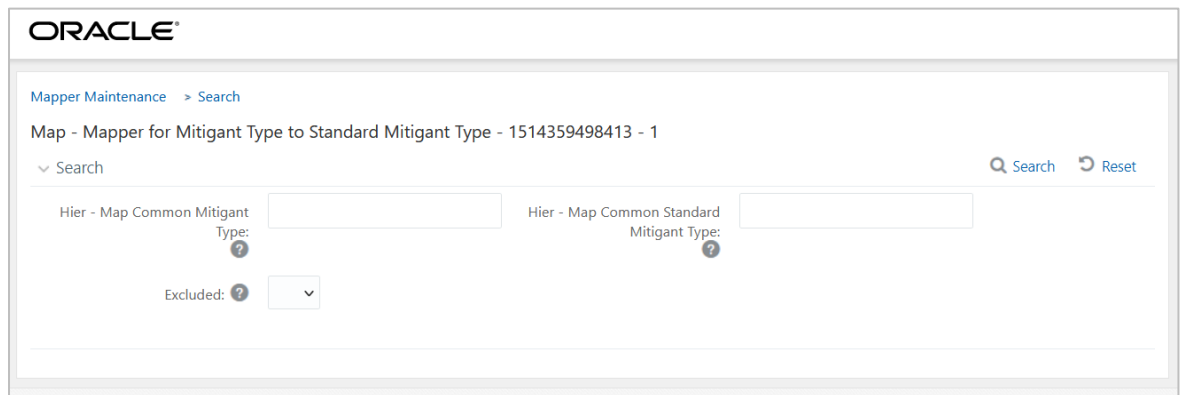
Figure 8: Mapper for Mitigant Type to Standard Mitigant Type



Name	Version	Description	Dynamic	Inherit member	Map type	Database View name
1514359600480	1	Mapper for Balance Category to Standard Balance Category	Yes	Yes	Data Filter	MAP_BAL_CAT_STD_BAL_CAT
1524045220417	1	Mapper for Common Recovery Type to Standard Recovery Type	Yes	Yes	Data Filter	MAP_RECVR_TYP_STD_RECVR_TYP
1511528494678	1	Mapper for Credit Line Purpose to Standard Credit Line Purpose	Yes	Yes	Data Filter	MAP_CRDLN_PUR_STD_CRDLN_PUR
1511527713328	1	Mapper for Credit Line Type to Standard Credit Line Type	Yes	Yes	Data Filter	MAP_CRDLN_TYP_STD_CRDLN_TYP
1497513837744	1	Mapper for Credit Score Model To Reg Credit Score Model	Yes	Yes	Data Filter	MAP_CREDIT_SCR_MDL_REG_MDL
1523447233065	1	Mapper for General Ledger Account to Standard General Ledger Account Type	Yes	Yes	Data Filter	MAP_DIM_GL_ACCT_STD_GL_TYPE
1494610765133	1	Mapper for GL Code to Repline Code	Yes	Yes	Data Filter	MAP_GL_CODE_REG_LINE
1511442223838	1	Mapper for Interest Rate Code to Standard Interest Rate Code	Yes	Yes	Data Filter	MAP_DIM_IRC_STD_IRC
1511442482993	1	Mapper for Line of Business Code to Standard Line of Business Code	Yes	Yes	Data Filter	MAP_DIM_LOB_STD_LOB
1514359498413	1	Mapper for Mitigant Type to Standard Mitigant Type	Yes	Yes	Data Filter	MAP_MITG_TYP_STD_MITGN_TYP
1627460156455	1	Mapper for Party Role Code to Standard Party Role Code	Yes	Yes	Data Filter	MAP_PARTY_R_STD_PARTY_R
1511441945154	1	Mapper for Party Type Code to Standard Party Type Code	Yes	Yes	Data Filter	MAP_PARTY_TYP_STD_PARTY_TYP
1511441227779	1	Mapper for Product Code to Standard Product Code	Yes	Yes	Data Filter	MAP_PROD_CODE_STD_PROD_TYPE
1524044256132	1	Mapper for Vehicle Type to Standard Vehicle Type	Yes	Yes	Data Filter	MAP_VEHCL_TYP_STD_VEHCL_TYP
1524044617123	1	Mapper for Write Off Reasons to Standard Write Off Reasons	Yes	Yes	Data Filter	MAP_WRTOFF_STD_WRTOFF_REASN

The OFS REG REP US FED maps OTH and MSG out-of-the-box for this mapper. The remaining mappings can be maintained by the user according to user-specific values.

Figure 9: Map Maintenance Search page



Mapper Maintenance > Search

Map - Mapper for Mitigant Type to Standard Mitigant Type - 1514359498413 - 1

Search

Hier - Map Common Mitigant Type:

Hier - Map Common Standard Mitigant Type:

Excluded:

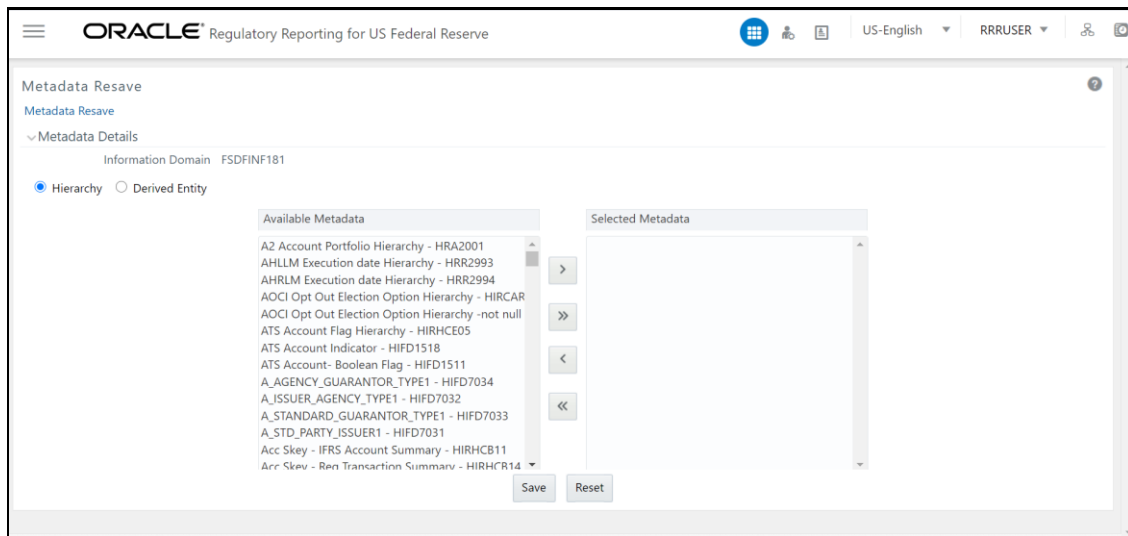
Prerequisites for Mapper Maintenance

- After logging into the OFSAAI applications page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Administration**, and then select **Save Metadata**. Load all the required user-specific dimensions using SCD.
- To Resave these hierarchies, select these hierarchies and click **Save**.
 - HCMDF001 - Hier - Map Common Product
 - HCMDF002 - Hier - Map Common Standard Product Type
 - HCMDF003 - Hier - Map Common Party Type
 - HCMDF004 - Hier - Map Common Standard Party Type

- HCMDF005 - Hier - Map Common Interest Rate Curve
- HCMDF006 - Hier - Map Common Standard Interest Rate Curve
- HCMDF007 - Hier - Map Common Line of Business
- HCMDF008 - Hier - Map Common Standard Line of Business
- HCMDF009 - Hier - Map Common Credit Line Type
- HCMDF010 - Hier - Map Common Standard Credit Line Type
- HCMDF011 - Hier - Map Common Credit Line Purpose
- HCMDF012 - Hier - Map Common Standard Credit Line Purpose
- HCMDF013 - Hier - Map Common Mitigant Type
- HCMDF014 - Hier - Map Common Standard Mitigant Type
- HCMDF015 - Hier - Map Common Balance Category
- HCMDF016 - Hier - Map Common Standard Balance Category
- HCMDF017 - Hier - Map Common General Ledger Code
- HCMDF018 - Hier - Map Common Standard General Ledger Type
- HCMDF019 - Hier - Map Common Vehicle Type
- HCMDF020 - Hier - Map Common Standard Vehicle Type
- HCMDF021 - Hier - Map Common Write Off Reasons
- HCMDF022 - Hier - Map Common Standard Write Off Reasons
- HCMDF023 - Hier - Map Common Recovery Type
- HCMDF024 - Hier - Map Common Standard Recovery Type
- HRLMP001 - HIR - RLMP Industry Codes
- HRLMP002 - HIR - RLMP Regulatory Industry Codes
- HRLMP003 - HIR - RLMP Application Status
- HRLMP004 - HIR - RLMP Regulatory Application Status
- HRLMP005 - HIR - RLMP Document Type
- HRLMP006 - HIR - RLMP Regulatory Document Type
- HRLMP007 - HIR - RLMP Account Status
- HRLMP008 - HIR - RLMP Regulatory Account Status
- HRLMP009 - HIR - RLMP Regulatory Account Purpose
- HRLMP010 - HIR - RLMP Organization Unit Code
- HRLMP011 - HIR - RLMP Line of Business Code
- HRLMP012 - HIR - RLMP Std Secondary Line of Business
- HRLMP013 - HIR - RLMP Underlying Type
- HRLMP014 - HIR - RLMP Regulatory Underlying Type

- HRLMP501 - HIR - RLMP Property Type
- HRLMP502 - HIR - RLMP Regulatory Property Type
- HRLMP503 - HIR - RLMP Account Purpose
- HRLMP504 - HIR - RLMP Regulatory Loan Purpose
- HRLMP505 - HIR - RLMP Account Status Code
- HRLMP506 - HIR - RLMP Regulatory Credit Status
- HRLMP507 - HIR - RLMP Sec Pool Type
- HRLMP508 - HIR - RLMP Regulatory Sec Pool Type

Figure 10: Metadata Resave page



Possible Mapping Combinations

One Standard Dimension table in the source can be mapped only to one Standard Dimension table. One to Many or Many to Many mapping leads to an error in T2T as the records are duplicated. From the illustration, the possible combinations for Mitigant Type to Standard Mitigant Type Mapping are One to One and Many to One Mapping.

- One to One Mapping: You can map one Mitigant Type data model to one Standard Mitigant Type data model using the Mapper Maintenance screen. Here, you must select one value in the Mitigant Type data model and one value in the Standard Mitigant Type Data Model.
- Many to One Mapping: You can map many values in the Mitigant Type Data Model to one value in the Standard Mitigant Type Data Model using the Mapper Maintenance Screen.

To conduct One to One or Many to One mapping:

5. After logging into the OFSAI Applications Page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Administration**, and then select **Map Maintenance**.

Figure 11: Map Maintenance Page

Map Maintenance

Information Domain: FSDFINF181 Segment: FSDFSEG

Default Security Map: Not Set

Buttons: Add, View, Edit, Copy, Delete, Mapper Maintenance, Default Security Map

Name	Version	Description	Dynamic	Inherit member	Map type	Database View name
1514359600480	1	Mapper for Balance Category to Standard Balance Category	Yes	Yes	Data Filter	MAP_BAL_CAT_STD_BAL_CAT
1524045220417	1	Mapper for Common Recovery Type to Standard Recovery Type	Yes	Yes	Data Filter	MAP_RECVR_TYP_STD_RECVR_TYP
1511528494678	1	Mapper for Credit Line Purpose to Standard Credit Line Purpose	Yes	Yes	Data Filter	MAP_CRDLN_PUR_STD_CRDLN_PUR
1511527713328	1	Mapper for Credit Line Type to Standard Credit Line Type	Yes	Yes	Data Filter	MAP_CRDLN_TYP_STD_CRDLN_TYP
1497513837744	1	Mapper for Credit Score Model To Reg Credit Score Model	Yes	Yes	Data Filter	MAP_CREDIT_SCR_MDL_REG_MDL
1523447233065	1	Mapper for General Ledger Account to Standard General Ledger Account Type	Yes	Yes	Data Filter	MAP_DIM_GL_ACCT_STD_GL_TYPE
1494610765133	1	Mapper for GL Code to Repline Code	Yes	Yes	Data Filter	MAP_GL_CODE_REP_LINE
1511442223838	1	Mapper for Interest Rate Code to Standard Interest Rate Code	Yes	Yes	Data Filter	MAP_DIM_IRC_STD_IRC
1511442482993	1	Mapper for Line of Business Code to Standard Line of Business Code	Yes	Yes	Data Filter	MAP_DIM_LOB_STD_LOB
1514359498413	1	Mapper for Mitigant Type to Standard Mitigant Type	Yes	Yes	Data Filter	MAP_MITG_TYP_STD_MITGN_TYP
1511441945154	1	Mapper for Party Type Code to Standard Party Type Code	Yes	Yes	Data Filter	MAP_PARTY_TYP_STD_PARTY_TYP
1511441227779	1	Mapper for Product Code to Standard Product Code	Yes	Yes	Data Filter	MAP_PROD_CODE_STD_PROD_TYPE
1524044256132	1	Mapper for Vehicle Type to Standard Vehicle Type	Yes	Yes	Data Filter	MAP_VEHCL_TYP_STD_VEHCL_TYP

- Click Create new Map icon to create a new map or select an existing Map. For illustration, Mapper for Party Type Code to Standard Party Type Code value is selected. Click the Mapper Maintenance icon.
- The Mapper Maintenance window opens (in this illustration, the Map - Mapper for Party Type Code to Standard Party Type Code Window opens). To conduct One to One or Many to One mapping, in the Member Combinations section, click Add.

Figure 12: Map Maintenance Add Page

Mapper Maintenance > Search

Map - Mapper for Party Type Code to Standard Party Type Code - 1511441945154 - 1

Search Search Reset

Hier - Map Common Party Type: Hier - Map Common Standard Party Type:

Excluded: []

Member combinations(2) Add Remove Pushdown Page 1 / 1

Hier - Map Common Party Type	Macro	Hier - Map Common Standard Party Type	Macro	Excluded
MSG - Missing	Self & Desc	MSG - Missing	Self & Desc	N
OTH - Others	Self & Desc	OTH - Others	Self & Desc	N

Search Search Reset

Hier - Map Common Party Type: Hier - Map Common Standard Party Type:

Mapped members(2) Page 1 / 1

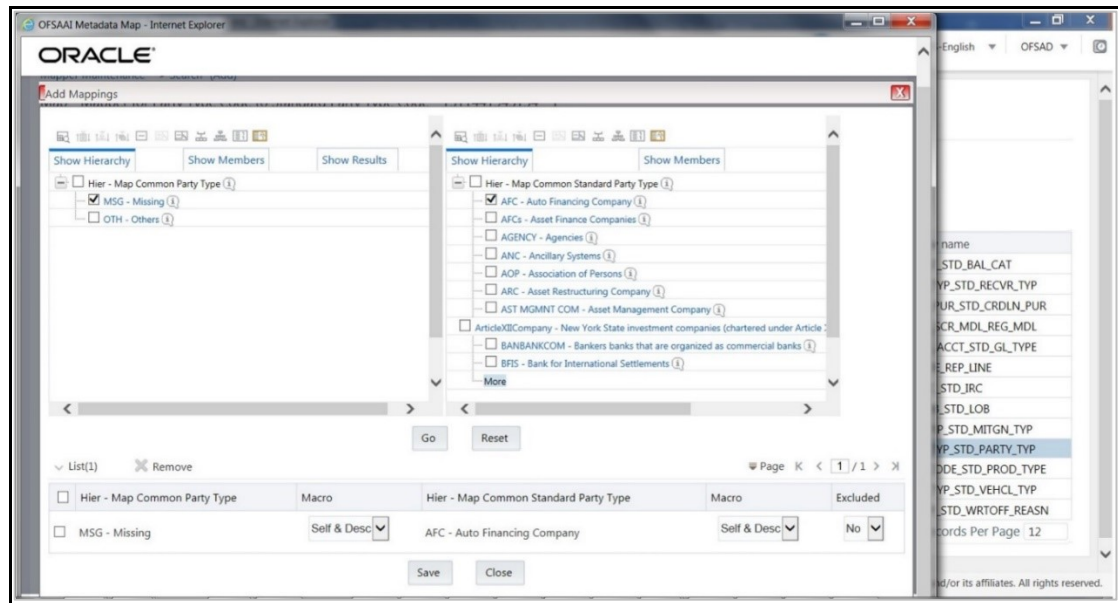
Hier - Map Common Party Type	Hier - Map Common Standard Party Type
MSG - Missing	MSG - Missing
OTH - Others	OTH - Others

Records Per Page: 12

- The Add Mappings pop-up window opens. In this illustration:
 - To map One to One, select one value in the Hier - Map Common Mitigant Type Data Model and one value in the Hier - Map Common Standard Mitigant Type Data Model, and click Go. Repeat this step for each One to One data model mapping, and then click Save.

In this illustration, MSG - Missing is mapped to AFC - Auto Financing Company.

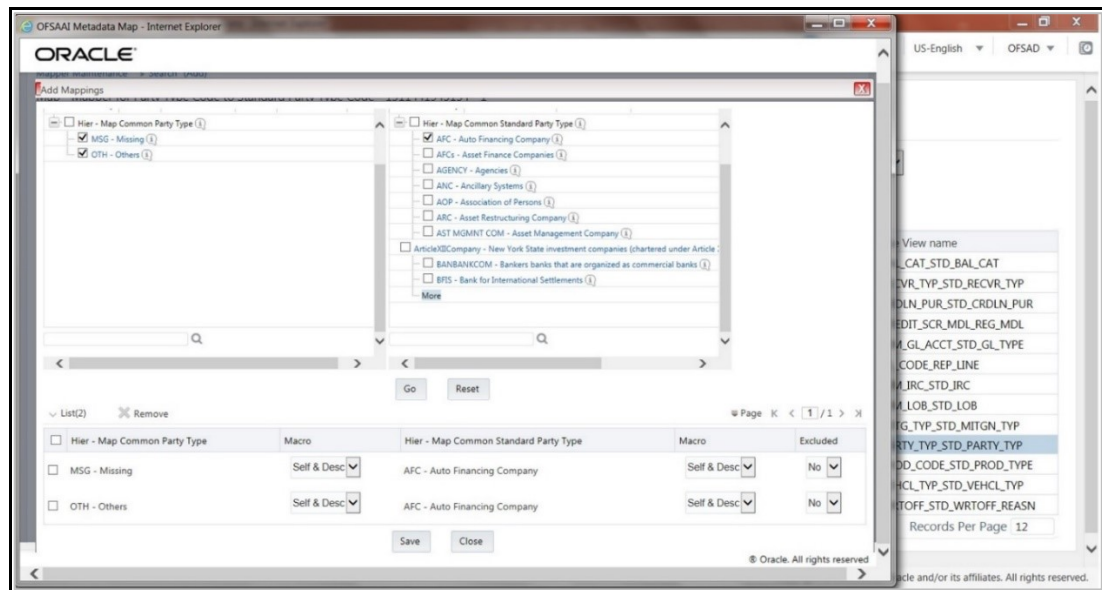
Figure 13: One to One Mapping Page



- To map Many to One, select multiple (two in this illustration) values in the Hier - Map Common Mitigant Type Data Model and one value in the Hier - Map Common Standard Mitigant Type Data Model, and then click Go. Click Save.

In this illustration, MSG-Missing and OTH-Others are mapped to the AFC-Auto Financing Company.

Figure 14: One to Many Mapping Windows



- An acknowledgment is displayed: *Confirm Save?* To confirm and save data, click Yes. In the Mapper Maintenance Window, in the Mapped combinations and the Mapped Member's Sections, you can see the newly conducted mapping.

6.2.5.3 Reclassified to Regulatory Classifications

After transformation, the Regulatory Data is reclassified as follows.

Table 28: 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 29: 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 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 the ready-to-use rule can differ from what you have. Such rules are very few and restricted to the following:

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

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

6.2.6 Process Modelling Framework for App Integration

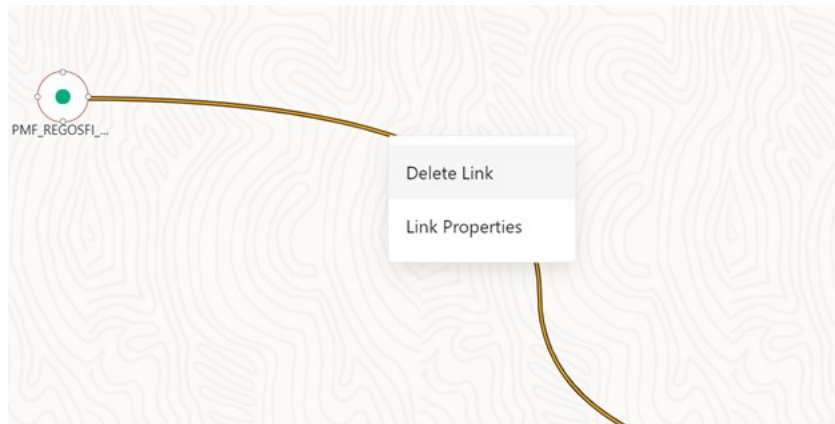
After designing and saving the Process Flow Diagram, the Process is listed in the *Process Modeler* Page.

To select the Run Parameters and execute the Run, follow this procedure:

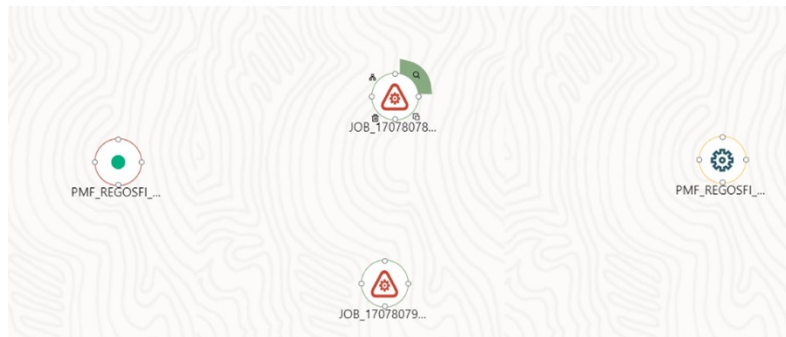
1. After logging into the OFSAAI Applications Page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Process Modelling Framework**, and select **Process Modeller**.
2. Open OSFI Regulatory Reporting Run.

Process Id 1691166784659	Version	Instances	I Institutions Canada	18:26:33
Description OSFI Regulatory Reporting Rank Base Load Process			Type SUBRUNPROCESS	
OSFI Regulatory Reporting Run	0	1	Application Regulatory Reporting Office of the Superintendent of Financial Institutions Canada	Last Modified By SYSADMIN
Process Id 1669044749051	Version	Instances		Last Modified Date 2024-02-12
Description OSFI Regulatory Reporting Run			Type RUN	18:26:33
OSFI Regulatory Reporting App Integration Data Load	0	1	Application Regulatory Reporting Office of the Superintendent of Financial Institutions Canada	Last Modified By SYSADMIN

- Right-click **PMF_REGOSFI_APP_INT_LOAD_PROCESS** and then click **Delete Link**.



- Create nodes for LLFP and IFRS.



- Click on the first node and enter the following values:

The form displays the configuration for the first node. It includes a sidebar with a 'Process' tab and a main area with the following fields:

- Status: [Dropdown]
- App Package ID: Regulatory Reporting Office of the Superintenden... [Dropdown]
- Process ID: 1707808340564 - LLFP_POI [Dropdown]
- Object ID: [Dropdown]
- Entity ID: [Dropdown]
- Object Type: Entity ID [Dropdown]
- Data Field Pass: [Text Field]

A green checkmark icon is visible at the bottom right of the form.

- Name Process Code, Process Name as **LLFP_POI**.
- Select **App Package ID** as Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada.

- Object ID = Entity.
 - Object Type = Entity.
6. Save and update the node for IFRS.
 7. Open LLFP_POI by clicking on right corner of icon.
 8. Pull in Load T2T icon from left and service task.
 9. Click on the Load T2T icon and name it as LoadT2T_FCT_LLFP_ACCOUNT_SUMMARY.
 - Datastore name = FSDFINFO.
 - Load mode = Table2 Table.
 - Source name = EXT.STAGING.
 - File Name =T2T_FCT_LLFP_ACCOUNT_SUMMARY.
 10. Save and click **Create Link**. Similarly create a link for IFRS.



11. Save it as Run - OSFI Regulatory Reporting Run.

6.2.7 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.

- 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, the customs data flow design must 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.

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 following options to maintain consistency in terms of Data Lineage in Metadata Browser as the configured metadata can be made available in the Meta-Model through 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

Topics:

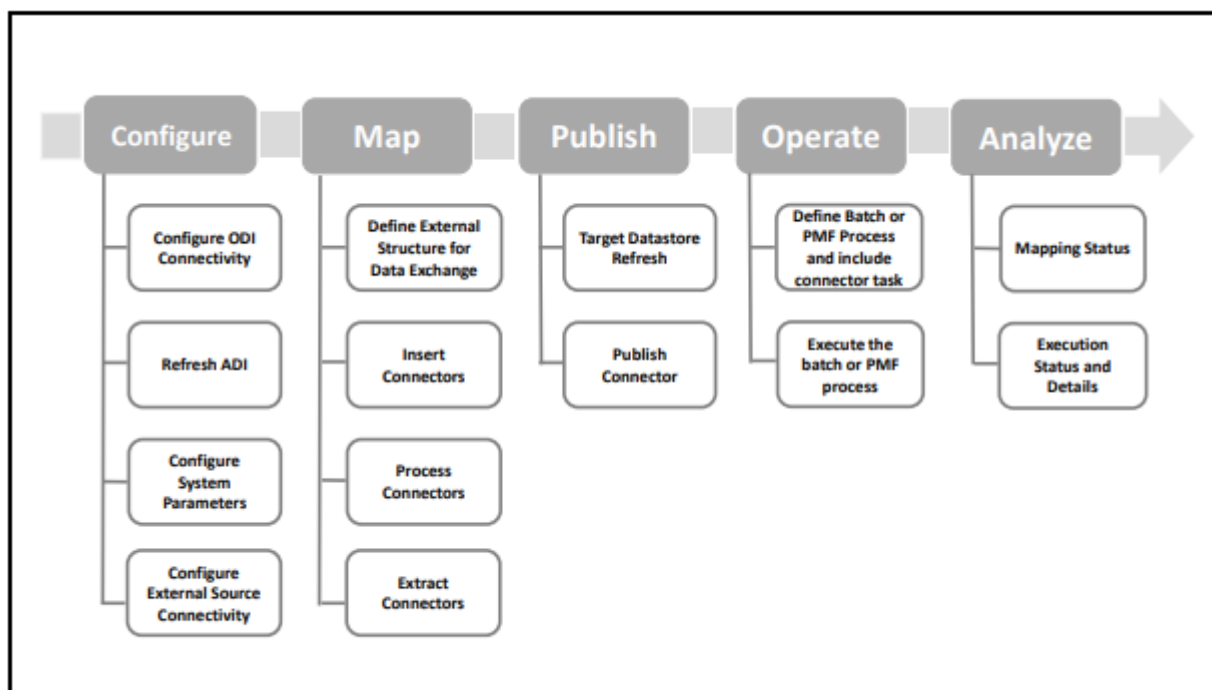
- [DIH Connectors](#)
- [Data Mapping \(T2T\)](#)
- [Data File Mapping \(Flat File to RDBMS Target - F2T\)](#)

6.2.7.1 DIH Connectors

If you have a licensed DIH to Source the Data from the external systems into OFSAA, a DIH Connector is the recommended approach to load the data into results. The Source Data could either reside in a relational structure or a file structure. The mappings maintained in DIH are logical and they abstract the physical references including the Dimensional Lookups seamlessly without the need for any additional join or configuration.

See the [Data Integration Hub \(DIH\) User Guide](#), for more information about loading the data into a Result Area Table.

Figure 15: DIH Connectors



6.2.7.2 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 [OFSAAI User Guide](#) for more details on configuring a T2T.

6.2.7.3 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 [OFSAAI User Guide](#), for more details on configuring an F2T.

6.2.8 Setup Master Configuration

Please refer to [FSDf user guide](#) for setup master configuration. The seeded Dimension table DIM_GAAP holds the possible GAAP values. The appropriate GAAP code for run must be updated in the setup master table V_COMPONENT_VALUE for V_COMPONENT_CODE = DEFAULT_GAAP.

The staging area tables, require GAAP value in V_GAAP_CODE column for each account. Only accounts in staging area with the same GAAP value as the default GAAP value participate in the data flow for a given run. Hence it is important to update the setup master table before run execution.

6.2.9 FSDF Entity Information

The FSDF Entity Information is given in the Dimension Tables and Data Elements Documents available on the MOS Page.

OFS Regulatory Reporting for Office of Superintendent of Financial Institutions Canada - Dimension Tables <release version>.

OFS Regulatory Reporting for Office of Superintendent of Financial Institutions Canada - Data Elements <release version>.

6.2.10 Fact Tables or 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 the 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 is available in the OFS Regulatory Reporting for Office of Superintendent of Financial Institutions Canada - Data Elements <release version> document in the MOS Page.

6.3 Overview of OFS REG REP OSFI 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 OSFI UI](#)
- [Viewing Schedule Summary](#)
- [Viewing Cell Summary](#)

6.3.1 Logging in to OFS REG REP OSFI UI

After the applications are installed and configured, to access the OFS REG REP OSFI 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 OSFI UI, follow these steps:

1. Enter the OFSAAI URL in your browser.
The OFSAAI Login Page is displayed.

Figure 16: OFSAAI Log In

ORACLE Financial Services Analytical Applications [About](#)

Language: US-English

User ID:

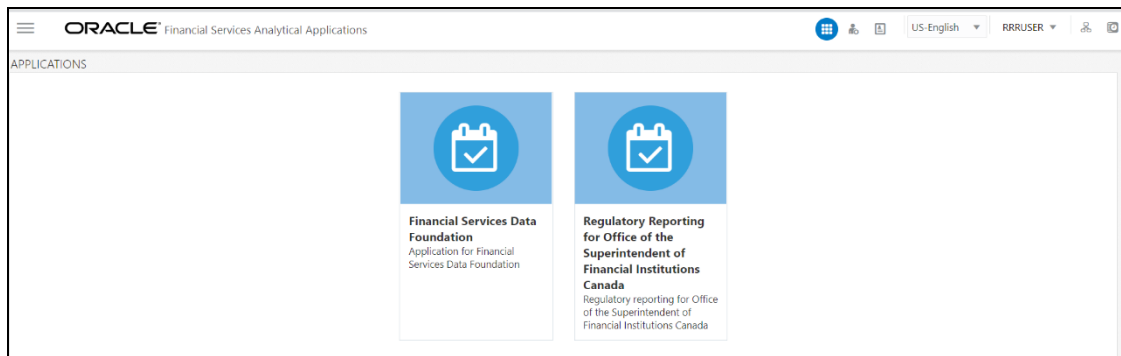
Password:

Login

Version 8.1.0.0.0
Copyright © 1993, 2020, Oracle and/or its affiliates. All rights reserved.

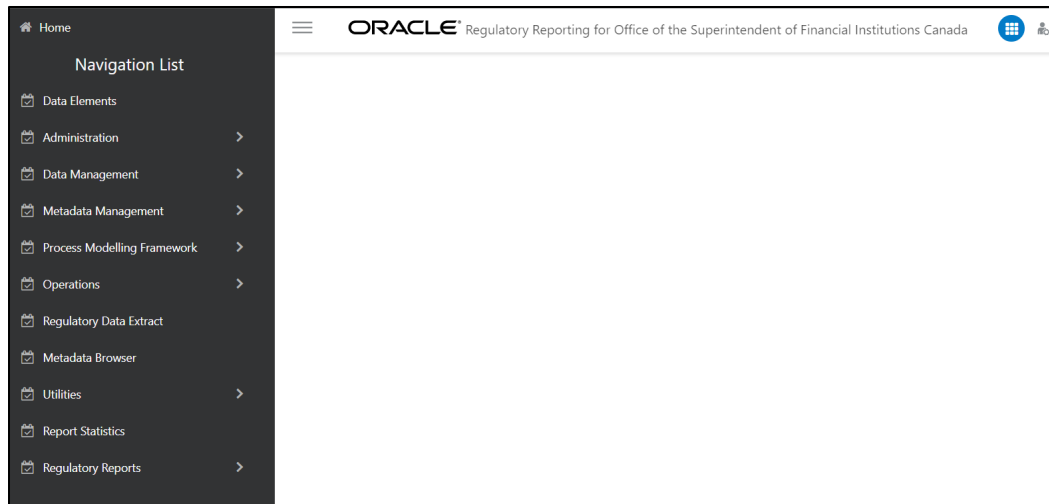
2. Select the desired language from the **Language** drop-down list.
3. Enter your **User ID** and **Password**.
When you log into OFSAAI, the **OFSAA Applications** Page is displayed.

Figure 17: OFSAA Applications Screen



Select the **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**. The Regulatory Reporting for Office of Superintendent of Financial Institutions Canada Landing Page is displayed.

Figure 18: Regulatory Reporting for Office of Superintendent of Financial Institutions Canada Page



4. Select the Navigation Menu  in the OFS REG REP OSFI UI to access the following windows:

- a. Home
- b. Data Elements
- c. Administration
 - i. Map Maintenance
 - ii. Save Metadata
- d. Data Management
 - i. Data Sources
 - ii. Data Mapping
 - iii. Post Load Changes
 - iv. DMT Configurations
- e. Metadata Management
 - i. Alias
 - ii. Build Hierarchy
 - iii. Measure
 - iv. Dataset
 - v. Business Processor
 - vi. Derived Entity
 - vii. Rule
 - viii. Process
 - ix. Run
 - x. Reports

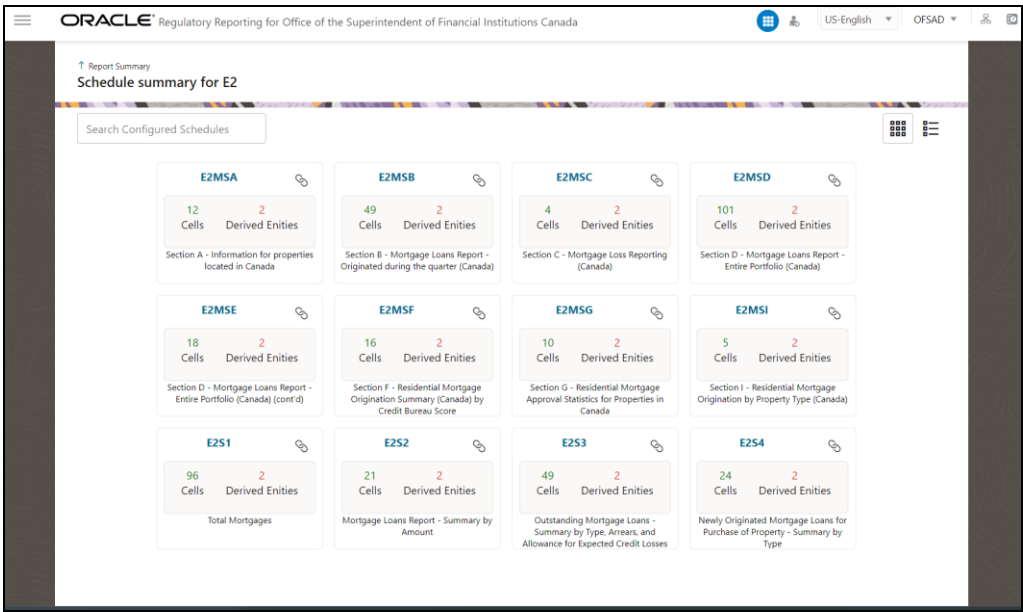
- xi.** Data Quality Rules
 - xii.** Data Quality Groups
 - f.** Process Modelling Framework
 - i.** Process Modeller
 - ii.** Process Monitor
 - g.** Operations
 - i.** Batch Maintenance
 - ii.** Batch Execution
 - iii.** Batch Scheduler
 - iv.** Batch Monitor
 - v.** Batch Cancellation
 - vi.** View Log
 - vii.** Processing Report
 - h.** Regulatory Data Extract
 - i.** Metadata Browser
 - j.** Utilities
 - i.** Metadata Report
 - k.** Report Statistics
 - l.** Regulatory Reports
 - i.** Report Mappings
 - ii.** Report Publish

6.3.2 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 37).

For example, the Schedule Summary Window for the E2 Report is displayed as follows.


Figure 19: Schedule Summary Screen



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 20) at the bottom right corner allows you to see more reports than the ones currently displayed on the window.

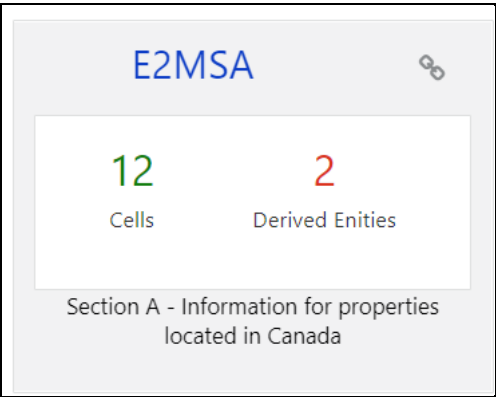
NOTE Select the  icon on the top right corner to return to the Report Summary Window.

6.3.2.1 Schedule Information

Each tile or 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 the count of Utilized Derived Entities.

For example, the Schedule Page3 tile is displayed as follows. Select the Schedule Code to navigate to the Cell Information Window.

Figure 20: Schedule Information



7

OFSAA Features

This chapter provides an understanding of the AAI Components used in the solution and Dimensional Mapping.

Topics:

- [OFSAA Infrastructure](#)
- [Business Metadata](#)
- [Derived Entity](#)
- [Dimension Mapping](#)

Regulatory Reporting Solution (RRS) configures the data hand-off structure to reporting 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.

7.1

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 21: OSFI Landing Page



7.2 Business Metadata

In addition to Derived Entity, RRS uses the following OFSAA features to create the Business Metadata. For details on the features, see the [OFS Analytical Applications Infrastructure User Guide](#).

- **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 versus Liability versus 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.

7.3 Derived Entity

It is the primary component of OFSAA used for OFS REG REP OSFI. Regulatory Reporting Solution uses Derived Entity to create a physical materialized view which is then queried by reporting portal using Preset Data Handoff 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 Dataset or a Source Application. An Entity can be used to define other Business Metadata such as Measures, Hierarchies, Dimensions, Datasets, 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 **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Metadata Management**, and then select **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 22: Derived Entity Summary Page




The screenshot shows the 'Derived Entity Summary Page' in the Oracle Regulatory Reporting application. The page includes a search and filter section with fields for 'Code' and 'Short Description', and a 'Source Type' dropdown. Below this is a table of existing derived entities. The 'Add' button is highlighted with a red box.

Code	Short Description	Long Description	Creation Date	Source Type	Materialize View
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes
DEAD/001	DE - Regulatory Adjustments	DE - Regulatory Adjustments	Wed Apr 15 19:03:34 IST 2020	Dataset	Yes

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


Figure 23: Derived Entity User Interface

**ORACLE** Regulatory Reporting for Office of the Superintendent of Financial Institutions
Canada



US-English ▾

OFSAD



Derived Entity Details

Home > Summary Screen > Derived Entity Details

Derived Entity Details

* Code

* Short Description

Long Description

* Source Type

Dataset ▾

Aggregate

☐

Materialize View

☐

Dataset Name

... ▾

Source Name

... ▾

Refresh Interval

None ▾

Refresh Method

None ▾

Enable Query Rewrite

☐

Parallelism

Hint

Prebuilt Table

☐

Partition

... ▾

Generate Wrapper View

☐

Retain History

☐

Reset

Metadata Tree

Save

Close

8 Executing Run through Process Modelling Framework in OFS REG REP OSFI

Process Modeling Framework (PMF) is a design and Execution Framework that enables the Process Pipeline Developers to implement various Pipelines modeled by the Business Analysts. The Process Pipeline Developers use the framework to orchestrate the Business Pipelines and the Run Pipelines within OFSAA and to design the artifacts that participate in the Pipelines to complete their implementation.

This chapter provides information about the usage of the Process Modeling Framework (PMF) Feature in the Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions Canada (OFS REG REP OSFI) Application.

NOTE

For detailed information about the Process Modeling Framework (PMF) feature in OFSAA, see the [Process Modelling Framework Orchestration Guide](#).

This chapter includes the following topics:

- [Overview](#)
- [Designing a Pipeline in OFS REG REP OSFI](#)
- [Verifying the Execution Logs](#)

8.1 Overview

In OFS REG REP OSFI, Process Modelling Framework (PMF) is used to create a Run Definition in a Run Process. The visual representation of the Run is enabled through PMF by the construction of a Run Pipeline. PMF is a feature in parallel to the Run Management Feature. Through the PMF, you can execute the following two Ready-to-use Runs for Data Loading:

- Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions Canada (OFS REG REP OSFI) Sourced Run.
- Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutions Canada (OFS REG REP OSFI) Execution Run.

8.2 Designing a Pipeline in OFS REG REP OSFI

You can design the process flow diagrams for both the processes (Business Process Pipeline and Run Pipeline). This is an example of a Process Flow Diagram for a Run Pipeline (for OFS REG REP OSFI Sourced Run).

After you create, design, and define the process in the Process Flow Diagram, you must assign values to the Run Parameters, and execute the Run. You can execute a Run Pipeline from the UI or using a command-line utility called `wfExecExternal.sh`.

This section includes the following topics that describe the Run Pipeline Execution from the UI:

- [Selecting the Run Parameters and Executing the Run](#)
- [Verifying the Run Execution](#)
- [Verifying the Execution Logs](#)

NOTE

For information about executing the Run Pipeline using a Command-Line Utility, see the section *Using Command Line Utility* in the [Process Modelling Framework Orchestration Guide](#).

8.2.1 Selecting the Run Parameters and Executing the Run

After designing and saving the Process Flow Diagram, the Process is listed in the *Process Modeler* Page.

To select the Run Parameters and execute the Run, follow this procedure:


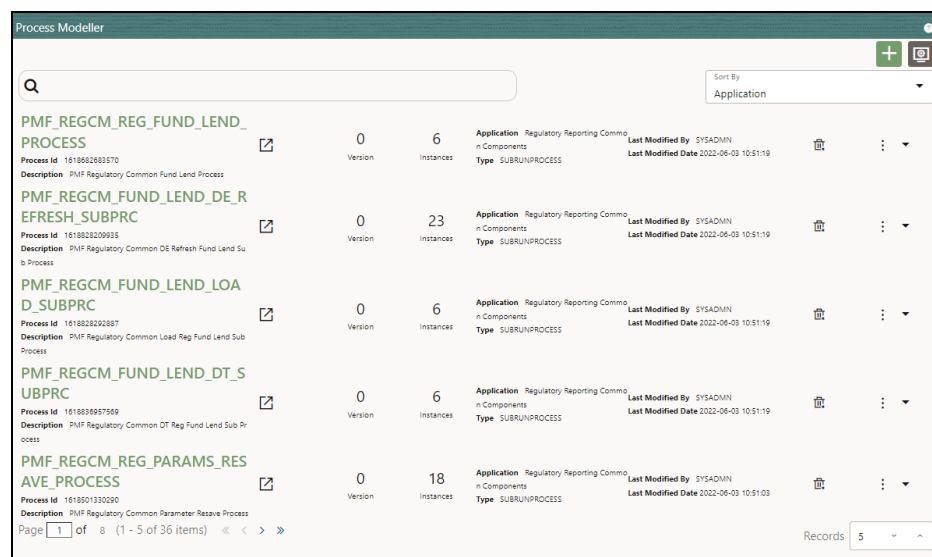
3. After logging into the OFSAAI Applications Page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Process Modelling Framework**, and select **Process Modeller**.
4. In the **Process Modeller** Page, click **More**  corresponding to the Run Pipeline that must be executed.

Figure 24: Process Modeler Screen



Process Name	Version	Instances	Application	Last Modified By	Last Modified Date
PMF_REGCM_REG_FUND_LEND_PROCESS	0	6	Regulatory Reporting Commo	SYSDM	2022-06-03 10:51:19
PMF_REGCM_FUND_LEND_DE_REFRESH_SUBPRC	0	23	Regulatory Reporting Commo	SYSDM	2022-06-03 10:51:19
PMF_REGCM_FUND_LEND_LOA_D_SUBPRC	0	6	Regulatory Reporting Commo	SYSDM	2022-06-03 10:51:19
PMF_REGCM_FUND_LEND_DT_SUBPRC	0	6	Regulatory Reporting Commo	SYSDM	2022-06-03 10:51:19
PMF_REGCM_REG_PARAMS_RES_AVE_PROCESS	0	18	Regulatory Reporting Commo	SYSDM	2022-06-03 10:51:03

5. When you click **Execute Run**, the **Select Run Params** Window is displayed.

Figure 25: Select Run Parameter Screen

Execution ✕

With Parameters

FIC MIS Date
03/31/2021

Consolidation Hierarchy
Default Org Structure Hierarchy

Consolidation Type
Consolidated ▼

Intra Company Elimination
No ▼

GAAP Code
CAGAAP - Canada GAAP

Reporting Currency
CAD - Canadian Dollar

Legal Entity
Canada Development Entity

✓

6. Select the **Execution Type** as **With Parameters** from the drop-down list.
7. Select or enter the required values for each field as follows.

Table 30: Run Parameter Fields and Descriptions

Field Name	Description or Instruction
Reporting Currency	Enter the Reporting Currency Code used to calculate the amount during the data population in the Target Table.
Legal Entity	Select the Legal Entity Code to identify the Legal Entity used for the Run.
Consolidation Type	Select the Consolidation Type of Legal Entities on a solo or consolidation basis. In a Solo Run, only the Selected Legal Entity is used. In a Consolidated Run, along with the Selected Legal Entity, all its Child Legal Entities are also used.
Intra Company Elimination	Select the Intra Company Elimination type to eliminate (YES) or skip the elimination (NO) of Intra Company Accounts during a Consolidated Run.

Field Name	Description or Instruction
Consolidation Hierarchy	Enter the Legal Entity Hierarchy used for the consolidated Run. This parameter is not required for the Solo Run.
GAAP Code	Enter the required accounting standard.
FIC MIS Date	Select the Extraction Date.
BackDated Execution	Select the option Yes from the drop-down list if the Run is executed for a Prior Date else NO . For example, Regulatory refiling.
Run Execution Description	Enter a longer description of the Run.

8. When you click , the Run execution begins. The **Select Run Params** Window closes.

NOTE

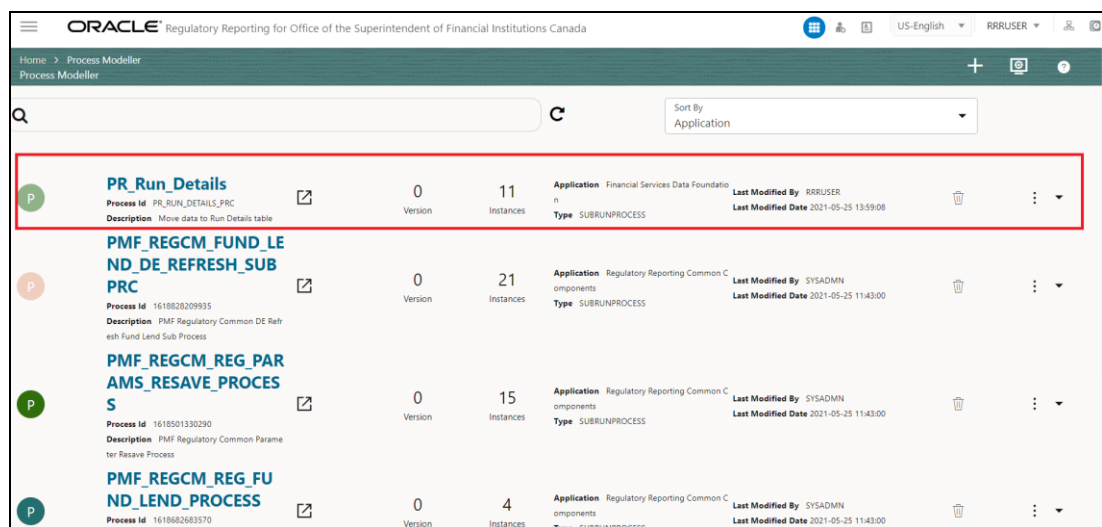
The execution of the Run Pipeline is triggered using the selected FIC MIS DATE. The Run SKey is generated and inserted into the DIM_RUN table. For the Run SKey generated, the corresponding user-selected Run parameters are inserted into the RUN_EXE_PARAMETERS table.

8.2.2 Verifying the Run Execution

After selecting the Run Parameters and beginning the Run Execution, verify the progress of the Run. To verify the Run Execution Progress, follow this procedure:

1. In the **Process Modeler** Page, click **More**  corresponding to the Run Pipeline that must be verified. Click **Process Flow Monitor**.

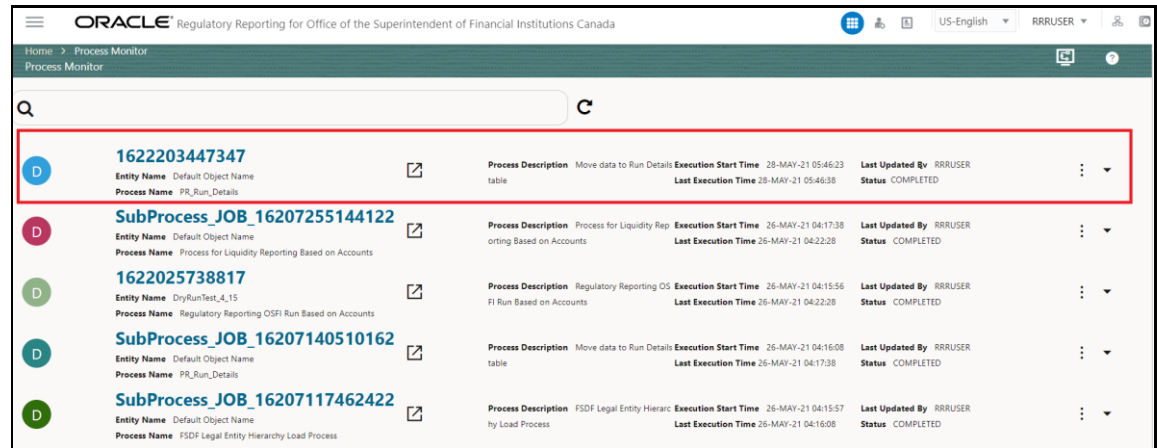
Figure 26: Process Modeler Run Execution Screen




Process Name	Process ID	Version	Instances	Application	Last Modified By/Date
PR_Run_Details Description: Move data to Run Details table	PR_RUN_DETAILS_PRC	0	11	Financial Services Data Foundation	Last Modified By: RRRUSER Last Modified Date: 2021-05-25 13:59:08
PMF_REGCM_FUND_LEND_DE_REFRESH_SUB_PRC Description: PMF Regulatory Common DE Refresh Fund Lend Sub Process	1619820209935	0	21	Regulatory Reporting Common Components	Last Modified By: SYSADMIN Last Modified Date: 2021-05-25 11:43:00
PMF_REGCM_REG_PARAMS_RESAVE_PROCESSES Description: PMF Regulatory Common Parameter Resave Process	1618501330290	0	15	Regulatory Reporting Common Components	Last Modified By: SYSADMIN Last Modified Date: 2021-05-25 11:43:00
PMF_REGCM_REG_FUND_LEND_PROCESS Description: PMF Regulatory Common Fund Lend Process	161982063570	0	4	Regulatory Reporting Common Components	Last Modified By: SYSADMIN Last Modified Date: 2021-05-25 11:43:00

- The **Process Monitor** Window is displayed. You can see the generated process flow ID, the Run Execution timestamp, and the status of the Run Execution. To verify the Run Execution status at the Pipeline level, click the corresponding Process Flow ID.

Figure 27: Process Monitor Screen



Process Flow ID	Entity Name	Process Name	Process Description	Execution Start Time	Last Execution Time	Last Updated By	Status
1622203447347	Default Object Name	PR_Run_Details	Move data to Run Details table	28-MAY-21 05:46:23	28-MAY-21 05:46:38	RRRUSER	COMPLETED
SubProcess_JOB_16207255144122	Default Object Name	Process for Liquidity Reporting Based on Accounts	Process for Liquidity Reporting Based on Accounts	26-MAY-21 04:17:38	26-MAY-21 04:22:28	RRRUSER	COMPLETED
1622025738817	DryRunTest_4_15	Regulatory Reporting OSFI Run Based on Accounts	Regulatory Reporting OSFI Run Based on Accounts	26-MAY-21 04:15:56	26-MAY-21 04:22:28	RRRUSER	COMPLETED
SubProcess_JOB_16207140510162	Default Object Name	PR_Run_Details	Move data to Run Details table	26-MAY-21 04:15:56	26-MAY-21 04:17:38	RRRUSER	COMPLETED
SubProcess_JOB_16207117462422	Default Object Name	FSDF Legal Entity Hierarchy Load Process	FSDF Legal Entity Hierarchy Load Process	26-MAY-21 04:15:57	26-MAY-21 04:16:08	RRRUSER	COMPLETED

- The Process Flow Diagram Window is displayed. The  icon at each Sub Pipeline indicates that the Run Execution is successful.

NOTE


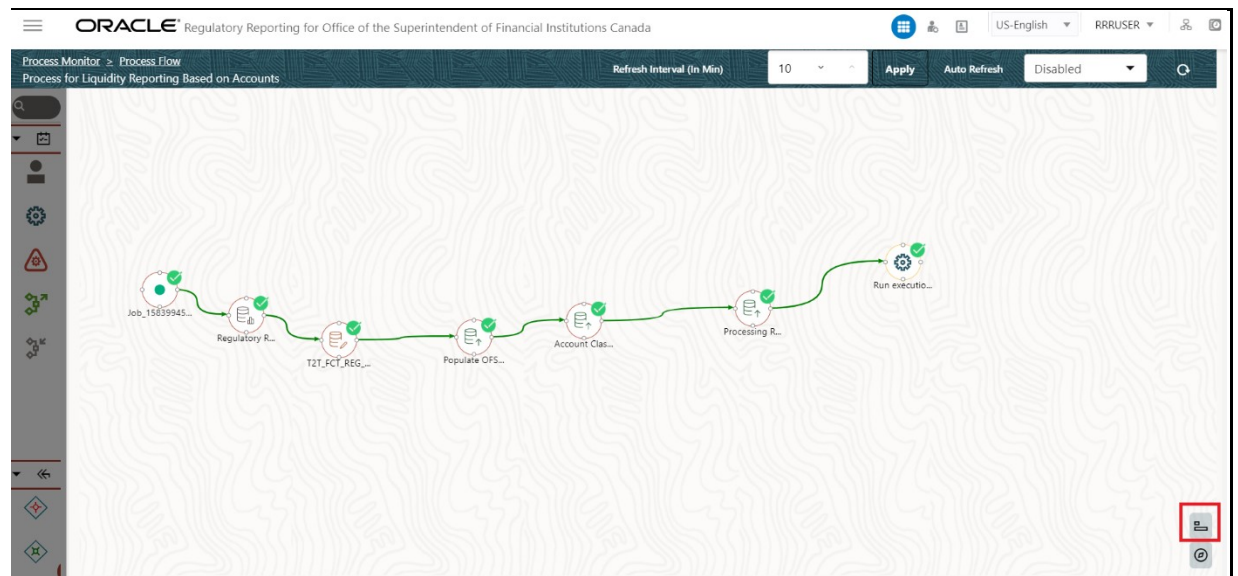


The  icon at each Sub Pipeline indicates that the Run Execution is unsuccessful.

Figure 28: Run Pipeline Process Flow Diagram



NOTE

The  icon shows the entire label of the nodes in the Process Flow Diagram and the  icon shows the nodes navigation in the diagram.

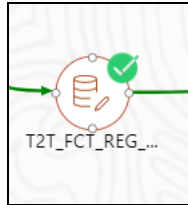
8.2.3 Verifying the Execution Logs

You can access the execution logs to verify the details of the Run.

To verify the execution log, follow these steps:

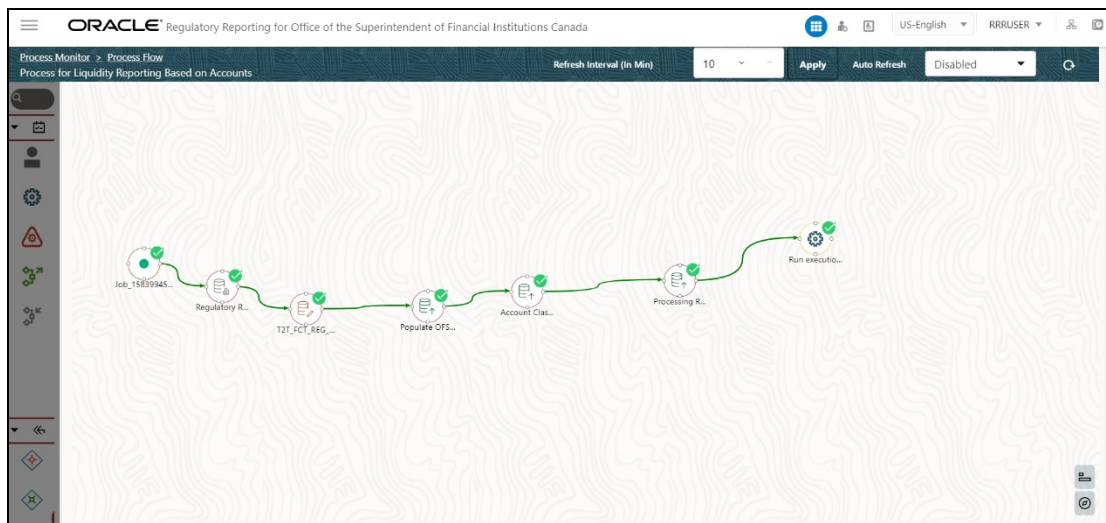
1. In the **Process Monitor** Window, click the required Process Flow ID. The Process Flow Diagram is displayed in a new window. Double click on the required Sub Pipeline. The **Execution Logs** Window is displayed.

Figure 29: Sub Pipeline



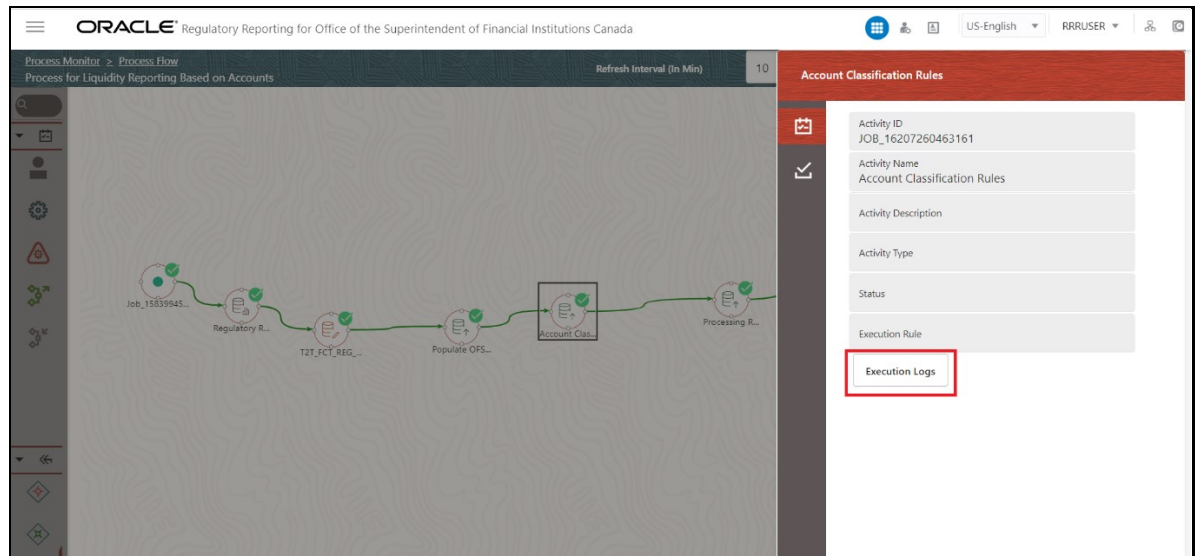
2. Click the required metadata to verify the Execution Log.

Figure 30: Execution Logs



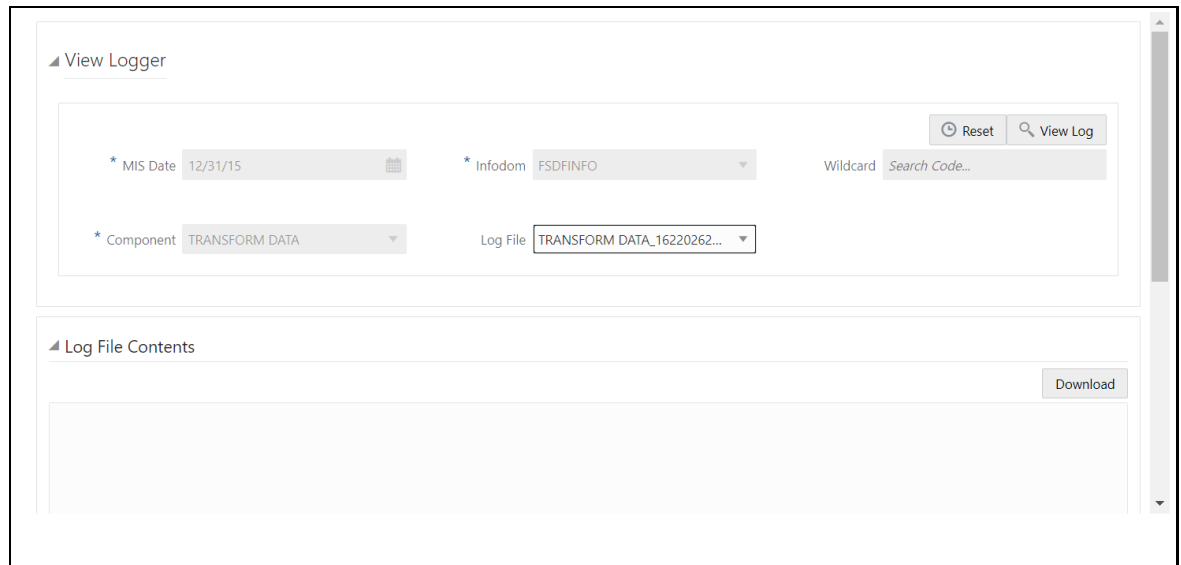
3. Click the required node and the Activity Window is displayed.

Figure 31: Activity Logs



4. Click **Execution Logs**. The Log File Details Page is displayed.

Figure 32: Log File



5. Select the **Log File** that you wish to view from the drop-down list and click **View Log**. The Run Execution Log details are displayed.

Figure 33: Run Execution Log

View Logger

* MIS Date 12/31/15 * Infodm FSDFINFO Wildcard Search Code...

* Component TRANSFORM DATA Log File TRANSFORM DATA_16220262...

Log File Contents

Download

LOGGING STARTED FOR DTCPP: 26-05-21 10:50:11 GMT AM

[26-05-21 10:50:11 GMT AM][INFO][BACKEND][OFSAA][DTCPP] TFM ID value : FN_EXECUTE_REPLINE_QRY_AC
[26-05-21 10:50:11 GMT AM][INFO][BACKEND][OFSAA][DTCPP] Information Domain value : FSDFINFO
Connecting to Host

Alternatively, to verify the execution logs, click the  icon in the Process Flow Diagram Window. The log details of the Run Execution are displayed in a new window.

Figure 34: Run Execution Logs

ORACLE Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada

Process Monitor > Process Flow

Process for Liquidity Reporting Based on Accounts

Refresh Interval (In Min) 10

Account Classification Rules

[2021-05-26 16:20:08.597] *** Activity Execution Begins Now...Account Classification Rules.Initiated By User.[RRRUSER]

persistDatafieldToHistory.[WF_SVC_PROP_VALUE_6=, WF_PARENT_OBJECT_ID=1622025738817, WF_SVC_PROP_VALUE_5=, WF_SVC_PROP_VALUE_4=, WF_SVC_PROP_VALUE_3=, WF_STATUS=, WF_IN_SVC_PROP=, WF_SEGMENT_CODE=FSDFSEG, WF_OBJECT_NAME=Default Object Name, RCY=USD, WF_MISDATE=, WF_SVC_PROP_VALUE_2=, WF_SVC_PROP_VALUE_1=, WF_CALLBACK_TASK_RESPONSE=1622026188588_475 WF_RUNSK=53, WF_OBJECT_ID=SubProcess_JOB_16207255144122, WF_OUTCOME_ID=, WF_USERID=RRRUSER, ACTIVITY_CHAIN=RR_OSFI_ACC_RUN~~JOB_16207255 PROCESS_CHAIN=RR_OSFI_ACC_RUN~~RR_OSFI_ACC, WF_OBJECT_TYPE=SubProcess_RR_OSFI_ACC_RUN_12c3f56-45d9-bb77-9a9a3cbbec71_JOB_16207255144122, V.RUN.MAIN.DESC=DryRunTest_4_15, WF_IN_MSG_REC=, WF_ENTITYID=SubProcess_JOB_16207255144122, WF_LOCALE=en_US, CALLER_TYPE=, GAAP=IFRS, WF_INSTANCE=RR_LQ_RPT_ACC_PRC_c34afdc9-4ae9-49fc-b2c7-e3b48ffe9bdc, WF_PARENT_OBJECT_TYPE=MOCK_EXECUTION, variableId=, WF_AUTHORIZATION=, WF_TASK_RESPONSE=1622026188588_47519555.

For detailed information about the complete functioning of the PMF, see the [Process Modelling Framework Orchestration Guide](#).

9 Regulatory Reports

In order to verify the existing logic, to enable and disable the mapping paths at a high level and at each mapping ID level, to publish the reports, to enable and disable the published reports, to re-execute and overwrite the publish reports there are two new features introduced such as Reports Mapping and Reports Publish in the OFS REG REP OSFI application.

Currently the Regulatory Reporting logic is built inside the Configuration Package and hence any additional configuration is not supported in the REG REP OSFI application. To enable this additional configuration, the reporting logic is now moved from the existing Configuration Package to OFSAA. The logic for computing the MDRM values are located in OFSAA, and the Configuration Package will perform as a Key Value Pair for each MDRM. Adjustments will still be distinct, and the same values will be supplied as adjustments into the Configuration Package.

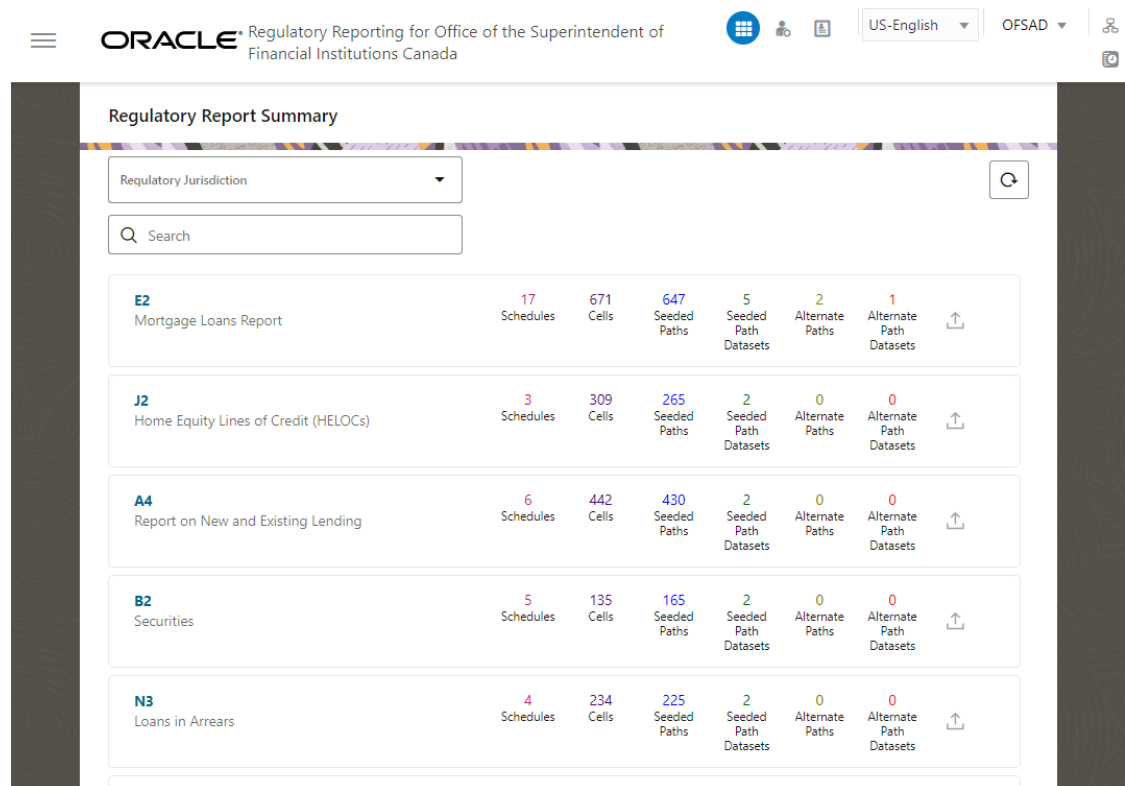
9.1 Manage Report Mappings

This section provides the procedures to view, enable and disable the mappings at a high level and at each mapping ID level and to add a configuration in the OFS REG REP OSFI application.

View Report Mappings

1. After logging into the OFSAAI applications page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Regulatory Reports**, then select **Report Mappings**.

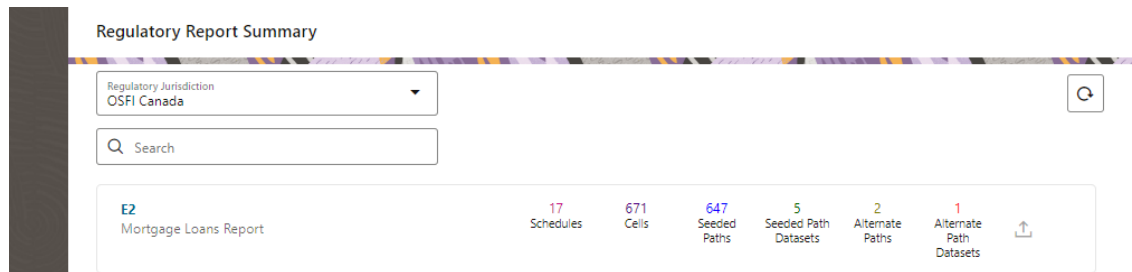
Figure 35: Regulatory Reporting Summary Page



Regulatory Report Summary						
Regulatory Jurisdiction						
Search						
E2 Mortgage Loans Report	17 Schedules	671 Cells	647 Seeded Paths	5 Seeded Path Datasets	2 Alternate Paths	1 Alternate Path Datasets
J2 Home Equity Lines of Credit (HELOCs)	3 Schedules	309 Cells	265 Seeded Paths	2 Seeded Path Datasets	0 Alternate Paths	0 Alternate Path Datasets
A4 Report on New and Existing Lending	6 Schedules	442 Cells	430 Seeded Paths	2 Seeded Path Datasets	0 Alternate Paths	0 Alternate Path Datasets
B2 Securities	5 Schedules	135 Cells	165 Seeded Paths	2 Seeded Path Datasets	0 Alternate Paths	0 Alternate Path Datasets
N3 Loans in Arrears	4 Schedules	234 Cells	225 Seeded Paths	2 Seeded Path Datasets	0 Alternate Paths	0 Alternate Path Datasets

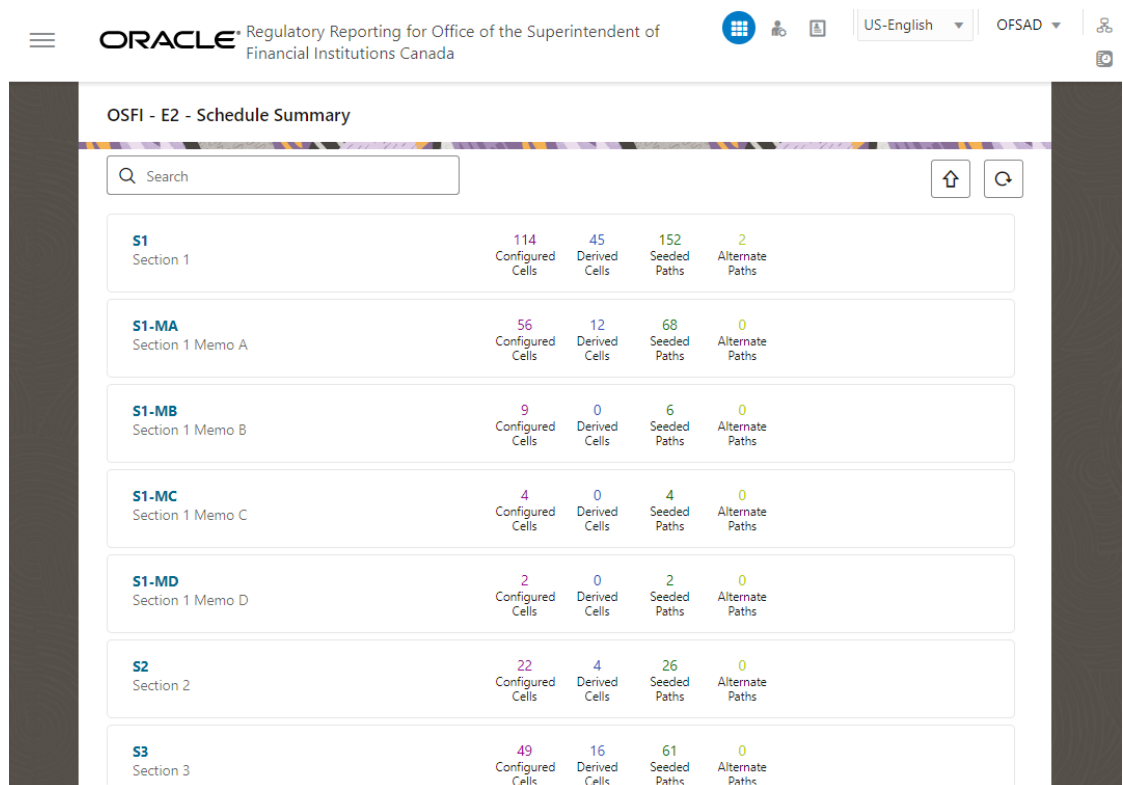
2. Select the **Regulatory Jurisdiction** from the dropdown list and in the **Search Pane**, enter the report that you wish to add the additional configuration.

Figure 36: Regulatory Report Summary Result page



3. Click on the **E2** Report link and the list of schedules associated with the report is displayed.

Figure 37: Report Schedule Summary Page




4. Click on any one of the schedules and the Reporting Line-Item Summary page is displayed.



Figure 38: Schedule Based Reporting Line-Item Summary Page

Line Item	Description	Seeded Paths	Seeded Measures	Seeded Filters	Alternate Paths
2370	Line Item 1(a) - Column 1 - Mortgages secured by properties located in Canada : Mortgage loans outstanding at end of previous quarter : Residential : Insured	1	1	4	0
2401	Line Item 1(a) - Column 2 - Mortgages secured by properties located in Canada : Mortgage loans outstanding at end of previous quarter : Residential : Uninsured	1	1	4	0
2300	Line Item 1(a) - Column 3 - Mortgages secured by properties located in Canada : Mortgage loans outstanding at end of previous quarter : Residential : Of Which : Properties with more than 4 units	1	1	3	0
2426	Line Item 1(a) - Column 4 - Mortgages secured by properties located in Canada : Mortgage loans outstanding at end of previous quarter : Non-Residential : Non-farm	1	1	3	0
2445	Line Item 1(a) - Column 5 - Mortgages secured by	1	1	3	0

5. Select the line item for which you wish to view the seeding mapping details. Select the **Seeded Mapping Template Version** and the **Seeded Mapping Logic Version** from the dropdown list for this specific line item to view its seeded mapping path details.

Figure 39: Seeded Mapping Details Page


Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada


US-English


OFSAD

OSFI - E2 - S1 - 2370 - Line Item 1(a) - Column 1 - Mortgages secured by properties located in Canada : Mortgage loans outstanding at end of previous quarter : Residential : Insured - Mapping Paths

Seeded Mapping Template Version
Q1-2022

Seeded Mapping Logic Version
8.1.2.4.0






Seeded Mapping Paths ☒

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled
Seeded Account 1 for E2 Section 1 2370	Account	End of Period Balance	(Standard Product Type are ('Mortgage Loans' or First Home Mortgages or Consumer Other Residential Mortgages or Proprietary reverse mortgages or Home Equity Conversion Mortgage (HECM) reverse mortgages or Residential Mortgages) and Mitigant Regulatory Property Type are ('1unit	<input checked="" type="checkbox"/>

Adjustment Mapping Paths

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
Adjustments for E2 S1 2370	Adjustments	Adjustment Amount	(Report Code is ('E2') and Schedule Code is ('S1') and Cell Identifier is ('2370'))

Alternate Mapping Paths



The seeded mapping details consists of the reporting logic for mapping such as Measures, and Attributes and Values seeded by the application. Each line item can contain one or many mapping IDs associated with it. You can either enable and disable the entire seeded mapping of a line-item or enable and disable specific mapping of a line-item in the application.

- Double-click on any one of the Attribute Conditions of the existing Seeded Mappings to view the Mapping Path.

Figure 40: Mapping Data Path for a Line Item Window

Mapping Data Path for E2 - S1 - 2370 - Line Item 1(a) - Column 1 - Mortgages secured by properties located in Canada : Mortgage loans outstanding at end of previous quarter : Residential : Insured

Mapping Name
Seeded Account 1 for E2 Section 1 2370

Mapping Type
Seeded

Reported As Of
Previous End of Quarter

Reporting Dataset
Account

Reporting Measure
End of Period Balance

Schedule Level Attribute Conditions
(Product Balance Sheet Category is ('Asset') and
Underlying Securitized Flag is ('No') and
Intra Company Account Flag is ('No'))

Reporting Line Level Attribute Conditions
(Standard Product Type are ('Mortgage Loans' or First Home Mortgages or Consumer Other Residential Mortgages or Proprietary reverse mortgages or Home Equity Conversion Mortgage (HECM) reverse mortgages or Residential Mortgages) and
Mitigant Regulatory Property Type are ('1unit cooperative dwelling' or Townhouse or Single family residential or Condo or Condominium unit- part of an apartment or Two to four units or 5 Plus Units) and
Mitigant Property Location Country is ('Canada') and
Account Insurance Flag is ('Yes'))

OK

7. Click **OK** to close this window.

Enable or Disable Seeding Mapping Path

This section provides the procedure to enable or disable the Seeded Data Mapping Details.

8. In the **Seeded Data Mapping Details** Page, you can enable or disable the Seeded Mapping Details.

Figure 41: Seeded Mapping Details Page

Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada

US-English

OFSAD

OSFI - E2 - S1 - 2370 - Line Item 1(a) - Column 1 - Mortgages secured by properties located in Canada : Mortgage loans outstanding at end of previous quarter : Residential : Insured - Mapping Paths

Seeded Mapping Template Version
Q1-2022

Seeded Mapping Logic Version
8.1.2.4.0

↑

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Seeded Mapping Paths ☒

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled
Seeded Account 1 for E2 Section 1 2370	Account	End of Period Balance	(Standard Product Type are ('Mortgage Loans' or First Home Mortgages or Consumer Other Residential Mortgages or Proprietary reverse mortgages or Home Equity Conversion Mortgage (HECM) reverse mortgages or Residential Mortgages) and Mitigant Regulatory Property Type are ('1unit	<input checked="" type="checkbox"/>

Adjustment Mapping Paths

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
Adjustments for E2 S1 2370	Adjustments	Adjustment Amount	(Report Code is ('E2') and Schedule Code is ('S1') and Cell Identifier is ('2370'))

Alternate Mapping Paths

+

- You can disable the **Seeding Mapping Paths** option to disable all the line items under this specific Seeded Mapping.

Figure 42: Disabled Seeding Mapping Details Page

Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada

US-English

OFSAD

OSFI - E2 - S1 - 2370 - Line Item 1(a) - Column 1 - Mortgages secured by properties located in Canada : Mortgage loans outstanding at end of previous quarter : Residential : Insured - Mapping Paths

Seeded Mapping Template Version
Q1-2022

Seeded Mapping Logic Version
8.1.2.4.0

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Seeded Mapping Paths ☐

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled
Seeded Account 1 for E2 Section 1 2370	Account	End of Period Balance	(Standard Product Type are ('Mortgage Loans' or First Home Mortgages or Consumer Other Residential Mortgages or Proprietary reverse mortgages or Home Equity Conversion Mortgage (HECM) reverse mortgages or Residential Mortgages) and Mitigant Regulatory Property Type are ('1unit cooperative dwellings' or Townhouse or Single family residential or	<input type="checkbox"/>

Adjustment Mapping Paths

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
Adjustments for E2 S1 2370	Adjustments	Adjustment Amount	(Report Code is ('E2') and Schedule Code is ('S1') and Cell Identifier is ('2370'))

Alternate Mapping Paths

+

Or

10. You can disable the **Seeding Mapping of a specific Mapping ID** option.

Figure 43: Disable seeded Mapping of a Specific Mapping ID Page

USFED - FRY-15 - B - RISK2309 - Line Item 16 - Commercial paper - Mapping Paths

Seeded Mapping Template Version: v9 | Seeded Mapping Logic Version: 8.1.2.0.0

Seeded Mapping Paths ☒

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled
Seeded Account - 2 for RISK2309	Account	IFRS Account Fair Value	Balance Sheet Category is ('Liability') and Standard Product Type is ('Commercial Paper Issued') and Fair Value Option Flag is ('Yes') and Fiduciary Relationship Flag is ('No') and Intra Company Account Flag is ('No')	<input type="checkbox"/>
Seeded Account - 1 for RISK2309	Account	Regulatory Account Amorti	Balance Sheet Category is ('Liability') and Standard Product Type is ('Commercial Paper Issued') and Fair Value Option Flag is ('No') and Fiduciary Relationship Flag is ('No') and Intra Company Account Flag is ('No')	<input checked="" type="checkbox"/>

Adjustment Mapping Paths

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
--------------	--------------------	-------------------	----------------------

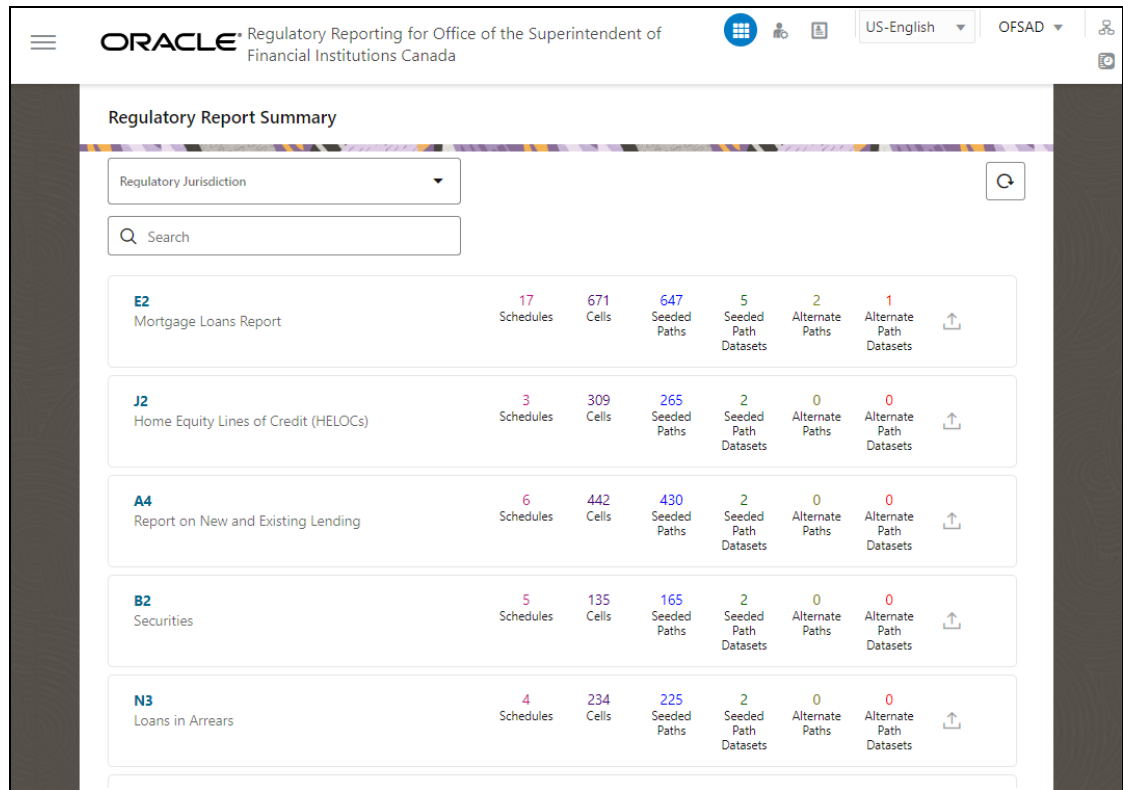
11. You can enable the disabled the Seeding Mapping Details of a specific line item or a Specific Mapping ID in the application.

Add Report Mappings

This section provides the procedure to add the Seeded Data Mapping Details.

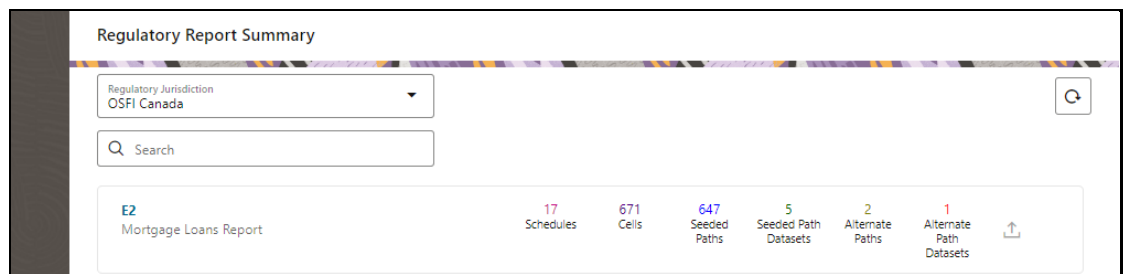
12. After logging into the OFSAAI Applications Page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Regulatory Reports**, then select **Report Mappings**.

Figure 44: Regulatory Reporting Summary Page



13. Select the **Regulatory Jurisdiction** from the dropdown list and in the **Search Pane**, enter the report that you wish to add the additional configuration.

Figure 45: Regulatory Report Summary Result Page



14. Click on the **J2** Report link and the list of schedules associated with the report is displayed.

Figure 46: Report Schedule Summary Page

OSFI - J2 - Schedule Summary				
<input type="text" value="Search"/> ↑ ↺				
S1 Section 1	185 Configured Cells	42 Derived Cells	183 Seeded Paths	0 Alternate Paths
S2 Section 2	20 Configured Cells	2 Derived Cells	22 Seeded Paths	0 Alternate Paths
S3 Section 3	56 Configured Cells	4 Derived Cells	60 Seeded Paths	0 Alternate Paths

15. Click on any one of the schedules and the **Reporting Line-Item Summary** page is displayed.

Figure 47: Schedule Based Reporting Line-Item Summary Page

OSFI - J2 - S1 - Reporting Line Item Summary				
<input type="text" value="Search"/> ↑ ↺				
0001 Line Item 1(a) - Column A - Residential Secured Lending (Excluding Business Loans) - Properties in Canada - Authorized Loan-To-Value Ratio (LTV Ratio) - Total Amount of Residential Secured Lending with Properties in Canada (Excluding Business Loans) (IN THOUSANDS OF DOLLARS) - HELOCs Outside of Combined Loan Plans - Authorized (A) - Authorized Loan-To-Value Ratio (LTV Ratio) - Unavailable LTV	1 Seeded Paths	1 Seeded Measures	3 Seeded Filters	0 Alternate Paths
0002 Line Item 1(b) - Column A - Residential Secured Lending (Excluding Business Loans) - Properties in Canada - Authorized Loan-To-Value Ratio (LTV Ratio) - Total Amount of Residential Secured Lending with Properties in Canada (Excluding Business Loans) (IN THOUSANDS OF DOLLARS) - HELOCs Outside of Combined Loan Plans - Authorized (A) - Authorized Loan-To-Value Ratio (LTV Ratio) - ? 0% to ? 10%	1 Seeded Paths	1 Seeded Measures	3 Seeded Filters	0 Alternate Paths
0003 Line Item 1(c) - Column A - Residential Secured Lending (Excluding Business Loans) - Properties in Canada - Authorized Loan-To-Value Ratio (LTV Ratio) - Total Amount of Residential Secured Lending with Properties in Canada (Excluding Business Loans) (IN THOUSANDS OF DOLLARS) - HELOCs Outside of Combined Loan Plans - Authorized (A) - Authorized Loan-To-Value Ratio (LTV Ratio) - > 10% to ? 20%	1 Seeded Paths	1 Seeded Measures	3 Seeded Filters	0 Alternate Paths

16. Select the line item for which you wish to view the seeding mapping details. Select the **Seeded Mapping Template Version** and the **Seeded Mapping Logic Version** from the dropdown list for this specific line item to view its Seeded Mapping Path Details.

Figure 48: Seeded Mapping Details Page

OSFI - J2 - S1 - 0001 - Line Item 1(a) - Column A - Residential Secured Lending (Excluding Business Loans) - Properties in Canada - Authorized Loan-To-Value Ratio (LTV Ratio) - Total Amount of Residential Secured Lending with Properties in Canada (Excluding Business Loans) (IN THOUSANDS OF DOLLARS) - HELOCs Outside of Combined Loan Plans - Authorized (A) - Authorized Loan-To-Value Ratio (LTV Ratio) - Unavailable LTV - Mapping Paths

Seeded Mapping Template Version
Q3-2022

Seeded Mapping Logic Version
8.1.2.4.0

↑

↺

Seeded Mapping Paths ☒

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled
Seeded Account 1 for J2 0001	Account	Sanctioned Limit	(Standard Product Type is ('Home Equity Line of credit') and Loan To Value Ratio at Origination Is Null and Standard Credit Line Type is other than ('Home Equity Line of Credit Combined with Mortgage and Other Loans'))	<input checked="" type="checkbox"/>

Adjustment Mapping Paths

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
Adjustments for J2 S1 0001	Adjustments	Adjustment Amount	(Report Code is ('J2') and Schedule Code is ('S1') and Cell Identifier is ('0001'))

Alternate Mapping Paths

+

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Edit	Delete
No data to display.					


17. Scroll down and click the **Add** icon  to add an alternative mapping path for an MDRM. The Alternative Mapping path page is displayed.

Figure 49: Alternative Mapping Details Addition page

OSFI - J2 - S1 - 0001 - Line Item 1(a) - Column A - Residential Secured Lending (Excluding Business Loans) - Properties in Canada - Authorized Loan-To-Value Ratio (LTV Ratio) - Total Amount of Residential Secured Lending with Properties in Canada (Excluding Business Loans) (IN THOUSANDS OF DOLLARS) - HELOCs Outside of Combined Loan Plans - Authorized (A) - Authorized Loan-To-Value Ratio (LTV Ratio) - Unavailable LTV - Mapping

Required

Reporting as of

☒ Reporting Date
☐ Previous End of Month
☐ Previous End of Quarter
☐ Previous End of Year

Required

Required

Aggregation Over Time

☐ Month to Date
☐ Quarter to Date
☐ Year to Date
☐ Inception to Date

Attribute Conditions

Attribute Name	Operator	Values	Action
No data to display.			

18. Enter information in the following fields.

Table 31: Alternative Mapping Details Addition

Field Name	Description or Instruction
Mapping Name	Enter the name of the new mapping configuration.
Mapping Description	Enter the description for the new mapping configuration.
Regulatory Dataset	Select the appropriate dataset from the dropdown list that will be used for Regulatory Reporting.
Measure	Select the appropriate measure from the dropdown list. The list of measure available is based on the regulatory dataset selection.


19. Click the Attribute **Add** icon  to add the attribute conditions for the MDRM. The Attribute Addition window is displayed.

Figure 50: Attribute Condition Add Window

OSFI - J2 - S1 - 0001 - Line Item 1(a) - Column A - Residential Secured Lending (Excluding Business Loans) - Properties in Canada - Authorized Loan-To-Value Ratio (LTV Ratio) - Total Amount of Residential Secured Lending with Properties in Canada (Excluding Business Loans) (IN THOUSANDS OF DOLLARS) - HELOCs Outside of Combined Loan Plans - Authorized (A) - Authorized Loan-To-Value Ratio (LTV Ratio) - Unavailable LTV - Mapping

Required

☒ Reporting Date
☐ Previous End of Month
☐ Previous End of Quarter
☐ Previous End of Year

Required

Required

☐ Month to Date
☐ Quarter to Date ☐ Year to Date
☐ Inception to Date

Attribute Conditions

Attribute Name	Operator	Values	Action
#			




20. Click the **Edit** icon  to add the attribute conditions such as **Attribute Name**, **Operator** and **Value** from the dropdown list.
21. Click the **Save** icon  to save the added attribute details.
22. Click the **Save** button  to save the added alternative mapping path in the application. A regulatory mapping added confirmation window is displayed.

Figure 51: Regulatory Mapping Added Confirmation Window

OSFI - J2 - S1 - 0001 - Line Item 1(a) - Column A - Residential Secured Lending (Excluding Business Loans) - Properties in Canada - Authorized Loan-To-Value Ratio (LTV Ratio) - Total Amount of Residential Secured Lending with Properties in Canada (Excluding Business Loans) (IN THOUSANDS OF DOLLARS) - HELOCs Outside of Combined Loan Plans - Authorized (A) - Authorized Loan-To-Value Ratio (LTV Ratio) - Unavailable LTV - Mapping

Mapping Name Classification Mapping Description

Reporting as of ☒ Reporting Date ☐ Previous End of Month ☐ Previous End of Quarter ☐ Previous End of Year

Regulatory Dataset Account Ledger Measure Average Balance Aggregation Over Time ☐ Month-to-Date

Regulatory Mapper
Success. The mapping has been successfully added.

OK

Attribute Conditions

+ -

Attribute Name	Operator	Values	Action
# Account Classification	Exclude	HFI	


23. Click the **Ok** button  and the newly added Alternative mapping path saved page is displayed.

Figure 52: Added Mapping Save page

OSFI - J2 - S1 - 0001 - Line Item 1(a) - Column A - Residential Secured Lending (Excluding Business Loans) - Properties in Canada - Authorized Loan-To-Value Ratio (LTV Ratio) - Total Amount of Residential Secured Lending with Properties in Canada (Excluding Business Loans) (IN THOUSANDS OF DOLLARS) - HELOCs Outside of Combined Loan Plans - Authorized (A) - Authorized Loan-To-Value Ratio (LTV Ratio) - Unavailable LTV - Mapping Paths

Seeded Mapping Template Version Q3-2022 Seeded Mapping Logic Version 8.1.5.4.0

Seeded Mapping Paths ☒

Mapping Name	To	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled	To
Seeded Account 1 for J2 0001	Account	Sanctioned Limit	(Standard Product Type is (Home Equity Line of credit) and Loan To Value Ratio at Origination is Null and Standard Credit Line Type is other than (Home Equity Line of Credit Combined with Mortgage and Other Loans))	<input checked="" type="checkbox"/>		


Adjustment Mapping Paths

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
Adjustments for J2 S1 0001	Adjustments	Adjustment Amount	(Report Code is (J2) and Schedule Code is (S1) and Cell Identifier is (0001))

Alternate Mapping Paths

+

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Edit	Delete
Classification	Account Ledger	Average Balance	Account Classification is other than (Held for Investment)		

24. Click the **Edit** icon  to edit the newly added seeded mapping details.

25. Click the **Delete** icon  to delete the added seeded mapping details.













9.2 Reports Publish

Before retrieving the report, this feature allows you to verify the reporting values after considering seeded mappings and alternate mappings.

To publish the reports, follow these steps:

1. After logging into the OFSAAI applications page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Regulatory Reports**, then select **Report Publish**.

Figure 53: Report Publish Execution Summary Page

Report Publish Summary												
<input type="text" value="Search"/>												Regulatory Jurisdiction
Report Publish Execution Summary												
+												
Execution ID	Execution Name	Reporting Date	Run Skey	Logic Version	Reporting Currency	Number of Entities	Number of Reports	Report Status	Re-Execute	Publish for Submission	Refresh Adjustments	Granularity Status
1004	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success				Publish Pending
1003	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success				Publish Pending
1002	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success				Publish Pending
1001	CHEF PUBLISH	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	9	Published				Published

2. Click the **Add** icon  to publish a report. The **Publish Reports** window is displayed.

Figure 54: Publish Reports Window

The screenshot shows a window titled "Publish Reports". It contains several input fields, each with an asterisk indicating it is required:

- Report Publish Name *
- Reporting Date: 04/08/2022 (with a calendar icon)
- Reporting Run * (dropdown menu)
- Legal Entities *
- Regulatory Jurisdiction * (dropdown menu)
- Logic Version * (dropdown menu)
- Regulatory Reports *

At the bottom of the window are two buttons: "Publish" and "Cancel".

3. Enter information in the following fields.

Table 32: Reports Publish

Field Name	Description or Instruction
Report Publish Name	Enter the business name of the publish.
Reporting Date	Select the maximum run execution date using the calendar. By default, the maximum run execution date is displayed for a group of runs executed in that period.
Reporting Run	Select the reporting run from the dropdown list.
Legal Entities	Select one or many legal entities from the dropdown list.
Regulatory Jurisdiction	Select the jurisdiction from the dropdown list.
Logic Version	Select the logical version of the seeding mapping of the report.
Regulatory Reports	Select the one or more regulatory reports from the dropdown list.

4. Click the **Publish** button to publish the report for the report to retrieve the fact table data. A confirmation window is displayed.



5. Click the **Ok** button to view the recently published report details in the Report Publish Execution summary.

9.2.1 Manage Reports Publish

This section provides information on the procedures to re-execute, final publish or view the published reports in the application.

Re-execute Published Reports

To re-execute the published reports, follow these steps:

1. After logging into the OFSAAI applications page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Regulatory Reports**, then select **Report Publish**.

Figure 55: Report Publish Summary Page

Report Publish Summary													
<input type="text" value="Search"/>													Regulatory Jurisdiction
Report Publish Execution Summary													
Execution ID	Execution Name	Reporting Date	Run Skey	Logic Version	Reporting Currency	Number of Entities	Number of Reports	Report Status	Re-Execute	Publish for Submission	Refresh Adjustments	Details	Granularity Status
1004	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1003	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1002	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1001	CHEF PUBLISH	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	9	Published					Published

2. Select the **Regulatory Jurisdiction** from the dropdown list and enter a specific report that you wish to view using the Search pane. The Report Publish Summary Result page is displayed.

Figure 56: Report Publish Execution Summary Page

Report Publish Summary													
<input type="text" value="e2"/>													Regulatory Jurisdiction
Report Publish Execution Summary													
Execution ID	Execution Name	Reporting Date	Run Skey	Logic Version	Reporting Currency	Number of Entities	Number of Reports	Report Status	Re-Execute	Publish for Submission	Refresh Adjustments	Details	Granularity Status
1004	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1003	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1002	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending


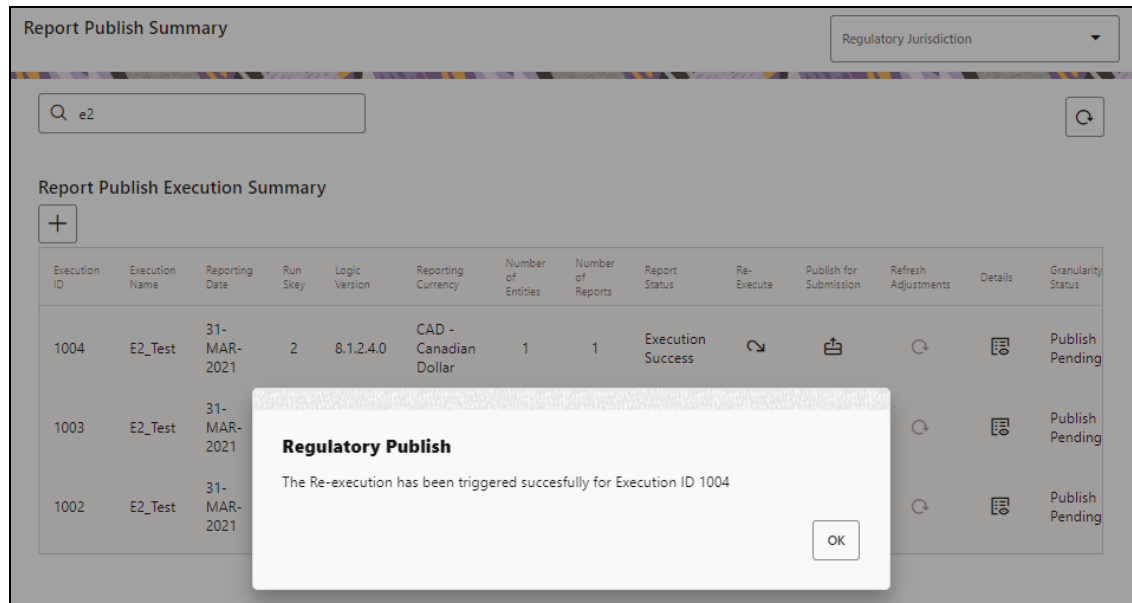
3. Click the **Re-execute** icon  to re-execute the published report details. The Report Publish Summary page is displayed.

Figure 57: Report Publish Re-execution Confirmation Window



- Click the **OK** button to re-execute the published report. The Report Publish Re-execution Confirmation Window is displayed. The status of the re-execution triggered report status changes to **Ongoing** in the application.

Figure 58: Report Publish Execution Summary Page

Report Publish Execution Summary													
Execution ID	Execution Name	Reporting Date	Run Skye	Logic Version	Reporting Currency	Number of Entities	Number of Reports	Report Status	Re-Execute	Publish for Submission	Refresh Adjustments	Details	Granularity Status
1004	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Ongoing					Publish Pending
1003	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1002	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1001	CHEF PUBLISH	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	9	Published					Published

Final Publish Reports

To final publish the reports, follow these steps:

- After logging into the OFSAAI applications page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Regulatory Reports**, then select **Report Publish**.

Figure 59: Report Publish Summary Page

Report Publish Summary													
<input type="text" value="Search"/>													<div>Regulatory Jurisdiction</div>
Report Publish Execution Summary													
+													
Execution ID	Execution Name	Reporting Date	Run Skey	Logic Version	Reporting Currency	Number of Entries	Number of Reports	Report Status	Re-Execute	Publish for Submission	Refresh Adjustments	Details	Granularity Status
1004	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1003	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1002	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1001	CHEF PUBLISH	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	9	Published					Published

2. Select the **Regulatory Jurisdiction** from the dropdown list and enter a specific report that you wish to view using the Search pane. The Report Publish Summary Result page is displayed.

Figure 60: Report Publish Execution Summary Page

Report Publish Summary													
<input type="text" value="1004"/>													<div>Regulatory Jurisdiction OSFI Canada</div>
Report Publish Execution Summary													
+													
Execution ID	Execution Name	Reporting Date	Run Skey	Logic Version	Reporting Currency	Number of Entries	Number of Reports	Report Status	Re-Execute	Publish for Submission	Refresh Adjustments	Details	Granularity Status
1004	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending


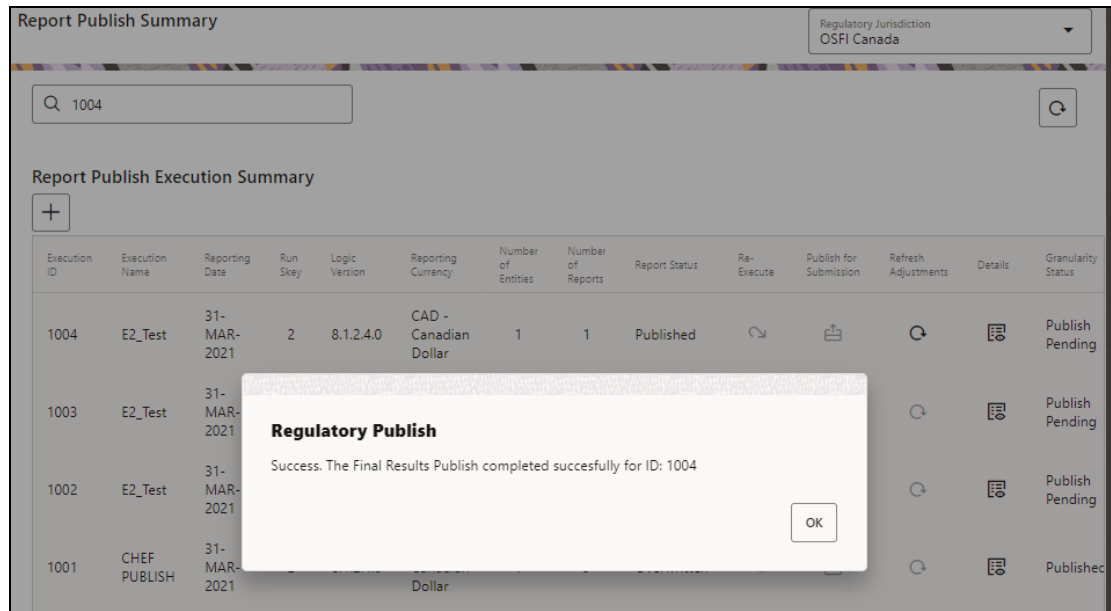
3. Click the **Publish for Submission** icon  to final publish the report. The Final Publish Report Confirmation Window is displayed.

Figure 61: Publish Report Summary Page



OK

- Click the **OK** button . The Final Report Publish Confirmation Window is displayed. The status of the final published report status changes to **Published** in the application.

Figure 62: Report Publish Execution Summary Page

Report Publish Summary												
Regulatory Jurisdiction US Federal Reserve												
9c												
Report Publish Execution Summary												
Execution ID	Execution Name	Reporting Date	Run Skel	Logic Version	Consolidation Hierarchy	Consolidation Type	Reporting Currency	Number of Entities	Number of Reports	Status	Re-Execute	Final Publish
1081	ttt	31-DEC-2015	3	8.1.2.0.0	MSG	CONSL - Consolidated	USD - US Dollar	1	1	Published		
1062	Sree	08-APR-2022	4	8.1.2.0.0	Default Org Structure Hierarchy	SOLO - Solo	0 - Default Currency	1	2	Execution Success		
1061	Execution1	08-APR-2022	4	8.1.2.0.0	Default Org Structure Hierarchy	SOLO - Solo	0 - Default Currency	1	1	Published		
1041	9c	31-DEC-2015	3	8.1.2.0.0	MSG	CONSL - Consolidated	USD - US Dollar	1	2	Execution Success		
1023	MISC	31-DEC-2015	3	8.1.2.0.0	MSG	CONSL - Consolidated	USD - US Dollar	1	17	Published		

View Published Reports

To view the published reports, follow these steps:

- After logging into the OFSAAI applications page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Regulatory Reports**, then select **Report Publish**.

Figure 63: Report Publish Summary Page

Report Publish Summary

Regulatory Jurisdiction

Search

Report Publish Execution Summary

Execution ID	Execution Name	Reporting Date	Run Skey	Logic Version	Reporting Currency	Number of Entities	Number of Reports	Report Status	Re-Execute	Publish for Submission	Refresh Adjustments	Details	Granularity Status
1004	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1003	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1002	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1001	CHEF PUBLISH	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	9	Published					Published

2. Select the **Regulatory Jurisdiction** from the dropdown list and enter a specific report that you wish to view using the Search pane. The Report Publish Summary Result page is displayed.

Figure 64: Report Publish Execution Summary Page

Report Publish Summary

Regulatory Jurisdiction
OSFI Canada

1004

Report Publish Execution Summary

Execution ID	Execution Name	Reporting Date	Run Skey	Logic Version	Reporting Currency	Number of Entities	Number of Reports	Report Status	Re-Execute	Publish for Submission	Refresh Adjustments	Details	Granularity Status
1004	E2_Test	31-MAR-2021	2	8.1.2.4.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending





3. Click the **View** icon  to view the published report details. The Report Publish Summary page is displayed.

Figure 65: Publish Report Summary Page

Publish - 1004 - Report Summary										
<input type="text" value="Search"/>										 
Publish Parameters										
Execution ID	Execution Name	Reporting Date	Run Key	Logic Version	Consolidation Hierarchy	Consolidation Type	Reporting Currency	Number of Entities	Number of Reports	Status
1004	E2_Test	31-MAR-2021	2	8.1.2.4.0	MSG	CONSL - Consolidated	CAD - Canadian Dollar	1	1	Published
Publish Report Summary										
Reporting Entity		Jurisdiction		Report Code		Number of Schedules		Status		Details
DEVENTITY - Canada Development Entity		OSFI		E2		17		Published		

4. Click the Reporting Entity that you wish to see. The **Report Schedule Summary** page is displayed.

Figure 66: Report Schedule Summary Page

Publish - 1001 - DEVENTITY - OSFI - J2 - Schedule Summary

Q

Search

↑

↺

Publish Parameters

Execution ID	Execution Name	Scheduling Date	Run Key	Logic Version	Consolidation Hierarchy	Consolidation Type	Reporting Currency	Jurisdiction Code	Report Code	Number of Schedules	Status
1001	CHEF PUBLISH	31-MAR-2021	2	8.1.2.4.0	MSG	CONSL - Consolidated	CAD - Canadian Dollar	OSFI	J2	3	Published

Publish Schedule Summary

Scheduling Entity	Jurisdiction	Jurisdiction	Schedule Code	Number of Cells	Number of Mapping Paths	Status	Details
DEVENTITY - Canada Development Entity	OSFI	J2	S1	183	183	Published	
DEVENTITY - Canada Development Entity	OSFI	J2	S2	22	22	Published	
DEVENTITY - Canada Development Entity	OSFI	J2	S3	60	60	Published	

5. Click the Schedule that you wish to see. The **Report Line Item Summary** details page is displayed.

Figure 67: Report Line Item Summary Details Page

Publish - 1001 - DEVENTITY - OSFI - J2 - S2 - Reporting Line Summary											
<input type="text" value="Search"/>											
Publish Parameters											
Execution ID	Execution Name	Celling Date	Run Skay	Logic Version	Consolidation Hierarchy	Consolidation Type	Reporting Currency	Schedule Code	Number of Reporti...	Number of Mappi...	Status
1001	CHEF PUBLISH	31-MAR-2021	2	8.1.2.4.0	MSG	CONSL - Consolidated	CAD - Canadian Dollar	S2	22	22	Published
Publish Reporting Line Summary											
Reporting Entity	Jurisdiction	Report Code	Schedule Code	Reporting Line Code	Number of Mapping Paths	Reporting Measure Value	Status	Details			
DEVENTITY - Canada Development Entity	OSFI	J2	S2	0069	1	\$140,000.00	Published				

- Click the Reporting Line item that you wish to see. The Mapping Details of the MDRM page is displayed.

Figure 68: Mapping Details Page

Publish - 1001 - DEVENTITY - OSFI - J2 - S2 - 0069 - Reporting Value Details											
<input type="text" value="Search"/>											
Publish Summary for 0069											
Execution ID	Execution Name	Celling Date	Run Skay	Logic Version	Consolidation Hierarchy	Consolidation Type	Reporting Currency	Reporting Line Code	Number of Mappi...	Reporting Measure Value	Status
1001	CHEF PUBLISH	31-MAR-2021	2	8.1.2.4.0	MSG	CONSL - Consolidated	CAD - Canadian Dollar	0069	1	\$140,000.00	Published
Publish Mapping Details for 0069											
Reporting Line Code	Mapping Name	Mapping Type	Reporting Measure Value	Status	Mapping Enabled	Enable for Submission					
0069	Seeded Account 1 for J2 0069	SEEDDED	\$140,000.00	Published	✓	<input type="checkbox"/>					

- You can disable or enable the MDRM for final publish.

NOTE

Once the Final Publish is completed, you cannot enable or disable the MDRM level values.

9.3 Drill-down of Published Reports

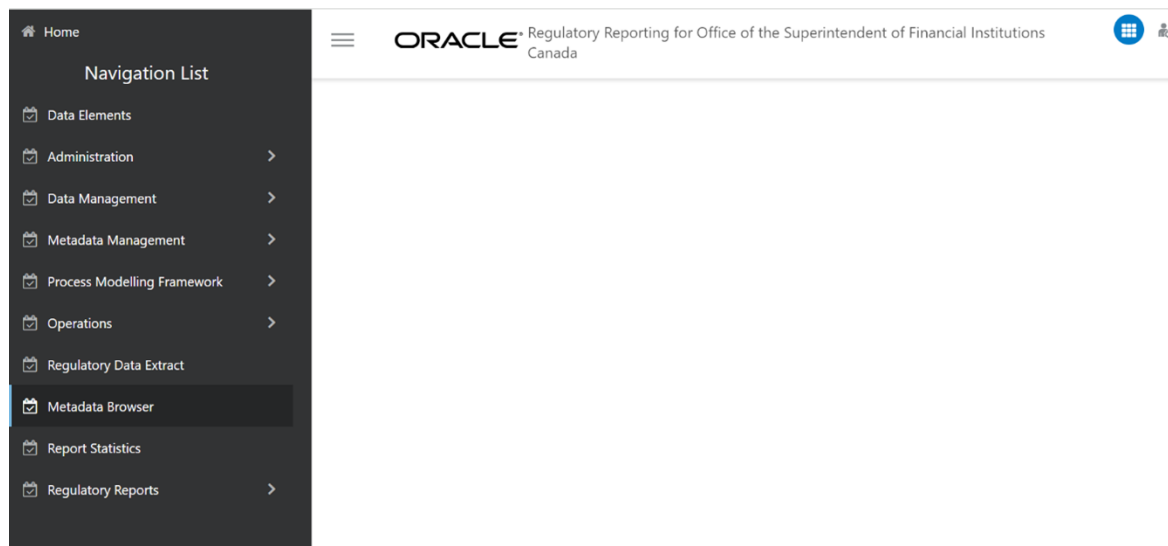
To get a drill-down of published reports, perform the following steps:

Metadata Publish is a prerequisite for publishing drill-down reports.

Steps for Metadata Publish

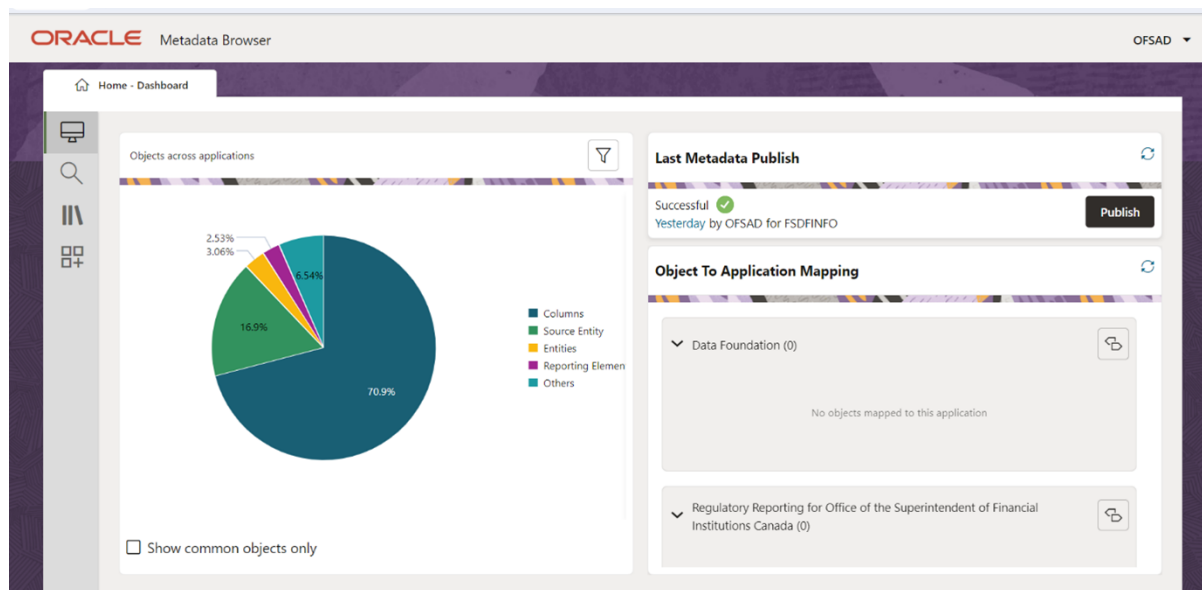
To re-execute the published reports, follow these steps:

1. After logging into the OFSAAI applications page, navigate to **Regulatory Reporting for Office of Superintendent of Financial Institutions Canada**, select **Metadata Browser**. This opens **Metadata Browser** in a new window.



2. Click **Publish**.

This publishes all the metadata related information and makes it available for the drill-down analysis.

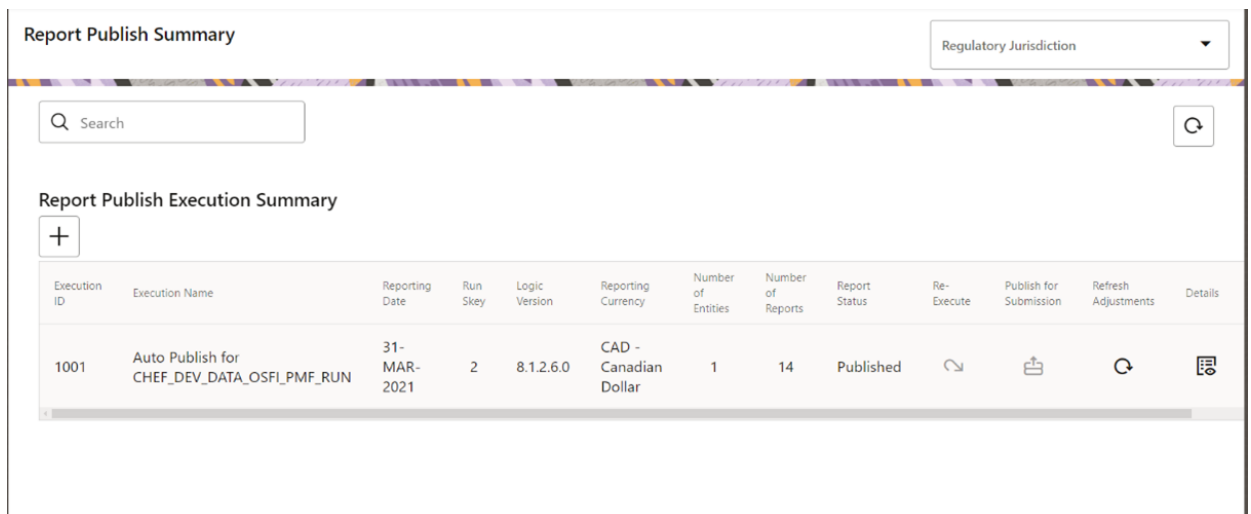


Once Metadata publish is complete, return to the Home page.

3. Navigate to **Regulatory Reports**



4. Click **Report Publish** to access the **Report Execution Summary** screen.



- Click the **Details** icon to view the **Publish Report Summary**.





ORACLE Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada

US-English OFSAD

Publish - 1001 - Report Summary

01	Auto Publish for CHEF_DEV_DATA_OSFI_PMF_RUN	31-MAR-2021	2	8.1.2.6.0	MSG	CONSL - Consolidated	CAD - Canadian Dollar	1	14	Published
----	--	-------------	---	-----------	-----	----------------------	-----------------------	---	----	-----------

Publish Report Summary

Reporting Entity	Jurisdiction	Report Code	Number of Schedules	Status	Details
DEVENTITY - Canada Development Entity	OSFI	E2	17	Published	
DEVENTITY - Canada Development Entity	OSFI	J2	3	Published	 View Details
DEVENTITY - Canada Development Entity	OSFI	A4	6	Published	
DEVENTITY - Canada Development Entity	OSFI	B2	5	Published	

- Click the **Details** icon to view the **Publish Schedule Summary**.



ORACLE Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada

US-English OFSAD

Publish - 1001 - DEVENTITY - OSFI - J2 - Schedule Summary

Auto Publish for CHEF_DEV_DATA_OSFI_PMF_RUN	31-MAR-2021	2	8.1.2.6.0	MSG	CONSL - Consolidated	CAD - Canadian Dollar	OSFI	J2	3	Published
--	-------------	---	-----------	-----	----------------------	-----------------------	------	----	---	-----------

Publish Schedule Summary

Scheduleing Entity	Jurisdiction	Jurisdiction	Schedule Code	Number of Cells	Number of Mapping Paths	Status	Details
DEVENTITY - Canada Development Entity	OSFI	J2	S1	215	215	Published	 View Details
DEVENTITY - Canada Development Entity	OSFI	J2	S2	22	22	Published	

- Click the **Details** icon to view the **Publish Reporting Line Summary**

ORACLE Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada

US-English OFSAD

Publish - 1001 - DEVENTITY - OSFI - J2 - S1 - Reporting Line Summary

Auto Publish for CHEF_DEV_DATA_OSFI_PMF_RUN 31-MAR-2021 2 8.1.2.6.0 MSG CONS - Consolidated CAD - Canadian Dollar S1 215 215 Published

Publish Reporting Line Summary

Reporting Entity	Jurisdiction	Report Code	Schedule Code	Reporting Line Code	Number of Mapping Paths	Reporting Measure Value	Status	Details
DEVENTITY - Canada Development Entity	OSFI	J2	S1	0001	2	\$15,400.00	Published	View Details
DEVENTITY - Canada Development Entity	OSFI	J2	S1	0002	2	\$1,400.00	Published	

8. Click the **Details** icon to view the **Publish Summary for MDRM**

ORACLE Regulatory Reporting for Office of the Superintendent of Financial Institutions Canada

US-English OFSAD

Publish - 1001 - DEVENTITY - OSFI - J2 - S1 - 0001 - Reporting Value Details

Search

Publish Summary for 0001

Execution Name	Celling Date	Run Key	Logic Version	Consolidation Hierarchy	Consolidation Type	Reporting Currency	Reporting Line Code	Number of Mapping Paths	Reporting Measure Value	Status	Drilldown
Auto Publish for CHEF_DEV_DATA_OSFI_PMF_RUN	31-MAR-2021	2	8.1.2.6.0	MSG	CONS - Consolidated	CAD - Canadian Dollar	0001	2	\$15,400.00	Published	

9. Click the **Drilldown** icon, to view the **Drilldown** page.

ORACLE Analytical Applications Drill down

OFSAD

Home - Drilldown

0001

15K

15.40K Canadian Dollar : Seeded Account 1 for J2 0001

Date Dimension	Run Dimension	Organization Struct...	Account Dimension	Fact Regulatory Funding Lending Details	Balance Sheet Cate...	
Calendar Date	Run Identifier	Legal Entity Name	Account Or Contrac...	Current Credit Limit...	Current Loan To Value	Balance Sheet Cate...
31 March 2021	1669044749051	Canada Developm...	LOAN_J2_S1_0001_...	100		ASSET
31 March 2021	1669044749051	Canada Developm...	LOAN_J2_S1_0001_...	100		ASSET
31 March 2021	1669044749051	Canada Developm...	LOAN_J2_S1_0001_...	100		ASSET
31 March 2021	1669044749051	Canada Developm...	LOAN_J2_S1_0001_...	100		ASSET

Export

Excel CSV HELOC

10. You can export the drill-down report by clicking the **Export** button, with options available for CSV and Excel formats. The report can then be downloaded.

9.4 Automatic Report Publish

In OSFI version 8.1.2.6.0, the default configuration publishes all reports along with each Run Execution. If you want to disable specific reports, you must perform a one-time configuration in the Atomic Schema. Follow these steps:

1. Log in to the Atomic Schema
2. Locate the FSI_RR_RUN_REPORT_MASTER Table: This table controls the publication settings for reports.
3. Update the Table: Execute the necessary update statements to disable the reports you do not want to be published. This involves modifying the relevant fields to deactivate those reports.
4. Save Changes: Ensure that all changes are saved and applied properly to prevent unintended report publishing.

By following these steps, you can customize which reports are published with each Run Execution according to your specific needs.

Eg. Default Report selections in 8.1.2.6.0

SQL Output Statistics

```
SELECT * FROM FSI_RR_RUN_REPORT_MASTER |
```

	V_REG_APP_ID	V_JURISDICTION_CD	V_REPORT_CD	V_RUN_ID	F_ENABLE_FLAG
1	OFS_RROSFI	OSFI	A2	1669044749051	Y
2	OFS_RROSFI	OSFI	A3	1669044749051	Y
3	OFS_RROSFI	OSFI	A4	1669044749051	Y
4	OFS_RROSFI	OSFI	B2	1669044749051	Y
5	OFS_RROSFI	OSFI	B20	1669044749051	Y
6	OFS_RROSFI	OSFI	C1	1669044749051	Y
7	OFS_RROSFI	OSFI	C3	1669044749051	Y
8	OFS_RROSFI	OSFI	E2	1669044749051	Y
9	OFS_RROSFI	OSFI	E3	1669044749051	Y
10	OFS_RROSFI	OSFI	J2	1669044749051	Y
11	OFS_RROSFI	OSFI	K4	1669044749051	Y
12	OFS_RROSFI	OSFI	N3	1669044749051	Y
13	OFS_RROSFI	OSFI	P3	1669044749051	Y
14	OFS_RROSFI	OSFI	RESL	1669044749051	Y

To disable B2 and C1, you can use the following update statement

```

UPDATE FSI_RR_RUN_REPORT_MASTER
SET F_ENABLE_FLAG = 'N'
WHERE V_JURISDICTION_CD = 'OSFI'
AND V_REPORT_CD IN ('B2', 'C1');
COMMIT;

```

Output Statement

```
SELECT * FROM FSI_RR_RUN_REPORT_MASTER ORDER BY 3
```

	V_REG_APP_ID	V_JURISDICTION_CD	V_REPORT_CD	V_RUN_ID	F_ENABLE_FLAG
1	OFS_RROSFI	OSFI	A2	1669044749051	Y
2	OFS_RROSFI	OSFI	A3	1669044749051	Y
3	OFS_RROSFI	OSFI	A4	1669044749051	Y
4	OFS_RROSFI	OSFI	B2	1669044749051	N
5	OFS_RROSFI	OSFI	B20	1669044749051	Y
6	OFS_RROSFI	OSFI	C1	1669044749051	N
7	OFS_RROSFI	OSFI	C3	1669044749051	Y
8	OFS_RROSFI	OSFI	E2	1669044749051	Y
9	OFS_RROSFI	OSFI	E3	1669044749051	Y
10	OFS_RROSFI	OSFI	J2	1669044749051	Y
11	OFS_RROSFI	OSFI	K4	1669044749051	Y
12	OFS_RROSFI	OSFI	N3	1669044749051	Y
13	OFS_RROSFI	OSFI	P3	1669044749051	Y
14	OFS_RROSFI	OSFI	RESL	1669044749051	Y

NOTE

The upgrade installer will not re-enable disabled reports, so there will be no impact on your settings even after the upgrade. Your settings will remain unchanged. If you wish, you can re-enable the reports at any time.

After the regular Run Execution is complete, all enabled reports will be published by default and available for export.



The PMF Reg Run process has been enhanced with the inclusion of a new component, named PMF_REGOSFI_FN_RUN_REPORT_AUTO_PUBLISH.



This component has been added as the final step in the process flow.

Its primary function is to automate the report publishing activity, thereby eliminating the need for manual intervention.

With this modification, the report publishing process now occurs seamlessly as part of the Reg Run, streamlining operations and improving efficiency.

The Report Publish Parameters in Autopublish

Report Publish Parameter	Reference
Report Publish Name	Run Name + 'Autopublish'
The Reporting Date	PMF Reg Run
Legal Entities	PMF Reg Run
Logic Version	Latest in Cell Master
Regulatory jurisdiction	FSI_RR_RUN_REPORT_MASTER
Regulatory Reports	FSI_RR_RUN_REPORT_MASTER

Publish ID is automatically generated and Reports are ready for Download.

Report Publish Summary													Regulatory Jurisdiction
Search													
Report Publish Execution Summary													
Execution ID	Execution Name	Reporting Date	Run Sky	Logic Version	Reporting Currency	Number of Entities	Number of Reports	Report Status	Re-Execute	Publish for Submission	Refresh Adjustments	Download Reports	Details
1002	K4	31-MAR-2021	3	8.1.2.6.0	CAD - Canadian Dollar	1	1	Execution Success					Publish Pending
1001	Auto Publish for CHEF_DEV_DATA_OSFI_PMF_RUN	31-MAR-2021	3	8.1.2.6.0	CAD - Canadian Dollar	1	14	Published					Publish

9.5 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 or 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.

9.5.1 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: **E2** Report

NOTE

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

The report currently displays a Total Value = 3, 33,161 for the identified cell as shown in the following figure.

Figure 69: Adjustment Feature

Adjustment Mapping Details for 7266			
Reporting Line Code	Mapping Name	Mapping Type	Reporting Measure Value
7266	Adjustments for E2 MB 7266	ADJUSTMENT	\$999,999,999,999.00

Now, the requirement is to adjust this amount to $15,000,000 + 3,33,161 = 18,33,161$

NOTE The Adjustment Feature works only for fixed table cells (Open Y cells are not supported).

Topics:

- [Populating Base Tables](#)
- [Refreshing Adjustment Derived Entity](#)
- [Reporting Verification](#)

9.5.1.1 Populating Base Tables

FCT_REG_REPORT_ADJUSTMENTS: This table must be populated with the requisite *Adjustment Amount* and other related columns.

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

NOTE V_PAGE_INSTANCE_VALUE shall be populated with appropriate instance value for reports with page instance filters. The page instance filter value shall match the values as populated in the DE hierarchy for page instance. The adjustment value shall be provided for all the page instance values that require adjustment including the “Total” instance. This attribute can be ignored for the reports without page instance.

9.5.1.2 Refreshing Adjustment Derived Entity

Execute the resave batch for Adjustments (<<INFODOM>> LIQUIDITY_REPORTS_ACC_RESAVEDE), to save the Adjustment derived entity - DEADJ001.

This ensures that the adjustment amount is reflected in the Adjustment Derived Entity DEADJ001.

9.6 User Access:

The following user groups are pre-seeded in the component that helps you get access to the Regulatory Reporting menu.

1. REGADMINGRP : Regulatory Reporting Admin Group - To administrate Regulatory Reporting.
2. REGMAPPERGRP : Regulatory Reporting Mapper Group - To create mappings under Regulatory Reporting.

10 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 the 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.

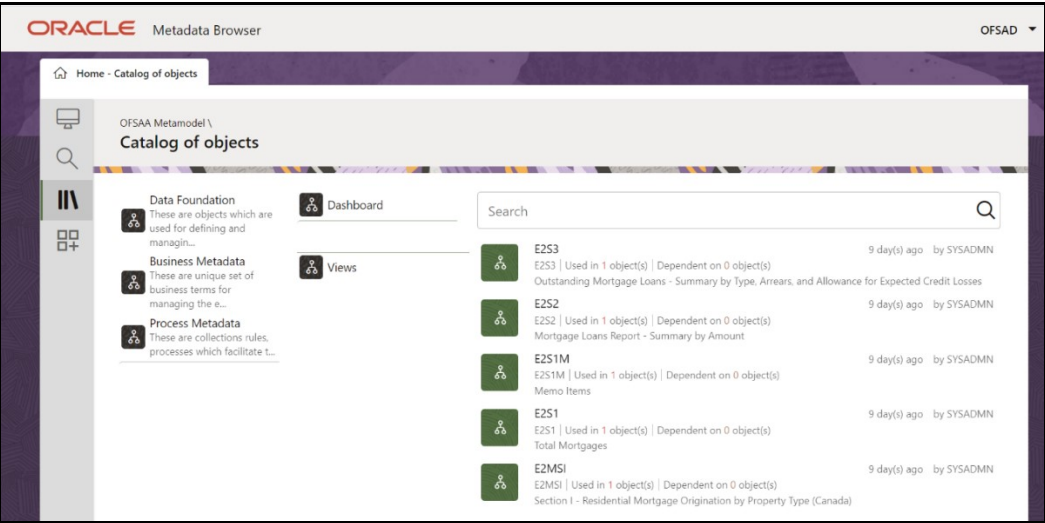
Analysts review the metadata used for a particular report schedule to verify the data. Data Verification may require looking for metadata used in a given schedule or it can be scheduled in which particular metadata is used. Data Analysts and Reporting Analysts perform the Report Verification. Metadata refers to Business Measures, Hierarchies, Datasets, Derived Entities used for a given schedule.

10.1.1 Reporting Metadata

To use MDB for schedule-wise metadata, and to use MDB for metadata wise schedule, identify the metadata used, perform the following steps:

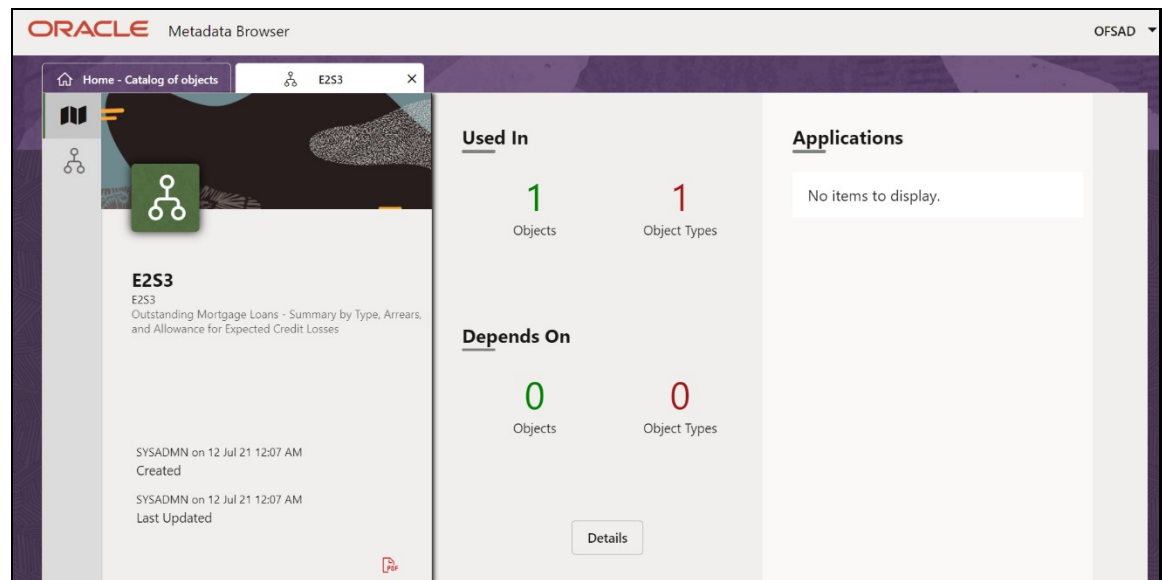
1. You can verify the data for related data elements in results using this information. Navigate to **Catalog of Objects**, select **OFSAA Metamodel**, select **Reporting Metadata**, and select **Reports**.
The MDB Reporting Metadata Screen is displayed.

Figure 70: MDB - Reporting Metadata Page



- Click the object view E2S3 to view the list of schedules. The **Reporting Metadata Schedule View Page** is displayed.

Figure 71: MDB - Reporting Metadata - Schedule View



You can view the following information in the **Schedule Details** Page:

- **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.
- Click **Details** to view the dependency and usage information such as the **Object Name** and the **Object Type**.

Figure 72: MDB - Reporting Metadata - Schedule View 1

E2S3 - Dependency and Usage	
Used in 1 Dashboard	
Object Name	Object Type
E2	Dashboard

- From the **Schedule View** Page, click the **Dependency** Tab to view the Report Tree Structure.

Figure 73: MDB - Reporting Metadata Tree Structure Page



Starting from common metadata used across the application, you may want to know the list of reports or Derived Entities this metadata has used. Let us take an example of a measure. To identify how value is computed, perform the following steps to trace it back to the metadata.

10.1.2 Business Metadata

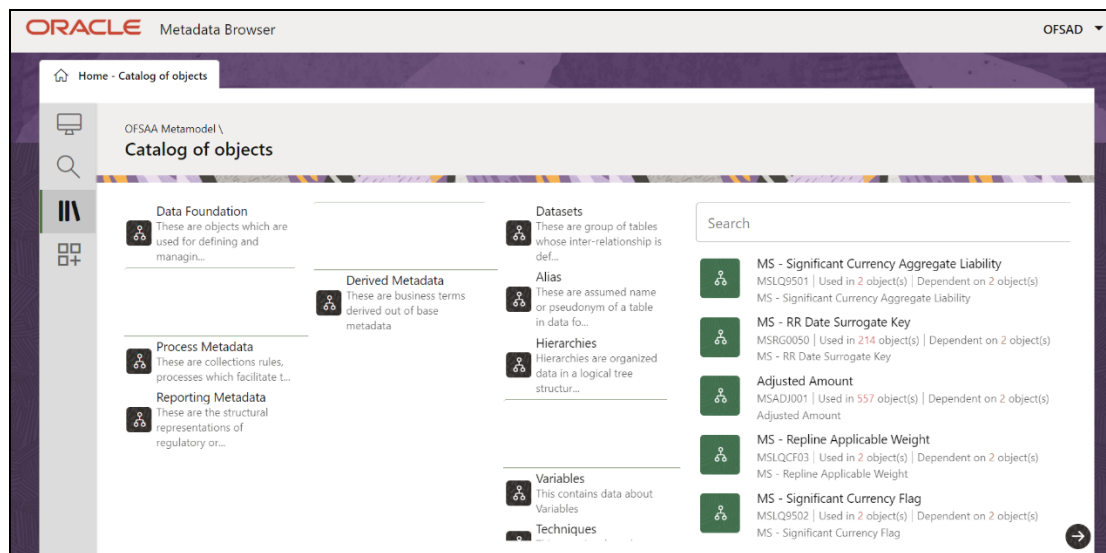
This section provides information on the Business Metadata Objects which include Base Metadata and Derived Metadata.

10.1.2.1 Base Metadata

The following are the steps to perform to view the Base Metadata details. For example, Measures.

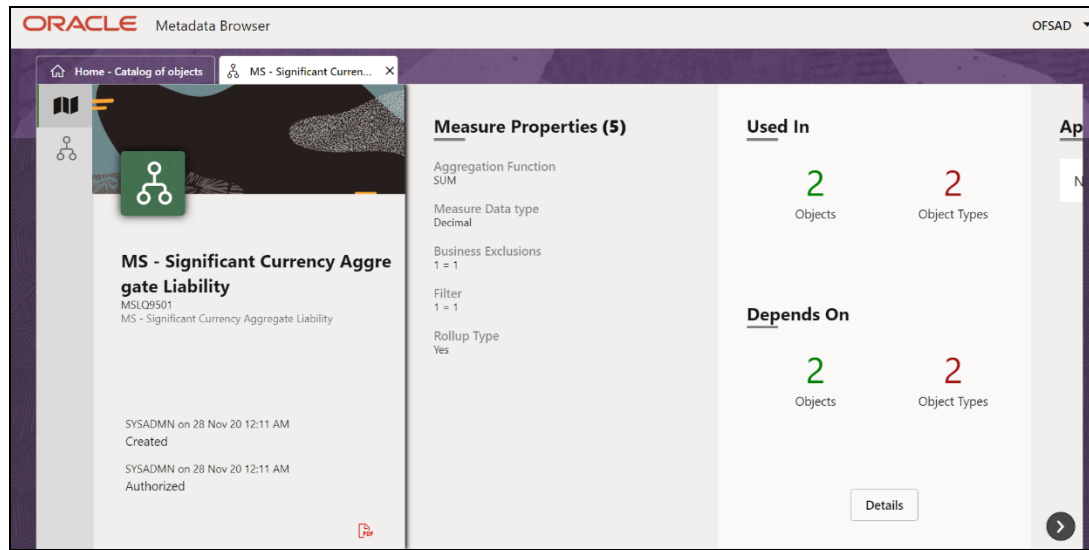
1. To view the measures, navigate to **Catalog of Objects**, select **OFSAA Metamodel**, select **Business Metadata**, select **Base Metadata**, and select **Measures**.
The **MDB Business Metadata** Page is displayed.

Figure 74: MDB - Business Metadata - Measure View Page



2. Click the **Measure** that you wish to view.
The **MDB Business Metadata Measure Details** Page is displayed.

Figure 75: MDB - Business Metadata Measure Details Page

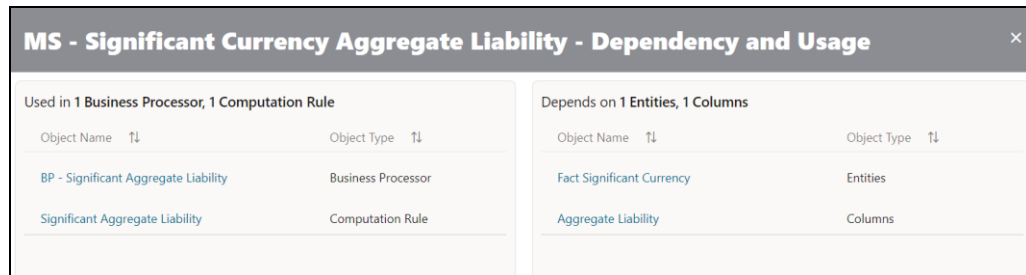


You can view the following information on this page:

- **Measure Properties:** It provides information on the properties of Business measures. For example, aggregation function, Measure Data Type, Business Exclusions, Filter, and Rollup Type.
- **It 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.

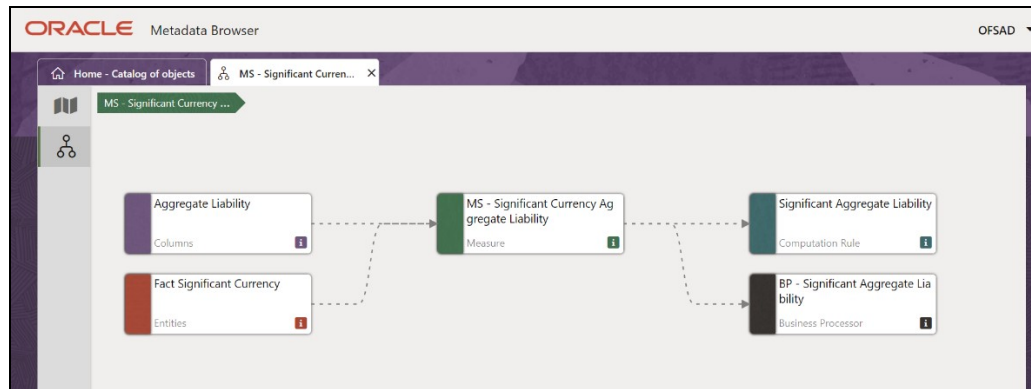
3. Click **Details** to view the measure dependency and usage information.

Figure 76: Measure Dependency and Usage Details Page



4. From the **Measure Details** Page, click the **Dependency** tab to view the Measure Tree Structure.

Figure 77: Business Metadata Measure Tree Page



NOTE

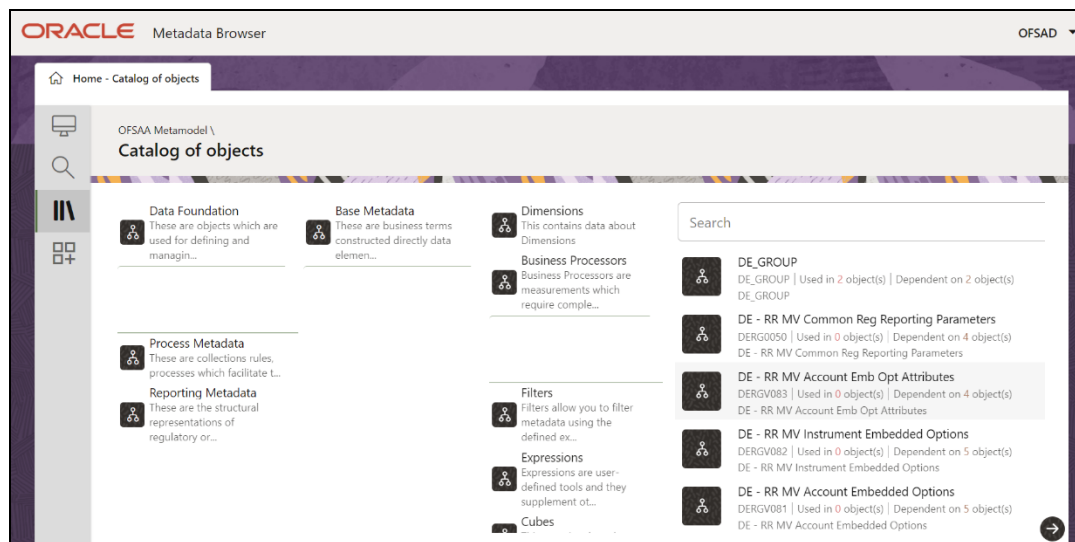
The similar steps as mentioned in this section are applicable for other metadata such as Business Metadata (Hierarchies, Measures, Variables, and so on) and Derived Metadata (Dimensions, Filters, and so on), Process Metadata (Process, Rules, and so on) and Data Foundation (Target Model, Sources, Connectors, and so on).

10.1.2.2 Derived Metadata

The following are the steps to perform to view the Derived Metadata details. For example, Derived Entities.

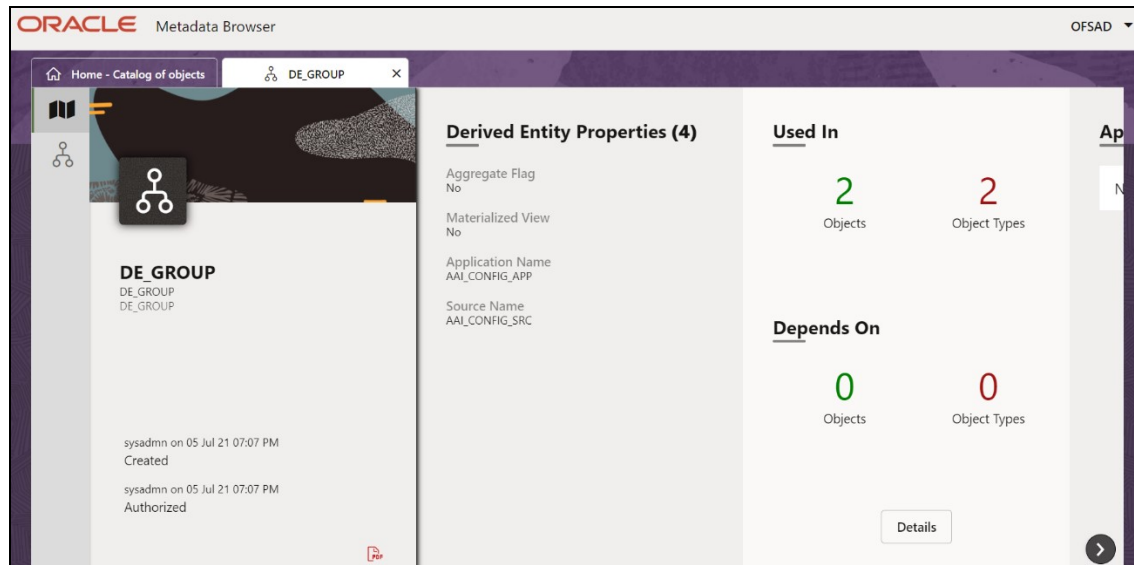
1. To view the schedule-wise derived entities, navigate to Catalog of **Objects**, select **OFSAA Metamodel**, select **Business Metadata**, select **Derived Metadata**, and select **Derived Entities**.

Figure 78: MDB - Business Metadata – Derived Entity Page



2. Click the **Derived Entity** that you wish to view. The **Derived Entity Details** Page is displayed.

Figure 79: MDB - Business Metadata Derived Entity Details Page

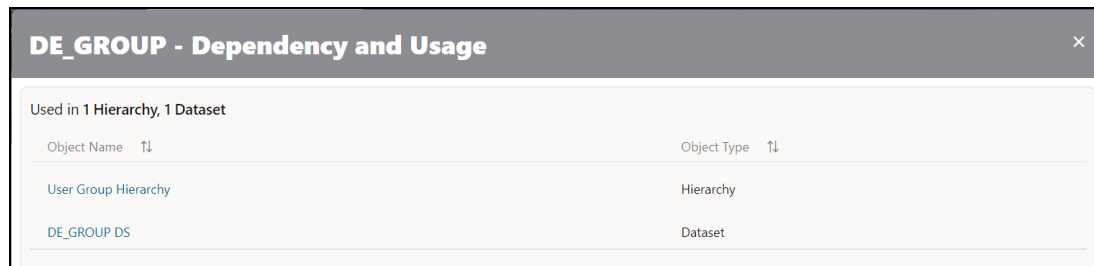


You can view the following information on this page:

- **Derived Entity Properties:** It provides information on properties of Derived Entities, such as Source Type, Aggregate Flag, and Materialized View.
- **It Depends On:** This section displays all the object names and their types, such as Dataset, 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.

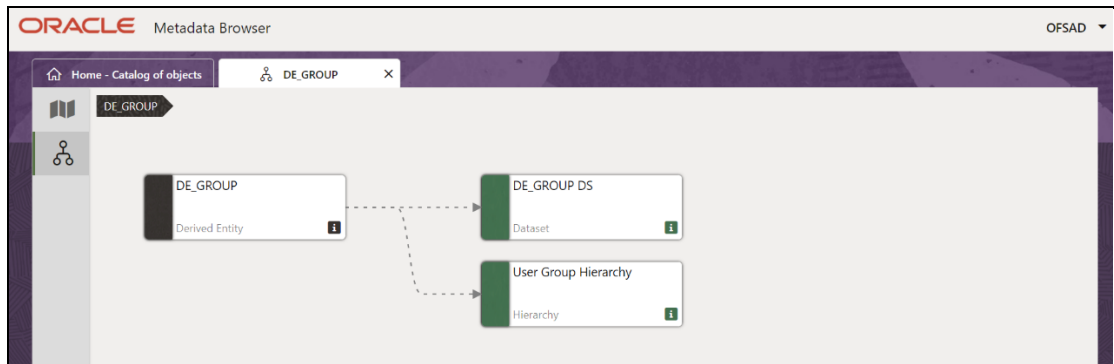
3. Click **Details** to view the Derived Entity dependency and usage information.

Figure 80: Derived Entity Dependency and Usage Page



4. From the **Derived Entity Details** Page, click the **Dependency** tab to view the Derived Entity Tree Structure.

Figure 81: Business Metadata - Derived Entity Tree Structure Page



For more information about the Metadata and its usage, see the [OFSAA Metadata Browser User Guide](#).