

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

User Guide

Release 8.1.2.1.0

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ORACLE
Financial Services

OFS Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions User Guide

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Table of Contents

1	Preface	10
1.1	What is New in This Release for OFS REG REP APME.....	10
1.1.1	<i>New Features.....</i>	10
1.2	Deprecated Features	10
1.3	Desupported Features	10
1.4	Scope of the Guide	10
1.5	Intended Audience	11
1.6	Access to Oracle Support	11
1.7	Related Information Sources.....	11
1.8	How is this Guide Organized	11
1.9	Conventions Used.....	12
2	Introduction	13
2.1	Overview	13
2.2	OFSAA Regulatory Reporting Architecture	14
2.3	Scope.....	15
3	Getting Started.....	21
3.1	Prerequisites	21
3.2	Assumptions.....	21
3.2.1	<i>Assumptions Related to Scoped Reports.....</i>	22
3.3	Accessing the OFSDF Interface or OFS REG REP APME Interface.....	30
3.4	Regulatory Reporting Deployment	31
3.4.1	<i>Deploying Regulatory Report Based on Various Jurisdictions.....</i>	31
3.5	Organization of Interface for User Roles.....	34
3.5.1	<i>Process Execution Summary.....</i>	35
3.5.2	<i>Marking Run as Final</i>	35
3.5.3	<i>Reporting Flag for Run through Process Execution Summary.....</i>	38
3.5.4	<i>Executing Batch to Resave Derived Entities.....</i>	42
3.5.5	<i>Retrieving the Returns from AgileREPORTER</i>	44
3.5.6	<i>Report Verification - Drill Down from AgileREPORTER to OFSAA Results Area.....</i>	44
4	Regulatory Reporting (REG REP) Solution Data Flow	50

4.1	Data Preparation	50
4.1.1	Assumptions for Data Preparation	50
4.1.2	APME RUN CHART	51
4.1.3	Reclassification of Regulatory Dimensions	51
4.1.4	Configuring Setup Tables for Standard Set of Values	68
4.1.5	Run or Execution Expectations	69
4.1.6	Projection Data	69
4.1.7	Data Flow from Source Systems to Staging Area.....	71
4.1.8	Data Flow from Staging to Results Area	71
4.1.9	Data Flow from Staging to Processing Area.....	72
4.1.10	Data Flow from Processing to Results Area	72
4.1.11	Guidelines for Data Loading to Result Area Tables in Data Foundation for Regulatory Reporting Implementations	73
4.1.12	FSDF Entity Information.....	74
4.1.13	Fact Tables or Entities	77
4.1.14	Inclusion of GL Recon Reconciled Accounts in Reporting.....	79
4.2	Overview of OFS REG REP APME User Interface.....	80
4.2.1	Logging in to OFS REG REP APME UI	80
4.2.2	Viewing Report Summary	82
4.2.3	Viewing Schedule Summary	85
4.2.4	Viewing Data Elements.....	86
4.2.5	Viewing Data Elements Summary	88
4.2.6	Viewing Cell Summary.....	89
4.2.7	Viewing the Pre and Post Adjusted Data	92
4.2.8	Creating an Action.....	94
4.3	Adjustment Feature for Template-based Reports	95
4.3.1	Implementing the Adjustment Feature	95
4.4	Mapping of Results to Reporting Requirements of Lombard Risk.....	98
4.5	Regulatory Report Submission	99
5	Metadata Browser	100
5.1	Reporting Metadata	100
5.2	Business Metadata	102

5.2.1	Base Metadata	102
5.2.2	Derived Metadata	104
6	Business Terms	107
6.1	User Roles and Actions.....	107
6.2	Viewing a Business Term	107
7	Critical Data Elements	111
7.1	User Roles and Actions.....	111
7.2	Viewing Critical Data Elements	111
8	Key Indicator Assessment Configuration.....	115
8.1	User Roles and Actions.....	115
8.2	Configuring Key Indicators	115
9	Control Assessment Parameters	118
9.1	User Roles and Actions.....	118
9.2	Configuring Control Assessment Parameters	118
9.3	Controls.....	119
9.3.1	Data Quality Checks and Controls.....	119
9.3.2	User Roles and Actions.....	120
9.3.3	Control Creation through Batches	120
9.3.4	Quality Control Assessment	121
9.3.5	Viewing Controls.....	121
9.3.6	Control Assessment Logic.....	128
9.3.7	Editing an Issue.....	131
10	Key Indicator Threshold	136
10.1	Configuring Key Indicator Threshold	136
11	DGS Application Configuration	137
11.1	User Roles and Actions.....	137
11.2	Configuring DGS Application Configuration	137
12	Inbox.....	139

12.1	Logging an Issue.....	139
13	Data Adjustments	143
13.1	User Roles and Actions.....	145
13.1.1	<i>Actions Performed by Users</i>	<i>145</i>
13.2	Settings for Data Adjustments.....	146
13.2.1	<i>Prerequisites for Data Adjustments</i>	<i>146</i>
13.3	Creating a Data Adjustment	146
13.3.1	<i>Create a Data Adjustment - Data Quality Errors based Data Adjustment.....</i>	<i>148</i>
13.3.2	<i>Create a Data Adjustment - Business based Adjustment.....</i>	<i>150</i>
13.3.3	<i>Create a Data Adjustment - Regulatory Reporting based Adjustment.....</i>	<i>152</i>
13.4	Approve or Reject Data Adjustments	157
13.5	Modify a Rejected Data Adjustment	158
13.6	Executing a Data Adjustment Batch	159
13.6.1	<i>Triggering the Adjustment Batch.....</i>	<i>159</i>
13.6.2	<i>Creating a New Batch and a Task.....</i>	<i>162</i>
13.6.3	<i>Monitoring the Data Adjustment Batch through the Batch Monitor Pane</i>	<i>164</i>
14	Plan Monitoring	165
14.1	User Roles and Actions.....	165
14.1.1	<i>Configuring Process Monitoring Runs and Tasks.....</i>	<i>165</i>
14.2	Creating a Reporting Plan	166
14.3	Viewing and Editing a Reporting Plan	169
15	Dashboards	171
15.1	Data Quality Dashboards	171
15.1.1	<i>Distribution of Error Records by the Attribute Count</i>	<i>172</i>
15.1.2	<i>Distribution of Error Records by Error Type.....</i>	<i>174</i>
15.1.3	<i>Distribution of Defaults by Attribute Count.....</i>	<i>175</i>
15.1.4	<i>Data Quality Exception Report.....</i>	<i>177</i>
15.2	Controls Dashboard	181
15.2.1	<i>Summary.....</i>	<i>181</i>
15.2.2	<i>Controls by Regulatory Reports</i>	<i>185</i>
15.3	Key Indicators Dashboards	185

15.3.1	Key Indicators - Summary.....	186
15.3.2	KIs by Regulatory Reports.....	193
15.4	Regulatory Report Monitoring.....	195
15.4.1	Plan Analysis by Report.....	196
15.4.2	Create a New Issue.....	202
15.4.3	Create Action.....	203
15.4.4	Data Origin Analysis.....	203
15.5	Variance Analysis Dashboard.....	204
15.5.1	Populating Data for Account Drill down Granularity (Variance Analysis dashboard).....	205
15.5.2	Viewing the Variance Analysis Dashboard.....	205
15.5.3	Dimensions Supported in Variance Analysis drill-down.....	208
16	Regulatory Data Extract	210
16.1	Create an Export Definition	210
16.2	Edit and View an Export Definition	211
16.3	Delete an Export Definition.....	212
16.4	Executing the Regulatory Data Export Definition through Process Modelling Framework	212
16.4.1	Types of Regulatory Data Export Execution.....	218
17	OFSAA Features	222
17.1	OFSAA Infrastructure.....	222
17.2	Business Metadata	223
17.3	Derived Entity	223
17.3.1	Creating Derived Entity.....	224
17.4	Rules Framework Features	225
17.5	Dimension Mapping.....	225
18	Executing Run through Process Modelling Framework in OFS REG REP APME	228
18.1	Overview	228
18.2	Designing a Pipeline in OFS REG REP APME	228
18.2.1	Selecting the Run Parameters and Executing the Run.....	229
18.2.2	Verifying the Run Execution	231
18.2.3	Verifying the Execution Logs.....	233
19	Regulatory Reports.....	236

19.1	User Roles and Actions.....	236
19.2	Manage Report Mappings	236
19.2.1	View Report Mappings.....	236
19.2.2	Enable or Disable Seeding Mapping Path.....	239
19.2.3	Add Report Mappings.....	241
19.3	Reports Publish	246
19.3.1	Manage Reports Publish	249
20	Report Submission.....	251
20.1	Report Submission: AgileREPORTER to Regulator	251
20.2	Edit Checks or Validity Check or Quality Checks.....	251
20.3	Report Templates to be used in AgileREPORTER	251
20.4	Supported Report Template Version and Activation Date.....	252
21	Maintenance.....	255
22	Troubleshooting Guidelines	257
22.1	Prerequisites	257
22.2	Troubleshooting Use Cases.....	257
22.2.1	Unable to Generate Report.....	258
22.2.2	Data Unavailable in AgileREPORTER.....	258
22.2.3	Data Available in AgileREPORTER but Not as Expected.....	259

1 Preface

Welcome to Release 8.1.2.1.0 of the Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions (OFS REG REP APME) User Guide.

This section provides a brief description of the scope, the audience, the references, concepts and the organization of the user guide and conventions incorporated into the user guide.

Topics:

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

1.1 What is New in This Release for OFS REG REP APME

This preface lists new features and changes in OFS REG REP APME release v8.1.2.1.0.

1.1.1 New Features

The new features introduced in this release are as follows:

- New APME-DGS Menu to access [Regulatory Reports](#) (Report Mapping and Report Publish). For more information, see the [Report Mapping](#) and [Report Publish](#).

1.2 Deprecated Features

This section lists the deprecated features in this manual.

1.3 Desupported Features

The desupported feature for OFS REG REP APME Release v8.1.2.1.0 is the Run Execution and Run Management features through the Run Rule Framework.

1.4 Scope of the Guide

The objective of this user guide is to provide a comprehensive working knowledge on Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions, Release 8.1.2.1.0. This user guide is intended to help you understand the key features and functionalities of Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions (Oracle Financial Services Data Foundation (OFSDf))

Interface with Lombard Risk for APME) release 8.1.2.1.0 and details the process flow and methodologies used.

1.5 Intended Audience

This guide is intended for:

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

1.6 Access to Oracle Support

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

1.7 Related Information Sources

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

- *Oracle Financial Services Regulatory Reporting Data Sets and Governance for APAC and ME (OFS REG REP APME) User Guide Release 8.1.2.1.0*
- *Oracle Financial Services Data Foundation Installation Manual Release 8.1.2.2.0*
- *Oracle Financial Services AgileREPORTER Installation Manual Release 8.1.0.0.0*
- *Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide* (present in this [OHC](#) Documentation Library)

1.8 How is this Guide Organized

The Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions User Guide includes the following topics:

- [Chapter 2: Introduction](#)
- [Chapter 3: Getting Started](#)
- [Chapter 4: Regulatory Reporting Deployment](#)
- [Chapter 5: Regulatory Reporting \(REG REP\) Solution Data Flow](#)
- [Chapter 6: OFSAA Features](#)

- [Chapter 7: Executing Run through Process Modelling Framework](#)
- [Chapter 8: Report Submission](#)
- [Chapter 9: Maintenance](#)
- [Chapter 10: Troubleshooting Guidelines](#)

1.9 Conventions Used

Table 1 lists the conventions used in this guide.

Table 1: Conventions Used in this Guide

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

2 Introduction

This chapter provides an understanding of the Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions application and its scope.

Topics:

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

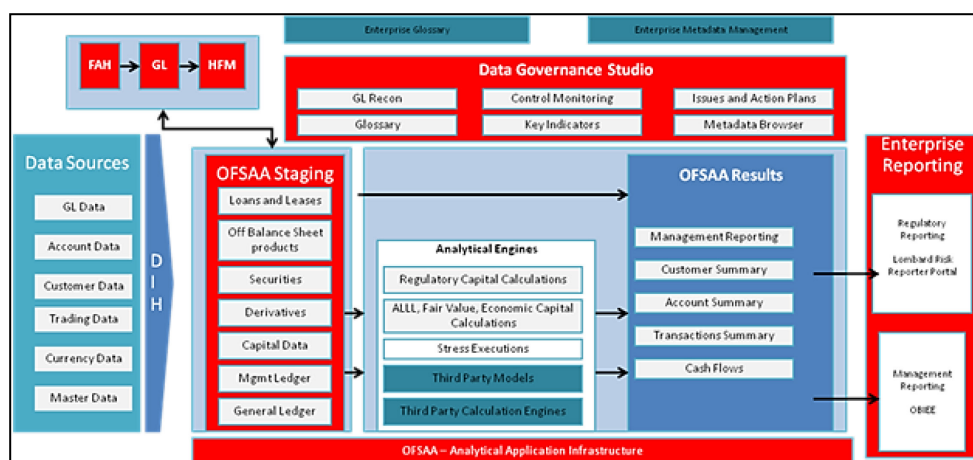
2.1 Overview

Regulatory reporting is the submission of the financial institutions data to regulators. Typically, this data originates from diverse internal systems, while the ultimate submissions are structured and need to be aligned to strict and detailed regulatory requirements. With the increasing complexity of reporting requirements from regulators around the globe, financial institutions are struggling to keep up with the constant pace of change. Asia Pacific & Middle East Jurisdictions are constantly evolving and strengthening the regulatory reporting requirement and gradually moving to a more detailed and complex reporting for all financial institutions. In Australia, the latest and most significant change being the reporting via Economic and financial statistics (EFS) or in Singapore the overhaul of MAS Notice 610 -Submission of Statistics and Returns.

The Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions delivers an integrated regulatory reporting solution to solve the biggest challenges that banks undergo such as quality, quantity and granularity of the data and transparency of the reporting ecosystem. It brings together the industry's best-in-class data foundation, complete transparency and data lineage throughout the application. The solution enables financial services organizations to manage and execute regulatory reporting in a single integrated environment. It automates end-to-end processes from data capture through submission with industry-leading solutions. It leverages Oracle Financial Services Analytical Application (OFSAA) and Oracle Financial Services Data Foundation (OFSDF) for managing analytical application data. The solution provides mechanism to integrate the generated results to a third-party end mile reporting template solution, thus helping with final submission to the respective regulator. The solution comes with pre-built integration to Vermeg Agile Reporter for end mile reporting; however, it does not restrict the customer here. The solution ensures data integrity allowing banks to focus more time on analyzing and gaining new business insight from their growing stores of data instead of preparing data and reports with the sole objective of meeting submission deadlines.

2.2 OFSAA Regulatory Reporting Architecture

Figure 1: Regulatory Reporting (REG REP) Solution Architecture



This interface connects the Oracle FSDF to Lombard Risk. As you can see in the Architecture figure above, Data flows from OFSAA to Lombard Risk.

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

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

OFSDF is a comprehensive Data Management Platform that helps institutions to manage the Analytical Data Life Cycle from sourcing to reporting and Business Intelligence/BI using a unified, consistent platform and toolset.

AgileREPORTER is a form and workflow tool that enables both creation and submission of regulatory returns. AgileREPORTER addresses the financial reporting requirements of both Domestic and International Banks and Financial Institutions by automating compliance with mandated reports to central banks, regulatory agencies. AgileREPORTER works easily with multiple sources of information as it standardizes data elements and automates Regulatory Report Production in prescribed templates with the associated workflow for automatic submission. It is a reliable and efficient infrastructure to compile, generate and submit Regulatory Reports. It collects data from a wide universe (not just OFSAA Results). It provides automated repeated manual adjustments, variance analysis, and validation checks. It provides features to explain and justify a number quickly, including links to OBIEE.

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

2.3 Scope

Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions covers the following regulatory reports for specified release as mentioned in the table:

Table 2: Scope of Regulatory Reports

Report	Report Name	Jurisdiction	Released Version
ARF 720_OA	ABS/RBA Statement of Financial Position (Standard)	APRA	8.1.2.0.0
ARF 720_OB	ABS/RBA Statement of Financial Position (Reduced)	APRA	8.1.2.0.0
ARF 720_1A	ABS/RBA Loans and Finance Leases (Standard)	APRA	8.1.2.0.0
ARF 720_1B	ABS/RBA Loans and Finance Leases (Reduced)	APRA	8.1.2.0.0
ARF 720_2A	ABS/RBA Deposits (Standard)	APRA	8.1.2.0.0
ARF 720_2B	ABS/RBA Deposits (Reduced)	APRA	8.1.2.0.0
ARF 720_3	ABS/RBA Intra-group Assets and Liabilities	APRA	8.1.2.0.0
ARF 720_4	ABS/RBA Debt Securities Held	APRA	8.1.2.0.0
ARF 720_5	ABS/RBA Equity Securities Held	APRA	8.1.2.0.0
ARF 720_6	ABS/RBA Securities on Issue	APRA	8.1.2.0.0
ARF 720_7	ABS/RBA Bill Acceptances and Endorsements	APRA	8.1.2.0.0
ARF 741.0	ABS/RBA Business Finance	APRA	8.1.2.0.0
ARF 742.OA	ABS/RBA Business Credit Stocks, Flows and Interest Rates (Standard)	APRA	8.1.2.0.0
ARF 742.OB	ABS/RBA Business Credit Stocks, Flows and Interest Rates (Reduced)	APRA	8.1.2.0.0
ARF 743.0	ABS/RBA Housing Finance	APRA	8.1.2.0.0
ARF 744.OA	ABS/RBA Housing Credit Stocks, Flows and Interest Rates (Standard)	APRA	8.1.2.0.0
ARF 744.OB	ABS/RBA Housing Credit Stocks, Flows and Interest Rates (Reduced)	APRA	8.1.2.0.0
ARF 745.0	ABS/RBA Personal Finance	APRA	8.1.2.0.0
ARF 746.OA	ABS/RBA Personal Finance Stocks, Flows and Interest Rates (Standard)	APRA	8.1.2.0.0
ARF 746.OB	ABS/RBA Personal Finance Stocks, Flows and Interest Rates (Reduced)	APRA	8.1.2.0.0
ARF 747.OA	ABS/RBA Deposit Stocks, Flows and Interest Rates (Standard)	APRA	8.1.2.0.0

Report	Report Name	Jurisdiction	Released Version
ARF 747.0B	ABS/RBA Deposit Stocks, Flows and Interest Rates (Reduced)	APRA	8.1.2.0.0
ARF 748.0A	ABS/RBA Wholesale Funding Stocks, Flows and Interest Rates (Standard)	APRA	8.1.2.0.0
ARF 748.0B	ABS/RBA Wholesale Funding Stocks, Flows and Interest Rates (Reduced)	APRA	8.1.2.0.0
ARF 730.0	ABS/RBA Statement of Financial Performance	APRA	8.1.2.0.0
ARF 730.1	ABS/RBA Fees Charged	APRA	8.1.2.0.0
ARF 722	ABS/RBA Derivatives	APRA	8.1.2.0.0
ARF 118.0	ARS 118.0 Off-balance Sheet Business	APRA	8.1.2.0.0
B1	Statements of Financial Position - Assets	MAS	8.1.2.0.0
B1_1	Cash	MAS	8.1.2.0.0
B1_2	Cash and Balances, AR under Reverse Repos, NCD, Debt Securities, Equity Investments, Loans and Bills	MAS	8.1.2.0.0
B1_3	Unlisted Investments, Intangible Assets and Properties and Equipment	MAS	8.1.2.0.0
B2	Statements of Financial Position - Liabilities & Equity	MAS	8.1.2.0.0
B2_1	Deposits and Balances, Amounts Payable under Repurchase Agreements, Bills Payable, Negotiable Certificates of Deposit and Debt Securities	MAS	8.1.2.0.0
B2_2 Part I	Deposits and Balances by Type and by Source of Non-Bank customers	MAS	8.1.2.0.0
B2_2 Part II	Deposits by Size of Non-Bank Customers	MAS	8.1.2.0.0
B2_3 Part I	Adjusted Capital Funds for Banks Incorporated Outside Singapore	MAS	8.1.2.0.0
B2_3 Part II	Capital Funds and Adjusted Capital Funds for Foreign-Owned Banks Incorporated in Singapore	MAS	8.1.2.0.0
B2_4	Reserves by Type	MAS	8.1.2.0.0
B3_1	Contingent Liabilities	MAS	8.1.2.0.0
B3_2 Part I	Commitments	MAS	8.1.2.0.0

Report	Report Name	Jurisdiction	Released Version
B3_2 Part II	Commitments	MAS	8.1.2.0.0
B3_4 Part I	Financial Derivatives by Type and Risk Category (trades booked in Singapore)	MAS	8.1.2.0.0
B3_4 Part II	Financial Derivatives by Type and Risk Category (Singapore as trading location)	MAS	8.1.2.0.0
B3_4 Part III	Financial Derivatives by Type and Risk Category (Standalone and Consolidated levels)	MAS	8.1.2.0.0
B3_5	Assets Under Management and Assets Held Under Custody	MAS	8.1.2.0.0
B3_6	Assets Pledged	MAS	8.1.2.0.0
B3_7	Structured Entities	MAS	8.1.2.0.0
C1_1	Assets and Liabilities by Bank Counterparty, Related Banks and Related Corporations	MAS	8.1.2.0.0
C1_2	Interbank Indebtedness by Counterparty in Singapore	MAS	8.1.2.0.0
C1_4	Related Banks in Singapore	MAS	8.1.2.0.0
C1_5	Related Corporations in Singapore	MAS	8.1.2.0.0
C1_6 Part I	Related Banks outside Singapore	MAS	8.1.2.0.0
C1_6 Part II	Related Corporations outside Singapore	MAS	8.1.2.0.0
D1	Assets, Contingent Items and Commitments by Country/Jurisdiction and by Counterparty - All Currencies (Ultimate Risk)	MAS	8.1.2.0.0
D2_1	ASSETS, CONTINGENT ITEMS AND COMMITMENTS BY COUNTRY/JURISDICTION AND BY COUNTERPARTY - IMMEDIATE BORROWER PART 1	MAS	8.1.2.0.0
D2_2	ASSETS, CONTINGENT ITEMS AND COMMITMENTS BY COUNTRY/JURISDICTION AND BY COUNTERPARTY - IMMEDIATE BORROWER PART 2	MAS	8.1.2.0.0
D2_3	ASSETS, CONTINGENT ITEMS AND COMMITMENTS BY COUNTRY/JURISDICTION AND BY COUNTERPARTY - IMMEDIATE BORROWER PART 3	MAS	8.1.2.0.0
D3_1_1	PART I: ASSETS AND CONTINGENT ITEMS BY SECTOR (All Currencies)	MAS	8.1.2.0.0

Report	Report Name	Jurisdiction	Released Version
D3_1_2	PART II: ASSETS AND CONTINGENT ITEMS BY SECTOR (BY RESIDENCY)	MAS	8.1.2.0.0
D3_1_3	PART III: ASSETS AND CONTINGENT ITEMS FOR TREASURY CENTRES (All Currencies)	MAS	8.1.2.0.0
D3_2_1_2	ASSETS AND CONTINGENT ITEMS BY PURPOSE	MAS	8.1.2.0.0
D3_2_3_4_5	ASSETS AND CONTINGENT ITEMS BY PURPOSE - PROJECT FINANCE	MAS	8.1.2.0.0
D4_1	LIABILITIES BY COUNTRY/JURISDICTION AND BY COUNTERPARTY - PART 1	MAS	8.1.2.0.0
D4_2	LIABILITIES BY COUNTRY/JURISDICTION AND BY COUNTERPARTY - PART 2	MAS	8.1.2.0.0
D5	RMB BUSINESS ACTIVITIES	MAS	8.1.2.0.0
E_1	Classification and Fair Value Measurements of Assets and Liabilities	MAS	8.1.2.0.0
E_2	Statement of Financial Position, Contingent Liabilities, Commitments, Derivatives and Other Items (Islamic Banking)	MAS	8.1.2.0.0
E_3	Asset Ageing Analysis by Counterparty and by Purpose	MAS	8.1.2.0.0
F_1	Assets by MAS Notice 612/1005 Classification and by Country/Jurisdiction	MAS	8.1.2.0.0
F_2	Classified Assets by Sector, Purpose and Counterparty	MAS	8.1.2.0.0
F_3	Classified Assets by Sector and by Country/Jurisdiction	MAS	8.1.2.0.0
G_1	Interest Rate Repricing (All Currencies)	MAS	8.1.2.0.0
G_2	Interest Rate Repricing (one form for each material currency)	MAS	8.1.2.0.0
H	Real Property Loan to Value Ratio (For the Purchase of Real Property, and Loans Collateralized on Real Property)	MAS	8.1.2.0.0
I_Part I	Foreign Exchange Turnover - Spot, Forwards, FX Swaps, Currency Swaps, Over the Counter (OTC) Options, Exchange-traded Options and Currency Futures	MAS	8.1.2.0.0
I_Part II	Interest Rate Derivatives Turnover - Forward Rate Agreements, Overnight Indexed Swaps, Other Swaps and OTC Options	MAS	8.1.2.0.0

Report	Report Name	Jurisdiction	Released Version
J	Selected Statistics for Reporting Period	MAS	8.1.2.0.0
K	Deposit rate of Singapore Dollar Denominated Deposits for Non-Banks	MAS	8.1.2.0.0
L_1	Covered bonds held	MAS	8.1.2.0.0
L_2	Covered bonds issued	MAS	8.1.2.0.0
M	Notes to Reporting Forms	MAS	8.1.2.0.0
RCA III	RWA	RBI	8.1.2.0.0
RCA III	Regulatory Capital-Basel	RBI	8.1.2.0.0
RCA III	CR On BS excl. Sec. (S)	RBI	8.1.2.0.0
RCA III	CR on BS Sec.	RBI	8.1.2.0.0
RCA III	CR Off BS Sec.	RBI	8.1.2.0.0
RCA III	CR on BS ReSec.	RBI	8.1.2.0.0
RCA III	CR NMR Off BS	RBI	8.1.2.0.0
RCA III	CR MR Off BS	RBI	8.1.2.0.0
RCA III	Failed Transaction	RBI	8.1.2.0.0
RCA III	CCR	RBI	8.1.2.0.0
RCA III	CR QCCP	RBI	8.1.2.0.0
RCA III	Market Risk	RBI	8.1.2.0.0
RCA III	Operation Risk	RBI	8.1.2.0.0
S	MA(BS)1 - Assets & Liabilities	HKMA	8.1.2.1.0
V	MA(BS)1A - Assets & Liabilities	HKMA	8.1.2.1.0

Report	Report Name	Jurisdiction	Released Version
O	MA(BS)1B - Assets & Liabilities	HKMA	8.1.2.1.0
P	MA(BS)1C - Profit & Loss Account	HKMA	8.1.2.1.0
F	MA(BS)6 - Foreign Currency Position	HKMA	8.1.2.1.0
IB	MA(BS)21 - Return of International Banking Statistics	HKMA	8.1.2.1.0
I	MA(BS)11 - Hong Kong Dollars Interbank Transactions	HKMA	8.1.2.1.0
J	MA(BS)12 - Interest Rate Risk Exposures (For IRRBB-exempted AIs)	HKMA	8.1.2.1.0
SBSS	Selected Balance Sheet Information	HKMA	8.1.2.1.0
MA	MA(BS)20 - Return of Mainland Activities	HKMA	8.1.2.1.0
AA	MA(BS)24 - Return of Information for Assessment of Systemically Important Authorized Institutions	HKMA	8.1.2.1.0
J1	MA(BS)12B - J1-MA(BS)12(I)- Interest Rate Risk in the Banking Book (Supplementary Information) - Central JIRA (oraclecorp.com)	HKMA	8.1.2.1.0
M	MA(BS)1G - Maturity Profile - Central JIRA (oraclecorp.com)	HKMA	8.1.2.1.0

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 APME Interface](#)
- [Regulatory Report Deployment](#)
- [Organization of the Interface for User Roles](#)

The OFS REG REP APME Application allows you to perform the following activities:

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

3.1 Prerequisites

For prerequisites and detailed instructions on installing this release, see [Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions \(OFS REG REP APME\) Installation Guide Release 8.1.2.1.0](#).

3.2 Assumptions

OFSDF interface with Lombard Risk for APME is a reporting application and it does not perform any risk or stress calculations. Following listed are the assumptions for the application:

- 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.
- Validity checks such as edit checks, cross-validation checks and so on prescribed by the regulator are performed within the AgileREPORTER.
- All monetary amounts are expected to be positive in number, except valuation outputs which can be positive or negative. There are few exceptions like Excess payments scenarios in Loans/cards where Balance loaded can be in Negative Signage. Rules are constructed assuming the negative sign of valuation amounts wherever applicable.

- The application populates a few specific dimension tables, known as seeded / sample tables as part of the installation script. Since they are used in the metadata, changes in data values have an impact on overall functioning.
- All percentage data are expected in decimal format meaning 9% must be provided as 9 and not 0.09.
- 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.

3.2.1 Assumptions Related to Scoped Reports

Generic assumptions related to the Scoped Reports (APRA) are as follows:

- **Domestic Books Consolidation:** EFS Reports are reported based on domestic book consolidation. RRS product expects this to be handled at the data set level, so the data set with appropriate entity filters gets associated with the reports for required entities' reporting.
- **Account-level Data for Consolidated Entities:** At a dataset level, the customer expected to provide account-level data for only those entities that are consolidated for Reg Reporting. For such entities, Dim_Org_Structure.f_regulatory_entity_ind should be Y, although dim_org_structure will hold details of all entities related to Reporting Entity falling under the same org structure.
- **Intra Group Party Vs Related Party:** For EFS Reports, Intra Group Party and Related Party are considered the same, as EFS includes reporting of only Domestic Book Accounts and these two terms are used interchangeably in the reporting instructions.
- **Balance Sheet Category:** All products available in table dim_product.v_balance_sheet_category must be classified as one of the following categories. The reason behind this is that many reports use Asset or Liability as Hierarchy to report overall Assets or Liabilities.

Table 3: Balance Sheet Category

v_balance_sheet_category	v_balance_sheet_category_desc
ASSET	Asset
LIABILITY	Liability
OFFBSL	Off-Balance Sheet (Contingent) Liability
OFFBSA	Off-Balance Sheet (Contingent) Asset
DERV	Derivatives

- **Housing Loan Vs Mortgage Loan:** Housing Loan is captured via Product Category as Housing Loan (Dim_Reg_Product_Type.v_reg_prod_cat_cd=HOUSELN), which is different from Mortgage Loan (Dim_Reg_Product_Type.v_reg_prod_cat_cd=MORLN) based on APRA Definitions. All Mortgage Loans will not be Housing Loans.
- **Data for States:** For APRA set of reports, Tble DIM_LOCATION is used for capturing various states within Australia. This table is populated via SCD STG_LOCATION_MASTER. Expected values are as follows:

Table 4: Data for States

V_COUNT RY_CODE	V_COUNTR Y_DESC	V_STATE_ CODE	V_STATE_DE SC	V_ISO_STA TE_CODE	V_ISO_STAT E_DESC
AU	AUSTRALIA	AU-NSW	New South Wales	AU-NSW	New South Wales
AU	AUSTRALIA	AU-VIC	Victoria	AU-VIC	Victoria
AU	AUSTRALIA	AU-QLD	Queensland	AU-QLD	Queensland
AU	AUSTRALIA	AU-SA	South Australia	AU-SA	South Australia
AU	AUSTRALIA	AU-WA	Western Australia	AU-WA	Western Australia
AU	AUSTRALIA	AU-TAS	Tasmania	AU-TAS	Tasmania
AU	AUSTRALIA	AU-NT	Northern Territory	AU-NT	Northern Territory
AU	AUSTRALIA	AU-ACT	Australian Capital Territory	AU-ACT	Australian Capital Territory
AU	AUSTRALIA	AU-OTHTER	Other Australian territories and overseas	AU-OTHTER	Other Australian territories and overseas
AU	AUSTRALIA	AU-NSW	New South Wales	AU-NSW	New South Wales
AU	AUSTRALIA	AU-VIC	Victoria	AU-VIC	Victoria
AU	AUSTRALIA	AU-QLD	Queensland	AU-QLD	Queensland
AU	AUSTRALIA	AU-SA	South Australia	AU-SA	South Australia
AU	AUSTRALIA	AU-WA	Western Australia	AU-WA	Western Australia
AU	AUSTRALIA	AU-TAS	Tasmania	AU-TAS	Tasmania
AU	AUSTRALIA	AU-NT	Northern Territory	AU-NT	Northern Territory
AU	AUSTRALIA	AU-ACT	Australian Capital Territory	AU-ACT	Australian Capital Territory
AU	AUSTRALIA	AU-OTHTER	Other Australian territories and overseas	AU-OTHTER	Other Australian territories and overseas

- **Customer Location:** When the Location of the customer is required, data is expected in the product processor tables and DIM_CUSTOMER.V_CUST_LOCATION_CODE.

- **Bills of Exchange or Bills Accepted:** Bills has very complex reporting requirements in APRA EFS Reports. Our interpretation of reporting is based on Individual Instruction Sheets (ARS), Reporting Practice Guide (RPG 701.0) and Definition Sheet (ARS 701.0)
- **Exclusion of certain Accounts:** Instruction Sheet of some reports explicitly do not mention the exclusion of some types of accounts like:
 - Written Off Accounts
 - Accounts with an outstanding balance as 0
 - Accounts with related parties

However, when we read the instructions for reconciliations across reports, we conclude that these filters need to be applied, to match the values across and within reports. For example: Report ARF 742_OA/B, 744_OA/B (along with other reports) uses both these filters for written off and nil outstanding. ARF 746_OA/B excludes all these three. Hence, these filters have been applied according to the reconciliation sheet.

- **Day Count:** Day Count of 30 days a month and 365 days a year has been used across the reports. This is based on instructions sheets of various reports.
- **Mitigant Amount adjusted for a haircut:**

STG_ACCOUNT_MITIGANT_MAP/FCT_ACCOUNT_MITIGANT_MAP.n_mitigant_weight

This column stores the effective % of exposure amount covered by mitigant. This % is after adjustment of haircut that should be applied to mitigant, or exposure amount and data is expected accordingly post-optimization of mitigants.

APRA Report specific assumptions are as follows:

- Report ARF 720_OA/B Line 12: Total intra-group assets
The number reported in Report ARF 720_OA/B Line 12: Total intra-group assets should match with report ARF 720_3 Line 1.1: Total intra-group assets.
- As per interpretation, these instructions are contradicting. Per instructions of ARF 720_3, Provisions must be excluded, but there is no such requirement of excluding Provision in ARF 720_OA/B.
- Report ARF 720_OB Line 3.14: Other Debt Securities - short term
Lines 3.3 to 3.13 report exposures to various Party Types that are Residents. Line 3.14 reports two kinds of exposures:
 - Exposures to all party types that are Non-residents, for party types reported in lines 3.3 to 3.13
 - Exposures to all resident party types other than party types reported in lines 3.3 to 3.13
- Report ARF 720_5/6 - Stock Exchange Code:
Equity Securities that are traded on ASX are expected to have value in DIM_INSTRUMENT_CONTRACT.V_MARKET_EXCHANGE_NAME = ASX
- Report ARF 742_OA/B: Loan accounts due to Internal Refinance will have a new account open date, so they will be treated as new accounts.
- Report ARF 742_OA/B, 743:

- In case the bank has refinanced loans in the balance sheet (both external and internal refinance), Stg_Loan_Contracts.f_refinance_flag flag should be Y).
- Accumulated Excess repayment amount is expected as inclusive of redraw facility amount and offset account balance.
- Report ARF 742_OA/B: Loan accounts due to Internal Refinance should have a new account open date, so they will be treated as new accounts.
- Reporting of averages number of facilities & sanctioned limit in Reports ARF743, ARF742_OA & ARF742_OB:
 - Reporting of averages number of facilities and sanctioned limit would more aptly reflect the actual average if we exclude accounts that have zero values for these measures. This is different from calculation of simple average mathematically where 0 values are not excluded. Though instructions sheet doesn't specifically mention about excluding such accounts from average calculation, we are excluding these to give these reporting numbers the correct functional definition. This enhancement is not part of current release. It will be accommodated in the future release. It will affect the few average reporting cells from reports ARF743, ARF742_OA & ARF742_OB.
- Reporting by loan purpose (ARF 741, ARF 743, ARF 745):
 - Loan purpose is expected as an input by bank based on Reporting Guide RPG 701.0. This should take into account all instructions mentioned in RPG 701.10, including, but not limited to below:
 - Any loan with multiple purposes needs to be reported against the predominant purpose
 - If refinanced loan has a new loan purpose, additional refinanced portion needs to be reported under new loan purpose. But if refinanced loan as existing same loan purpose as before, it needs to be reported as Internally Refinanced or externally refinanced loan as per RPG 701.0.

Assumptions related to the Scoped Reports (MAS)

The assumptions related to the Scoped Reports (MAS) are as follows:

- For the purposes of MAS610 reports, Intra Group Party and Related Party are considered same.
- All products available in table dim_product.v_balance_sheet_category must be classified as one of the following categories. Reason behind this is that many reports use Asset/Liability as Hierarchy to report overall Assets/Liabilities.

Table 5: Asset and Liability

Convention	Meaning
ASSET	Asset
LIABILITY	Liability
OFFBSL	Off Balance Sheet (Contingent) Liability
OFFBSA	Off Balance Sheet (Contingent) Asset
DERV	Derivatives

- Foreign Currency Conversion: SGD is the reporting currency used across all reports. All exposures in foreign currency are converted to SGD based on Spot rate on 'as of date' when data is provided except Schedule I. USD is the reporting currency for Schedule I which includes I_Part I & I_part II. All exposures related to I schedule in foreign currency are converted to SGD first & then all exposures will be converted to USD from SGD based on Spot rate on 'as of date' when data is provided.
- All Assets product balances are reported at end of period balances in B1 & B2 schedules from which stage loss allowances and impairment loss allowances are deducted to match the balances across schedules of MAS610 Reports.
- There is a line item in B1 report as 'Assets held for sale' mentioned separately, to satisfy this condition and to avoid repeated reporting all other assets items of this report are reported as Not held for sale. Same assumption is being followed for other assets related schedules to match the figures across schedules of MAS610.
- As stated above there is a line item in B2 report as 'Liabilities of disposal groups held for sale' mentioned separately, to satisfy this condition and to avoid repeated reporting all other liabilities items of this report are reported as Not held for sale. Same assumption is being followed for other liabilities related schedules to match the figures across schedules of MAS610.
- B1_2 report Part II has a section on AMOUNTS RECEIVABLE UNDER REVERSE REPURCHASE AGREEMENTS wherein the balances have to be reported for different underlying securities of reverse repurchase agreements. Mapping for 'Loans and advances' as one of the underlying securities is not being done due to insufficient instruction of loans being considered as one of the underlying of reverse repurchase agreement.
- Held for Sale filter is being given across B1 & B2 schedules to make data consistent across reports.
- There is a line item in B3_22 report as 'unrated eligible liquidity facilities. Mapping is not given for the unrated portion of this cell as the requirement is not clear and lack of instructions.
- Held for Sale filter is being given across C & D set of schedules to make data consistent with B1 & B2 schedules.
- Only balances being considered in Cash & Balances section in C schedule due to insufficient instructions.
- Fiduciary flag exclusion is being given across all reports to exclude fiduciary related exposures for MAS610.
- Only balances being considered in Cash & Balances section in D1 & D2 schedule across all counterparties, Cash is being taken against other counterparty only. Also, prominent country data is being considered for cases where one currency is qualifying for multiple countries. There is one processing table named as FSI_JUR_COUNTRY_CURR_MAP wherein currencies are mapped against prominent countries against which Cash is being reported in respective currencies in D1 & D2 schedules.
- Credit Facility amount in D3 section is being based on revocable status of the facility. If the facility is revocable then measure is considered as outstanding balance and if the facility is irrevocable which is also a default case, measure is considered as outstanding plus undrawn balance.
- There is a line item in E1 report as 'Assets held for sale' mentioned separately, to satisfy this condition and to avoid repeated reporting all other assets items of this report are reported as

Not held for sale. Same assumption is being followed for other assets related schedules to match the figures across schedules of MAS610.

- As stated above there is a line item in E1 report as 'Liabilities of disposal groups held for sale' mentioned separately, to satisfy this condition and to avoid repeated reporting all other liabilities items of this report are reported as Not held for sale. Same assumption is being followed for other liabilities related schedules to match the figures across schedules of MAS610.
- Data is not provided for few Cell IDs in E1 due to insufficient instructions around it. These cell IDs are E1R1C1, E1R2C1, E1R2C4, E1R3C1, E1R19C1, E1R19C4, E1R21C1, E1R21C4, E1R27C1, E1R27C4, E1R28C1, E1R29C1, E1R29C4, E1R30C4, E1R31C4, E1R33C1 and E1R33C4.
- Held for Sale filter is being given across E schedules to make data consistent across reports.
- Islamic banking is being considered as one of the line of business category & accordingly mapping is provided across cells for E_2 schedule in line with B1 & B2 Schedules.
- Corporate Counterparty in F1 is inclusive of Financial & Non-Financial Corporates so it also includes Non-Bank Financial Institutions counterparty.
- Only balances being considered in Cash & Balances section in E_1 schedule due to insufficient instructions.
- Fiduciary flag exclusion is being given across all reports to exclude fiduciary related exposures for MAS610.
- Mapping for International organizations in F_3 is not being provides as instructions are not clear, as specific counterparty data is being asked in each column of this schedule as Corporate & Unincorporated which is clashing with International organizations counterparty.
- Only balances being considered in Cash & Balances section in G schedule due to insufficient instructions.
- Mappings are not provided for General ledger items in G Schedule as this schedule is based on interest rate repricing & instructions are not clear for general ledger line items.
- Held for Sale filter is being given across G & H schedules to make data consistent across reports.
- Mappings for part I in J schedule are not provided as it is assumed as descriptive fields.
- Mappings for part III, IV, V & VIII in J schedule are not provided due to insufficient instructions.
- Mappings for part I in L_2 schedule are not provided due to insufficient instructions.
- Mappings for part II & III in M schedule are not provided as it is assumed as descriptive fields.
- MAS610 across schedules expectation is to submit report for different frequency for different banks. It is assumed customer will do necessary reporting for those MIS date & will set report frequency flag according to type of frequency for that schedule.

Assumptions related to the Scoped Reports (HKMA)

The assumptions related to the Scoped Reports (HKMA) are as follows:

- For the purposes of Balance sheet reports, Intra Group Party and Related Party are considered same.
- All products available in table dim_product.v_balance_sheet_category must be classified as one of the following categories. Reason behind this is that many reports use Asset/Liability as Hierarchy to report overall Assets/Liabilities.

Table 6: Asset and Liability

Convention	Meaning
ASSET	Asset
LIABILITY	Liability
OFFBSL	Off Balance Sheet (Contingent) Liability
OFFBSA	Off Balance Sheet (Contingent) Asset
DERV	Derivatives

- Foreign Currency Conversion: HKD is the reporting currency used across all reports. All exposures in foreign currency are converted to HKD based on Spot rate on 'as of date' when data is provided.
- Parties and products have included/excluded based on limited instructions to avoid repeated reporting across rows in S, V & O report.
- MA Report Page 2 & 3 - For Subsidiary Position of Banks in Mainland China, cell Id MAP1ROC1 will be reported as Yes & if Banks have multiple Subsidiary Banks in Mainland China, then the consolidated positions are to be reported clubbing all the subsidiary banks. If Bank does not have any subsidiary Bank in Mainland China, then MAP1ROC1 & MAP2ROC1 will be reported as No & it will show position other than subsidiary Bank in Mainland China
- MA Report Page 4, 5 & 6 – page 4 is asking specifically about Hong Kong offices and all Mainland branches, in order to avoid double counting Mainland subsidiary banks reporting is excluded from page 4 which is specifically getting covered in page 5.
- Due to limited instructions for Cell Id MAP3AR10C4, MAP3BR10C4 & MAP3CR10C4 (Which is the addition of MAP3AR10C4 & MAP3BR10C4) in Instructions, we have assumed Total of On-balance sheet exposures for Total Asset & data is expected accordingly.
- MA Report Page 7,8,9 & 10 – Each individual pages one column is specifically about Hong Kong offices and all Mainland branches, in order to avoid double counting Mainland subsidiary banks reporting is excluded & in another column is specifically for Mainland subsidiary banks reporting.
 - P Report Part II – Changes in provision for bad and doubtful debts, the data expected is as of date (year to date). And also if a column is expecting a negative value, then the data should be given in negative signage.
 - IB Report – In Part D, for the Column (13) - International claims - of which: Local claims in foreign currencies. The assumption is that entity country should be the reporting entity country. Customer Country should be respective Counterparty country/jurisdiction. Branch Country should not be respective Counterparty country/jurisdiction. Account currency should not be Counterparty country/jurisdiction currency or the Branch Country currency, if the Counterparty country/jurisdiction and Counterparty country/jurisdiction currency (or) Branch Country and Branch currency are same then it will become local claim and won't be classified as International claim.
 - IB Report – In Part D Risk transfers, for column (16) and column (17) - Inward risk transfer and Outward risk transfer –

1. If an exposure has a guarantor, then need to check if guarantor country (individual)/guarantor incorporation country (corporate) and entity country are same or not. If same then no Inward risk transfer and Outward risk transfer. If different, then the guarantor country (individual)/guarantor incorporation country (corporate) will be Inward risk transfer and counterparty country will be Outward risk transfer.
 2. If an exposure has no guarantor, then need to check if counterparty country and entity country are same or not. If same then no Inward risk transfer and Outward risk transfer. If different, then check for the loan extended and booked is a Non-HKD (Hong Kong Dollar) loan or not. If it's HKD loan then no Inward risk transfer and Outward risk transfer. If it's a Non-HKD loan, then the counterparty country will be Inward risk transfer and entity country will be Outward risk transfer.
- Fell cell are not automated from the scoped reports due to insufficient instructions & bug (Enh 34847832 - CELL MAPPING NOT AUTOMATED IN 8.1.2.1.0 RELEASE) is created to track the same.
 - Data expectation related to fact tables belongs to Basel/IFRS/LLFP solution is directly on fact tables & not through staging route. Data has to be directly loaded into following below tables-
 1. FCT_IFRS_ACCOUNT_SUMMARY
 2. FCT_LLFP_ACCOUNT_SUMMARY
 3. FCT_IFRS_MITIGANTS_SUMMARY
 4. FCT_IFRS_PLACED_COLLATERAL
 5. FCT_REG_LE_CAPITAL_SUMMARY

Known Issues

- Commercial property lending: For identification of Commercial property lending, currently, we are using V_REG_LOAN_PURPOSE_CODE = CRE. This needs to be removed. The new design will require bringing in new column f_cre_lending_flag in stg_loan_contracts and FCAS to identify Commercial property lending as per the Definition sheet. It is impacting 3 cells in report 720_1A/B, 3 cells impacted are: BSAO27773, BSAO27774, BSAO27775.
- Net of Offset Account balance: Some reports require loan accounts balance to be reported as net of offset or setoff account balance that these loans are linked with. Our design covers the use case of full offset which is valid for most of the accounts (100% of the offset account balance is netted off against loan account balance). Where offset percent is less than 100%, the current design doesn't handle this use case in 8.0.8 release. This will be handled in the next release. The following report are impacted- 742, 743, 744
- Canceled Accounts: Issue # 5. Canceled Indicator - We have to report for Cancellations of and reductions in previously committed (and accepted) credit limits during the month. The current design takes a sanctioned limit from the previous month and subtracts the current month limit. This assumes that for any account canceled, the sanctioned limit will be put as 0, and data is expected accordingly for the report to have correct reporting numbers. In the next release, we will make changes, so we can report cancellations, even though sanctioned limit in data is not 0. This impact reports 741,743,745, 2 cells each report.

- Cell PL20127, PL20025 & PL20053 mappings from ARF730.0 are changed to management reporting line & reporting line codes will be part of next release.

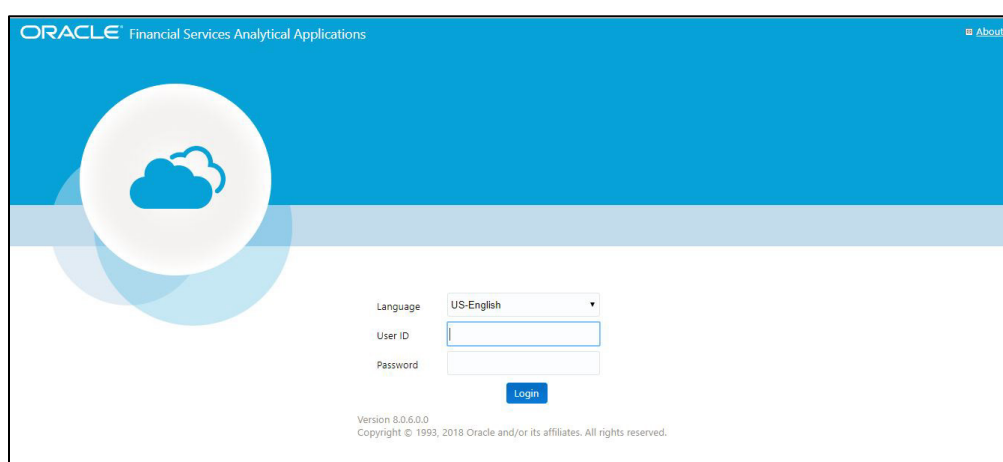
3.3 Accessing the OFSDF Interface or OFS REG REP APME Interface

After the application is installed and configured, to access the OFSDF Interface with Lombard Risk for OFS REG REP APME application, you must log in to the OFSAAI environment using the OFSAAI login page.

To access the application, follow these steps:

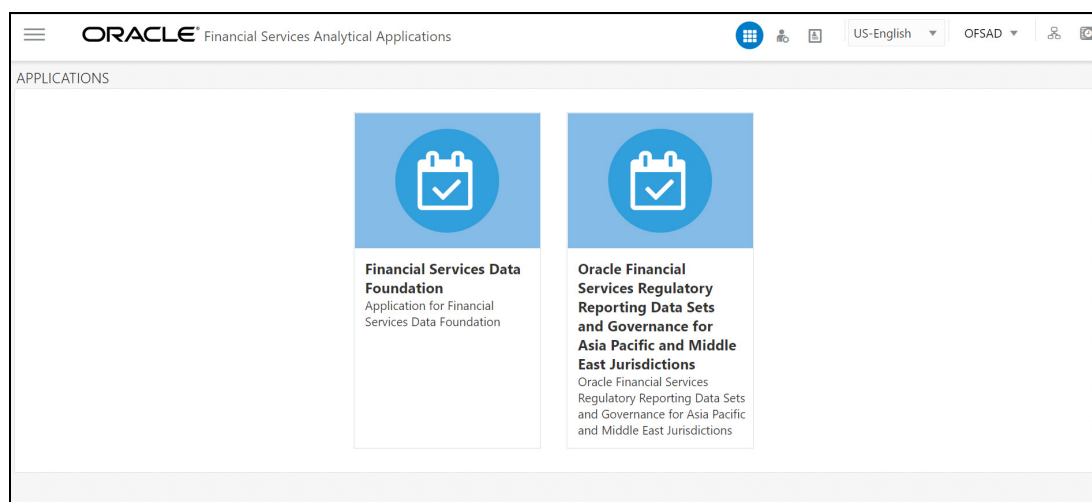
1. Enter the OFSAAI URL in your browser. The OFSAAI login page is displayed.

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 OFSAAI Applications page is displayed. Select **Financial Services Data Foundation**.

Figure 3: OFSAAI Application Page



4. Select the **Financial Services Data Foundation** option to navigate to the **FSDF** application or select the **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions** to navigate to the **OFS REG REP APME** application.

3.4 Regulatory Reporting Deployment

This chapter provides information on deploying the reports based on the selected jurisdiction. It retains only the relevant report objects in the application, which are used in debugging the issues if any. This approach makes the deployment process intuitive and transparent to the banks. The product consists of the metadata and the objects of APRA, MAS, RBI and HKMA jurisdictions.

NOTE

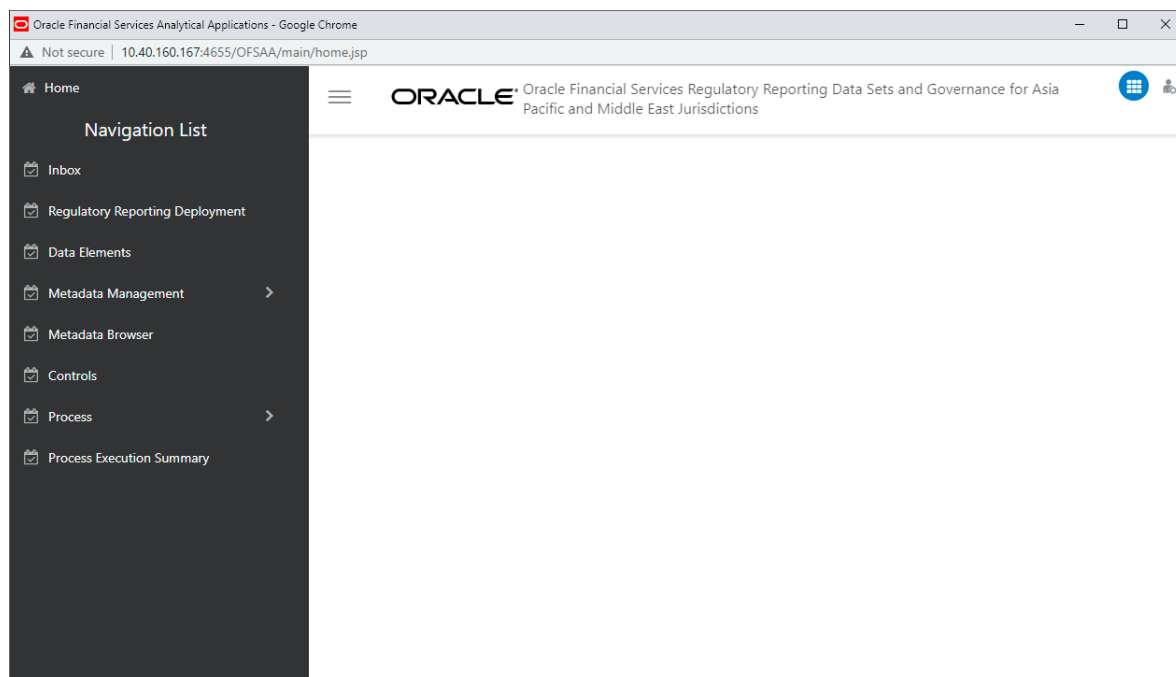
The user must be part of the SYSTEMADMIN group to perform the regulatory reporting deployment.

3.4.1 Deploying Regulatory Report Based on Various Jurisdictions

This section provides the step-by-step instructions to deploy the regulatory reports based on the selected jurisdiction.

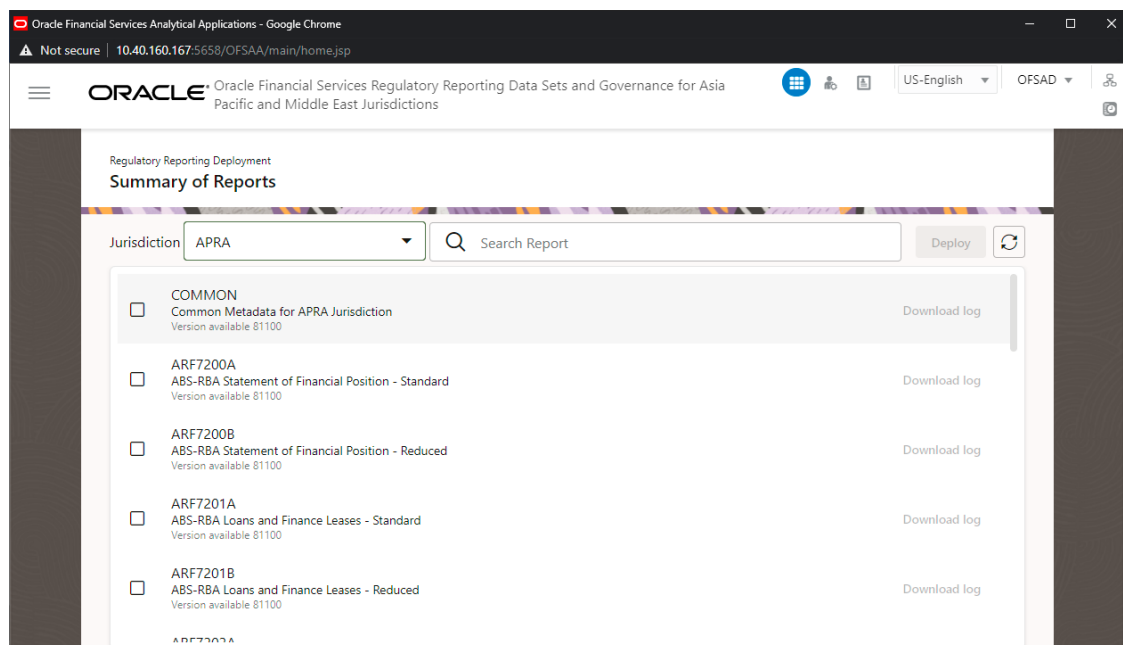
1. Login to OFSAA and select **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**.

Figure 4: Regulatory Reporting Deployment Navigation Page



2. Click on **Regulatory Reporting Deployment** menu.

Figure 5: Summary of Reports Page

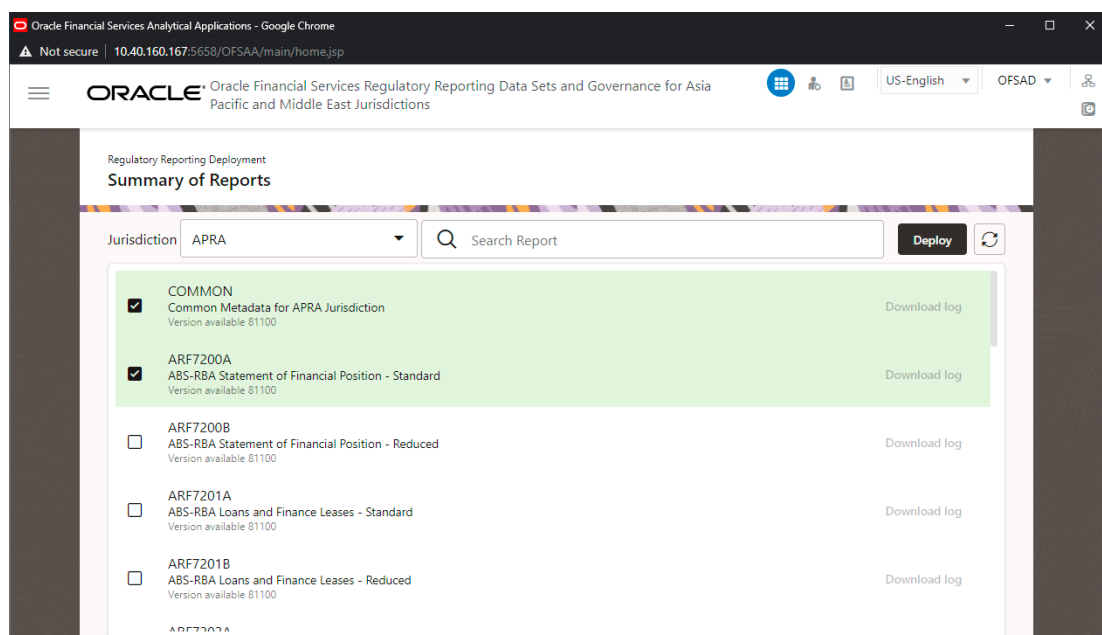


3. Select the required jurisdiction from the drop-down list.

Select the required reports from the available list or search for a specific report using the **Search** pane.

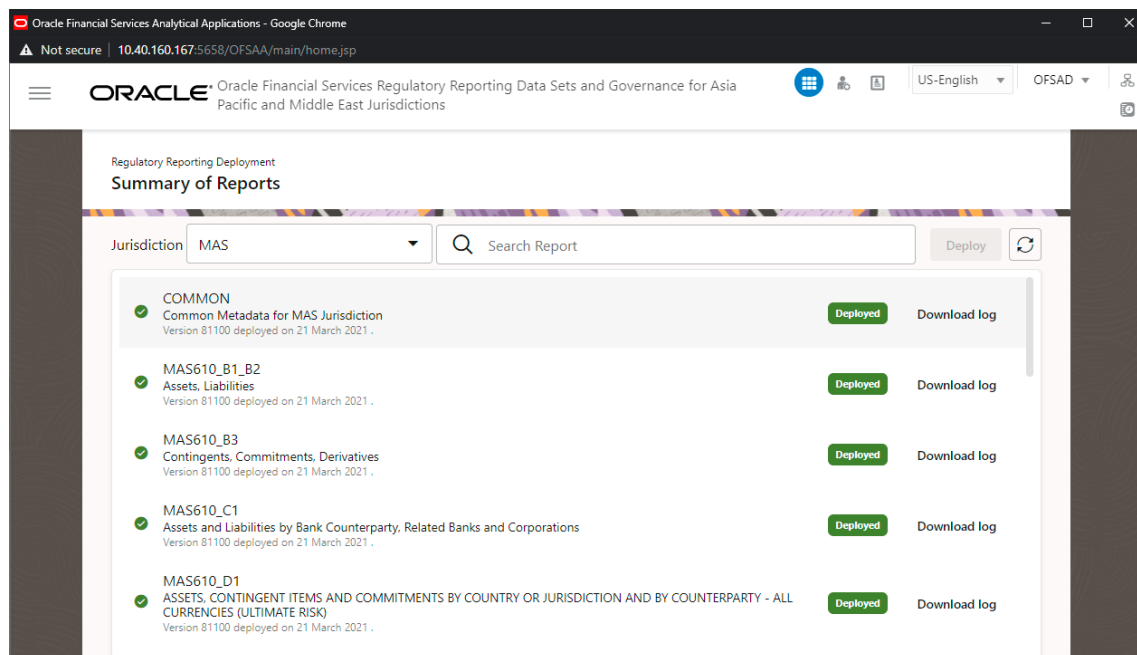
The report **COMMON** is automatically selected when a report in jurisdiction is deployed for first time. It includes all the common metadata such as Rules, Process, Run, Batches and so on required for the selected jurisdiction.

Figure 6: Report Selection Page



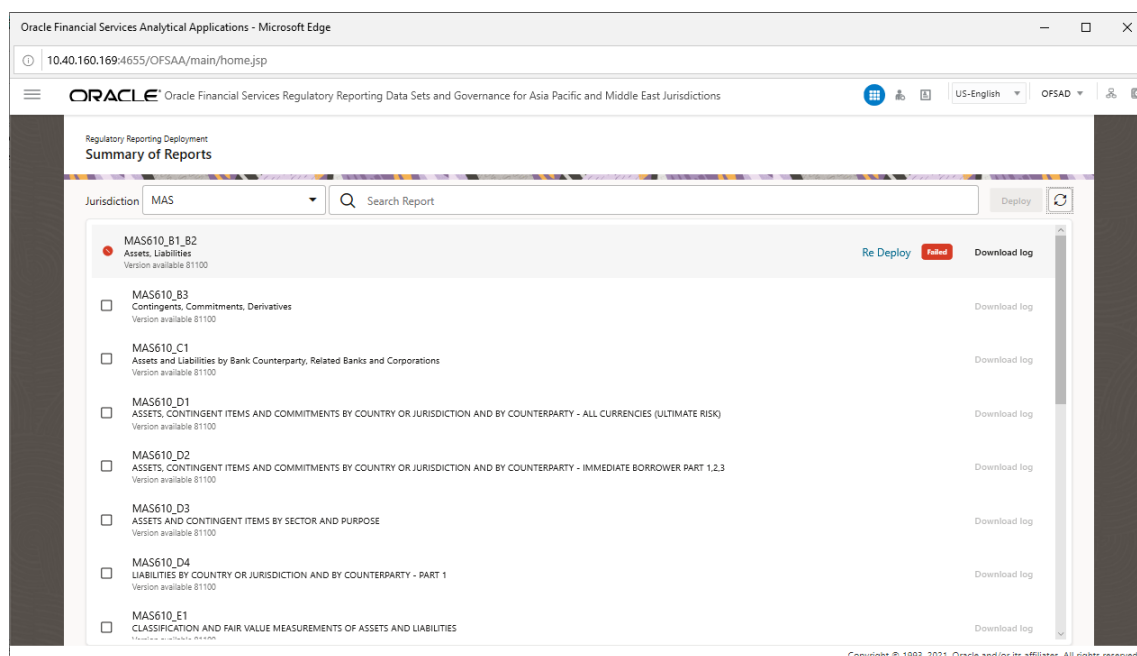
- Click **Deploy** button to trigger the deployment of reports.
The deployment of report occurs in a sequential manner. The status of the report is **Deployed** on successful deployment of the report.

Figure 7: Successful Deployment of Regulatory Report Page



- Click **Download log** button to download the log for the deployed report.

If the report deployment is unsuccessful, the Report Deployment unsuccessful page is displayed.

Figure 8: Report Deployment Unsuccessful Page

6. Click **Re Deploy** link to deploy the reports again.
7. Restart the application server once the deployment is successful.

3.5 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

Data Analysts are expected to perform the following activities:

1. Executing Batch to Refresh Derived Entities
2. Drill down from AgileREPORTER to OFSDF

Regulatory Report Analysts are expected to perform the following activities:

1. Drill down from AgileREPORTER to OFSDF
2. Using Metadata Browser to check schedule wise metadata

3. Using Metadata Browser to check metadata usage across schedules

Topics:

- [Process Execution Summary](#)
- [Marking Run as Final](#)
- [Reporting Flag for Run through Process Execution Summary](#)
- [Executing Batch to Resave Derived Entities](#)
- [Retrieving the Returns from AgileREPORTER](#)
- [Report Verification - Drill Down from AgileREPORTER to OFSAA Results Area](#)

3.5.1 Process Execution Summary

This section provides information on the Runs that are applicable for APME. The Process Execution Summary is launched once 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.

3.5.2 Marking Run as Final

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

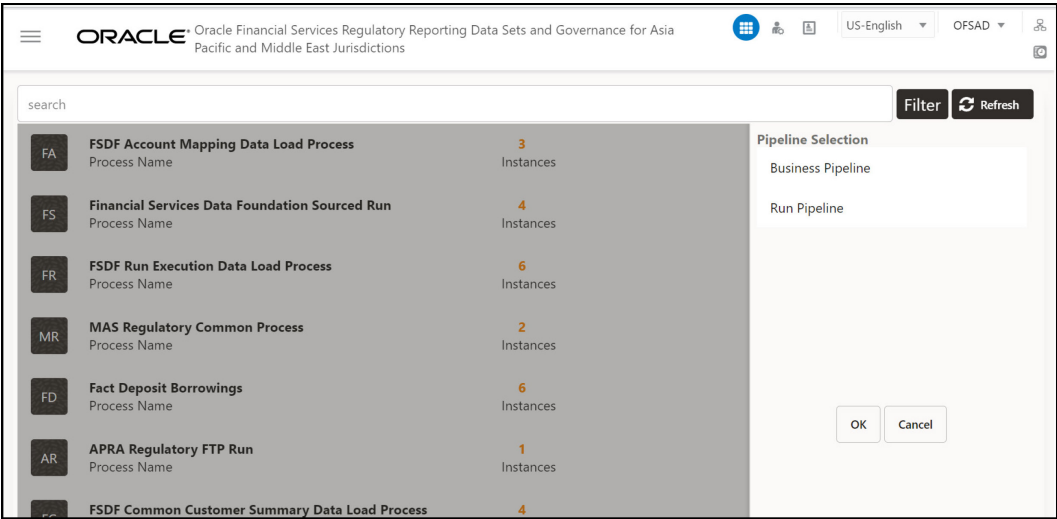
1. After logging into OFSAAI applications page, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions** and select **Process Execution Summary**.

Figure 9: Process Execution Summary Screen

Process Name	Instances
FA FSDF Account Mapping Data Load Process	3
FS Financial Services Data Foundation Sourced Run	4
FR FSDF Run Execution Data Load Process	6
MR MAS Regulatory Common Process	2
FD Fact Deposit Borrowings	6

2. Scroll towards the right and click **Filter**, select the **Run Pipeline** from the available pipeline selection list. Click **OK**.

Figure 10: Pipeline Selection Screen




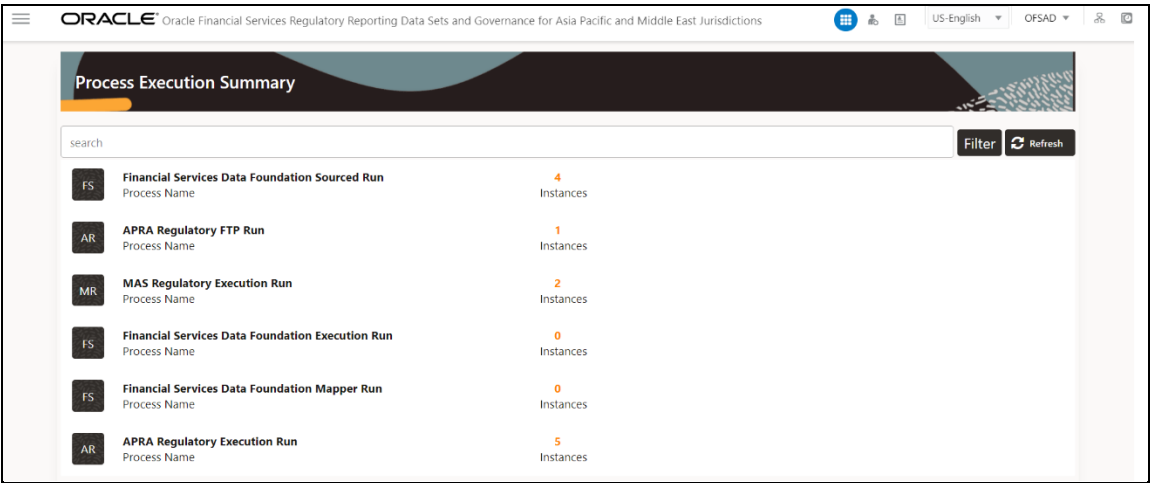
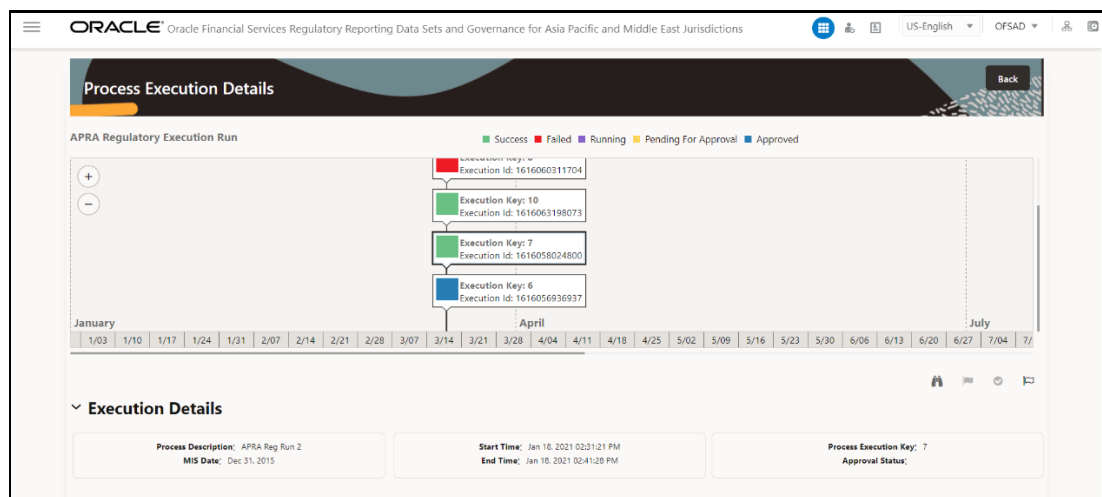
3. After the Run execution, the Process Execution Summary is generated in the list format as illustrated in the following steps. The summary page displays the **Process Names** for which the **Run Parameters** are generated.
4. Scroll towards the right and click **View**  in the **Process Name** row.

Figure 11: Process Execution Summary View Screen







You can view the detailed definition of a Run on 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.

Figure 12: Process Execution Details Screen



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

- **Process Description:** The MAS or APRA Regulatory Common Process Run appears as the process description when the user executes the Regulatory 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**.

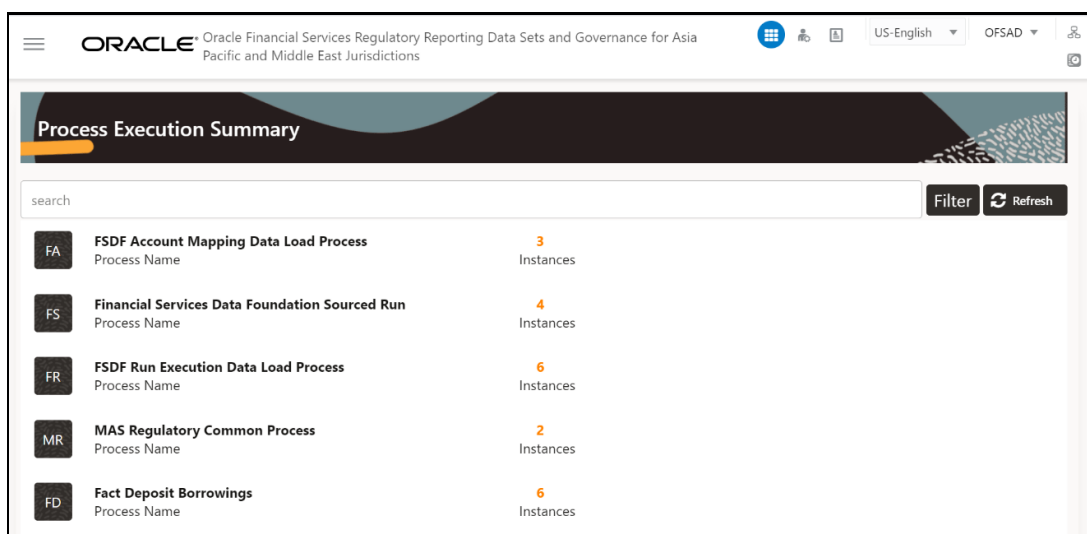
- **Override Report Flag:** Any reporting execution can be overwritten with another execution. Select a successfully triggered batch in the **Process Execution Summary** page. The **Override Report Flag**  is enabled if an execution is already marked as a Reporting Flag. You can override the execution 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.

3.5.3 Reporting Flag for Run through Process Execution Summary

To request, approve, and override a flag for the process execution, perform the following steps:

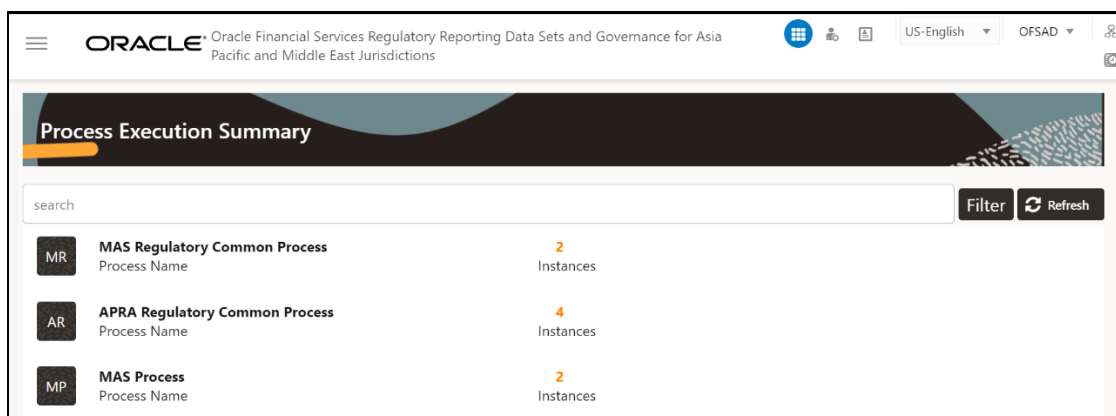
1. Navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions** and select **Process Execution Summary**.

Figure 13: Process Execution Summary Page

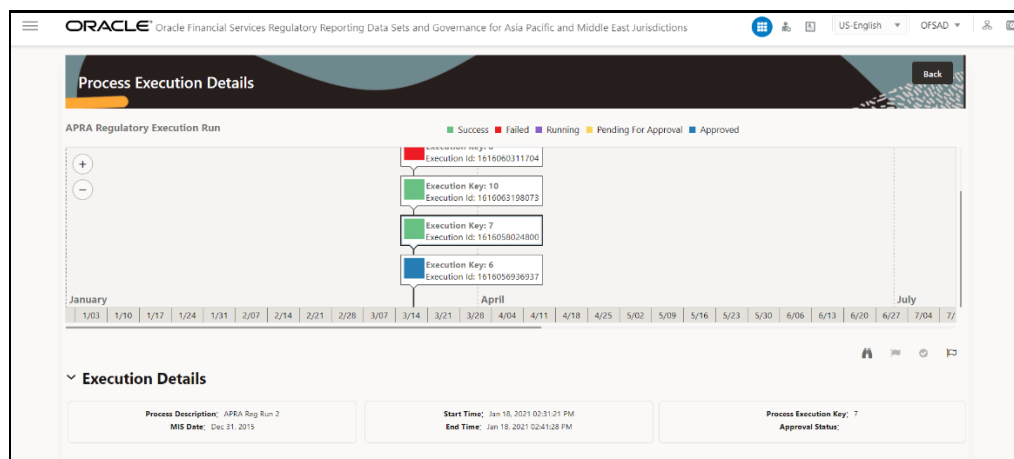


2. Scroll towards the right and click **Filter**, select the **Run Pipeline** from the available pipeline selection list. Click **OK**.

Figure 14: Process Execution Summary Filter Search Result Pane



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

Figure 15: Process Execution Details Page


4. Select **Request Report Flag**  to request a report flag for the selected run execution.

Figure 16: Request Report Flag Window

5. Enter information in the **Comments** field and click **Submit**. The request report flag for a run is saved successfully.

3.5.3.1 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.

3.5.3.2 Override Report Flag for a Run

To override the report flag for a successful run, perform the following steps:


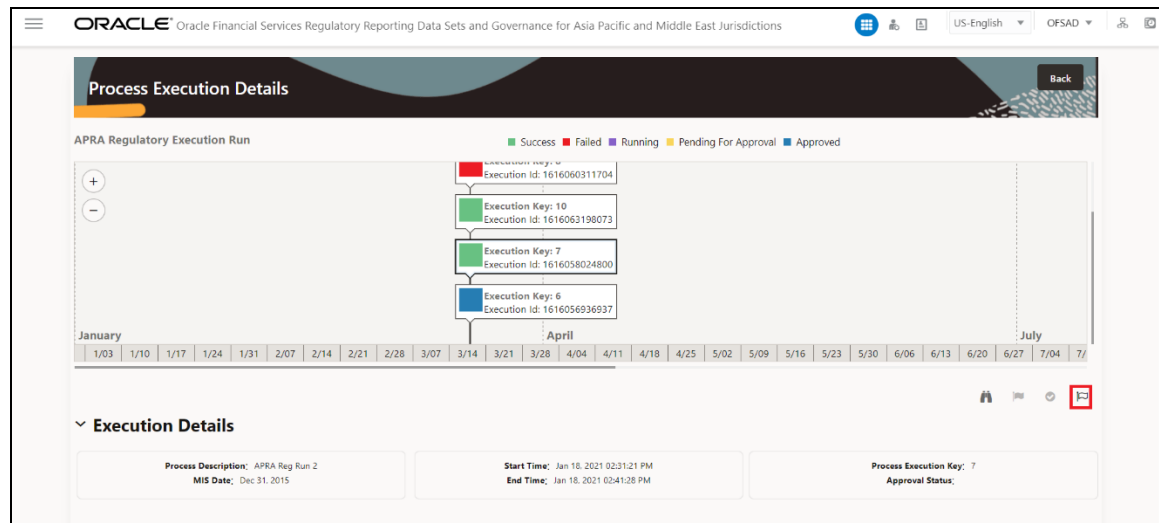
1. Navigate to the **Process Execution Summary** page and select the process name for which the report flag must be overridden.
2. Click **Override Report Flag**  to override the report flag.

Figure 17: Override Request Report Flag



3. Enter the information in the **Override Report Flag** window.

Figure 18: Override Report Flag Details Window

Reporting Flag

☒
User Comments

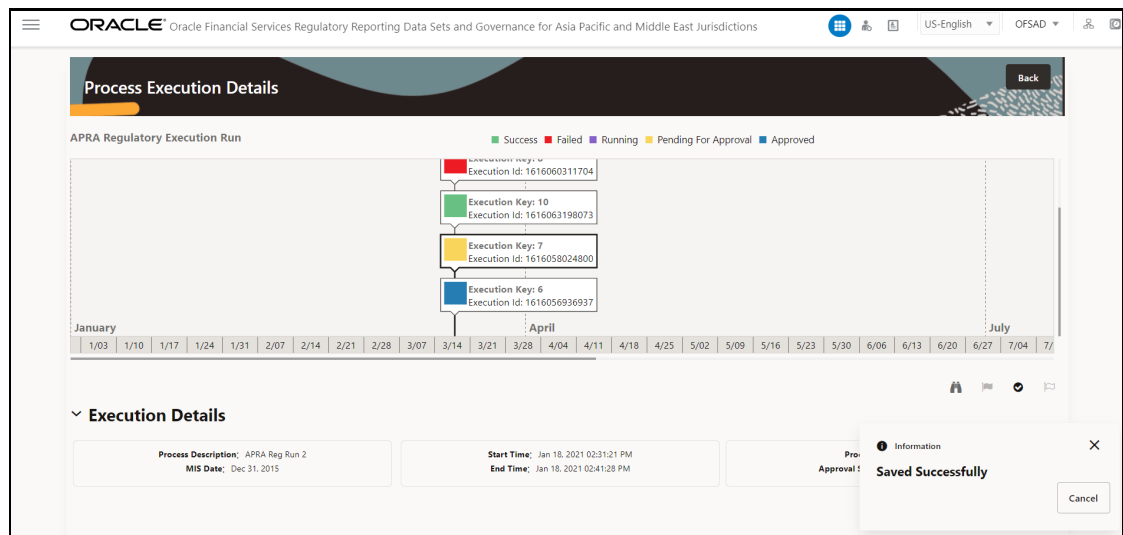
Existing Report Skey
10

Comments

Override

Cancel

4. Click **Override** to override the requested report flag.

Figure 19: Report Flag Pending for Approval page


5. Click **Approve Report Flag**  to approve the override report flag request.

Figure 20: Approve Override Report Flag Window

Approve

☒ **User Comments**

Existing Report Skey
10

Requesting Report Skey
7

Requested By
OFSAD

Requested Date
2021-04-06 00:00:00

Requested Comments
override

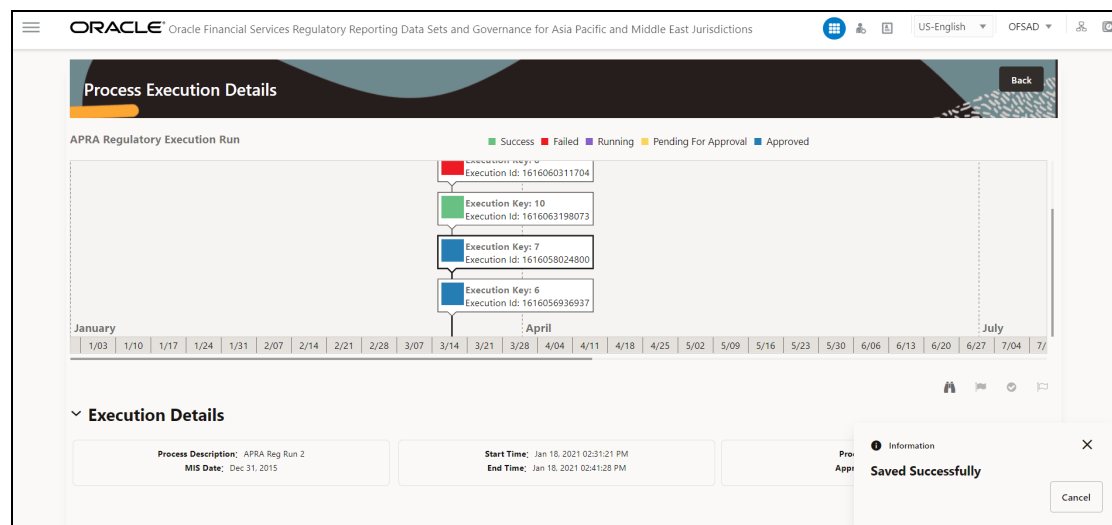
Approver Comments

Approve

Reject

6. Enter the information in the **Approver Comments** field and click **Approve** and the report flag is overridden successfully.

Figure 21: Overridden Report Flag page



3.5.4 Executing Batch to Resave Derived Entities

To execute the batch to resave derived entities, follow these steps:

1. After logging into the OFSAAI applications page, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Operations**, and then select **Batch Execution**
2. Select the batch **<<INFODOM>>_APRA_<<REPORT NAME>>_RESAVEDE** to resave all the DEs used in that **<<REPORT NAME>>**.

Figure 22: Batch Maintenance Screen

Batch Execution

Batch Mode: ☒ Run ☐ Restart ☐ Rerun

Search: Batch ID Like Batch Description Like Search Reset

Module Last Modification Date Between And

Batch Details

Batch ID	Batch Description
<input type="checkbox"/> FSDFINFAPME_ACCT_MAPPER_INSERT	Account mapper insert batch
<input type="checkbox"/> FSDFINFAPME_ALM	Data Quality batch for ALM tables
<input type="checkbox"/> FSDFINFAPME_APME_ADJUSTMENT_REFRESH	This Batch refreshes the RRS APME Materialized Views for ADJUSTMENT
<input type="checkbox"/> FSDFINFAPME_APME_ADJUSTMENT_RESAVEDE	This Batch Resaves the RRS APME Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ADJUSTMENT_REFRESH	This Batch refreshes the RRS APRA Materialized Views for ADJUSTMENT
<input type="checkbox"/> FSDFINFAPME_APRA_ADJUSTMENT_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7200A_REFRESH	This Batch refreshes the RRS APRA Materialized Views for ARF7200A
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7200A_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7200B_REFRESH	This Batch refreshes the RRS APRA Materialized Views for ARF7200B
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7200B_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7201A_REFRESH	This Batch refreshes the RRS APRA Materialized Views for ARF7201A
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7201A_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7201B_REFRESH	This Batch refreshes the RRS APRA Materialized Views for ARF7201B
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7201B_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7202A_REFRESH	This Batch refreshes the RRS APRA Materialized Views for ARF7202A
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7202A_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW

Page 1 of 13 (1-15 of 194 items) K < > X

Records Per Page 15

Task Details

Task ID	Task Description	Metadata Value	Component ID	Precedence	Task Status
No data found					

Page 0 of 0 (0-0 of 0 items) K < > X

Records Per Page 0

Information Date

Date

Execute Batch

3. Monitor the status of the batch using the **Batch Monitor** link (Navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Operations**, and then select **Batch Monitor**).

Figure 23: Batch Monitor Screen

Batch Monitor

Batch ID Like Batch Description Like Search Reset

Module Status

Start Date End Date

Batch Details

Batch ID	Batch Description
<input type="checkbox"/> FSDFINFAPME_ACCT_MAPPER_INSERT	Account mapper insert batch
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7200A_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7200B_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7203_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7420A_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7420B_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7430_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7440A_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7440B_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7460A_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7470A_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7480A_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_APRA_ARF7480B_RESAVEDE	This Batch Resaves the RRS APRA Derived Entity for Creating MVIEW
<input type="checkbox"/> FSDFINFAPME_DATA_FOUNDATION_SCD	Data Foundation SCD for Loading Dimension Tables
<input type="checkbox"/> FSDFINFAPME_DGS_DQ_CTL_BATCH	DQ Control Batch

Page 1 of 2 (1-15 of 29 items) K < > X

Records Per Page 15

Batch Run Details ☒ Start Monitoring ☐ Stop Monitoring Reset

Information Date Monitor Refresh Rate (seconds) 5

Batch Run ID

Batch Status

Batch Run ID	Batch Status
No data found	

4. The batches available for resaving DE in this release for APRA, MAS, RBI and HKMA are as follows:

- batch_resave_de_apme_adjustments
- <<INFODOM>>_APRA_<REPORT>_RESAVEDE

- <<INFODOM>>_MAS_<REPORT>_RESAVEDE
- <<INFODOM>>_RBI_RCAIII_RESAVEDE
- <<INFODOM>>_HKMA_<REPORT>_RESAVEDE

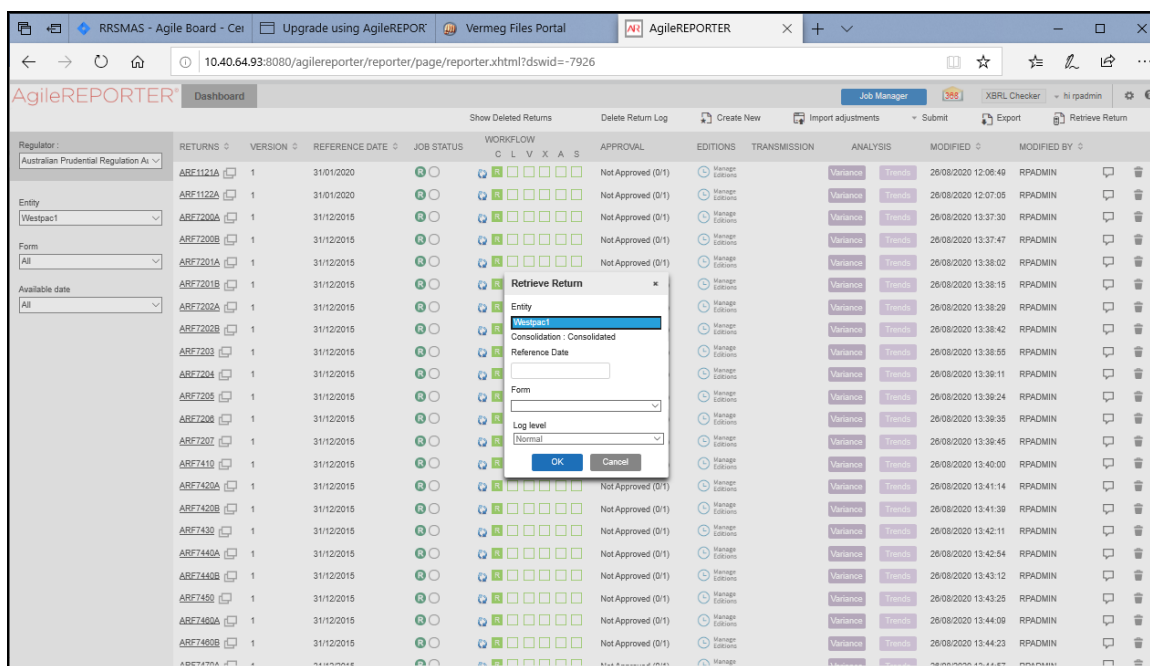
The batches available for refreshing DE in this release for APRA, MAS, RBI and HKMA are as follows:

- batch_refresh_de_apme_adjustments.sql
- <<INFODOM>>_APRA_<REPORT>_REFRESH
- <<INFODOM>>_MAS_<REPORT>_REFRESH
- <<INFODOM>>_RBI_RCAIII_REFRESH
- <<INFODOM>>_HKMA_<REPORT>_REFRESH

3.5.5 Retrieving the Returns from AgileREPORTER

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

Figure 24: Retrieve Returns Page



3.5.6 Report Verification - Drill Down from AgileREPORTER to OFSAA Results Area

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

NOTE OFSAA user must be assigned to the RPTANALST group.

1. Log in to the AgileREPORTER.

Figure 25: AgileREPORTER Login Page

AgileREPORTER by VERMEG

Automated regulatory compliance

Highly scalable for global volume processing capability enables AgileREPORTER to be extended for other business units and geographies as business requirements evolve

Sign in

Username

Password

Sign in

You can view the list of reports on the Main Page.

Figure 26: AgileREPORTER Main Page

Regulator	Entity	Form	Available date	RETURNS	VERSION	REFERENCE DATE	JOB STATUS	WORKFLOW	APPROVAL	EDITIONS	TRANSMISSION	ANALYSIS	MODIFIED	MODIFIED BY
Australian Prudential Regulation Au	Westpac1	All	All	ARF1121A	1	31/01/2020	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 12:06:48	RPACMIN		
				ARF1122A	1	31/01/2020	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 12:07:05	RPACMIN		
				ARF7200A	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:37:30	RPACMIN		
				ARF7200B	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:37:47	RPACMIN		
				ARF7201A	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:38:02	RPACMIN		
				ARF7201B	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:38:15	RPACMIN		
				ARF7202A	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:38:29	RPACMIN		
				ARF7202B	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:38:42	RPACMIN		
				ARF7203	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:38:55	RPACMIN		
				ARF7204	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:39:11	RPACMIN		
				ARF7205	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:39:24	RPACMIN		
				ARF7206	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:39:35	RPACMIN		
				ARF7207	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:39:45	RPACMIN		
				ARF7410	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:40:00	RPACMIN		
				ARF7430A	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:41:14	RPACMIN		
				ARF7430B	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:41:56	RPACMIN		
				ARF7430C	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:42:11	RPACMIN		
				ARF7440A	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:42:54	RPACMIN		
				ARF7440B	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:43:12	RPACMIN		
				ARF7450	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:43:25	RPACMIN		
				ARF7450A	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:44:09	RPACMIN		
				ARF7450B	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:44:23	RPACMIN		
				ARF7450C	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:44:23	RPACMIN		
				ARF7450D	1	31/12/2015	Not Approved (D1)	Manage Editions	Variance	Trends	26/08/2020 13:44:23	RPACMIN		

2. Select any report name in the Returns Column, for example, **ARF720_0A**.

Figure 27: AgileREPORTER Page Displaying List of Schedules

AgileREPORTER v1 Australian Prudential Regulation Authority / Westpac 31/12/2015 Not Approved (0/1)

ARF_720_0A: ABS/RBA Statement of Financial Position (Standard)

Australian Business Number: 000000000

Institution Name: Bank Name

Reporting Date: 31/12/2015

XBRL Transmission Header Details

Lodgment Return Identifier Code	8001
Lodgment Return Version Number	1
Lodgment Return Name Text	Monthly Economic Financial Statistics Return 1
Report Type Code	ARF_720_0A
Report Version Text	7
Lodgment Form Name Text	ABS/RBA Statement of Financial Position (Standard)
Miscellaneous Reporting Consolidation Identifier Code	NUL
Miscellaneous Reporting Consolidation Type Code	DOMESTIC
Miscellaneous Reporting Consolidation Sub Type Code	NUL
Miscellaneous Reporting Consolidation Name Text	Domestic
Period Start Date	01/01/1900

Pages

- Summary
- Validation Rule Failures
- 0 Critical
- 0 Warning
- General Information
- Section A
- Section B
- Section C

The schedule list is displayed on the right-hand side.

3. Select any schedule name, for example, **Section A**.

Figure 28: AgileREPORTER Schedule Details Page

AgileREPORTER v1 Australian Prudential Regulation Authority / Westpac 31/12/2015 Not Approved (0/1)

ARF_720_0A: ABS/RBA Statement of Financial Position (Standard)

Section A: Assets

	Total (1)	of which: Denominated in FX (AUD equivalent) (2)
1. Total currency and unallocated gold	384,049,370,884	212,943,088,888
1.1. Notes and coins	195,153,273,378	108,502,435,144
1.2. Unallocated gold	188,799,097,306	104,436,653,722

	At call (1)	of which: Denominated in FX (AUD equivalent) (2)	Not at call (3)	of which: Denominated in FX (AUD equivalent) (4)	Total (5)
2. Total funds on deposit at other financial institutions	28,035,253	10,677,599	22,205,272	13,580,285	50,240,525
2.1. Residents	22,520,200	7,629,928	18,600,210	10,520,514	39,210,419
2.1.1. RBA	2,757,527	1,525,388	2,757,527	1,525,388	5,515,054
2.1.2. ADIs	14,247,821	3,050,771	8,417,836	5,953,357	22,665,290
2.1.3. Registered financial corporations	2,757,527	1,525,388	2,757,527	1,525,388	5,515,054
2.1.4. Clearing houses and central counterparties	2,757,527	1,525,388	2,757,527	1,525,388	5,515,054
2.1.5. Other financial institutions	-2	-1	-1	-1	-3
2.2. Non-residents	5,515,053	3,050,771	5,515,053	3,050,771	11,030,108
2.2.1. of which: Clearing houses and central counterparties	2,757,527	1,525,388	2,757,527	1,525,388	5,515,054

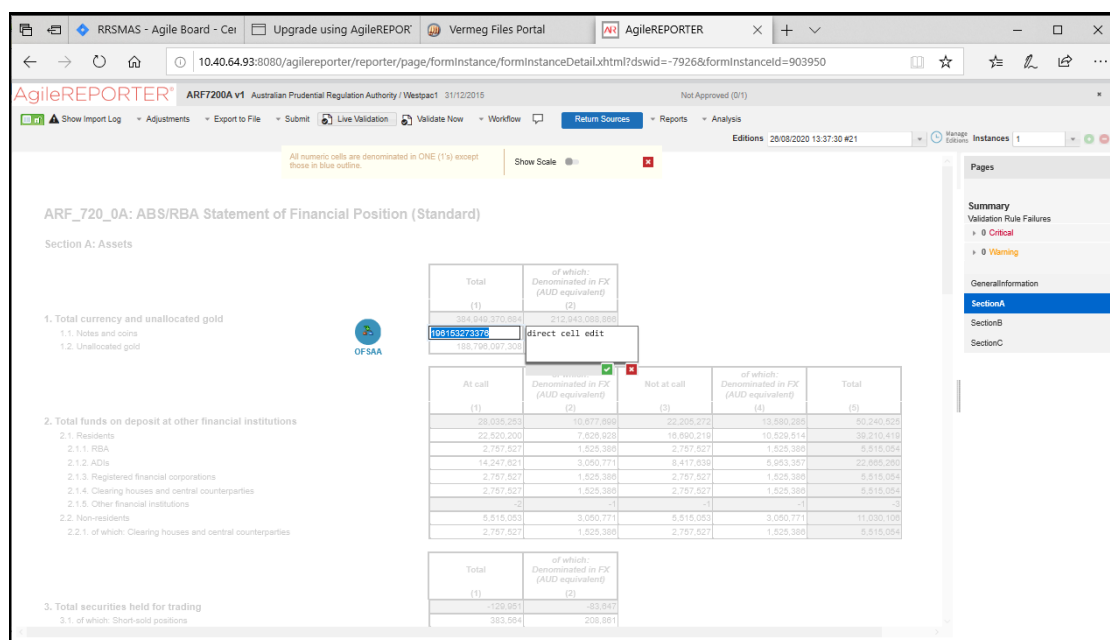
	Total (1)	of which: Denominated in FX (AUD equivalent) (2)
3. Total securities held for trading	-129,551	-53,547
3.1. of which: Short-sold positions	383,564	208,881

Pages

- Summary
- Validation Rule Failures
- 0 Critical
- 0 Warning
- General Information
- Section A
- Section B
- Section C

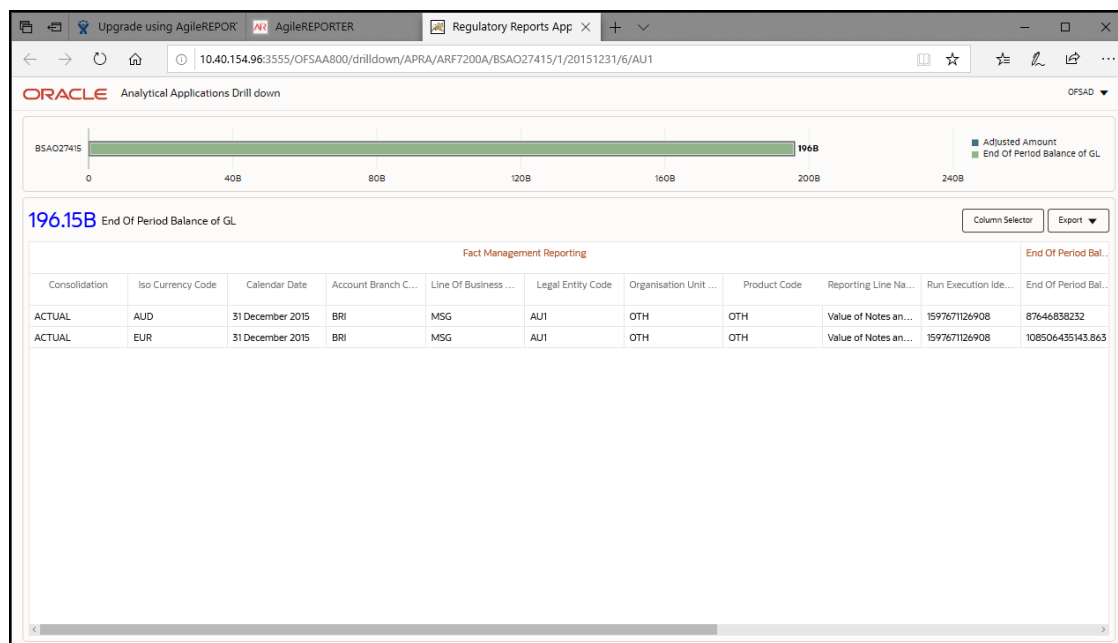
4. Click any cell to drill down. Figure 29 displays Drill down for the cell. The **OFSAA icon** is displayed.

Figure 29: AgileREPORTER Schedule Drill Down Page

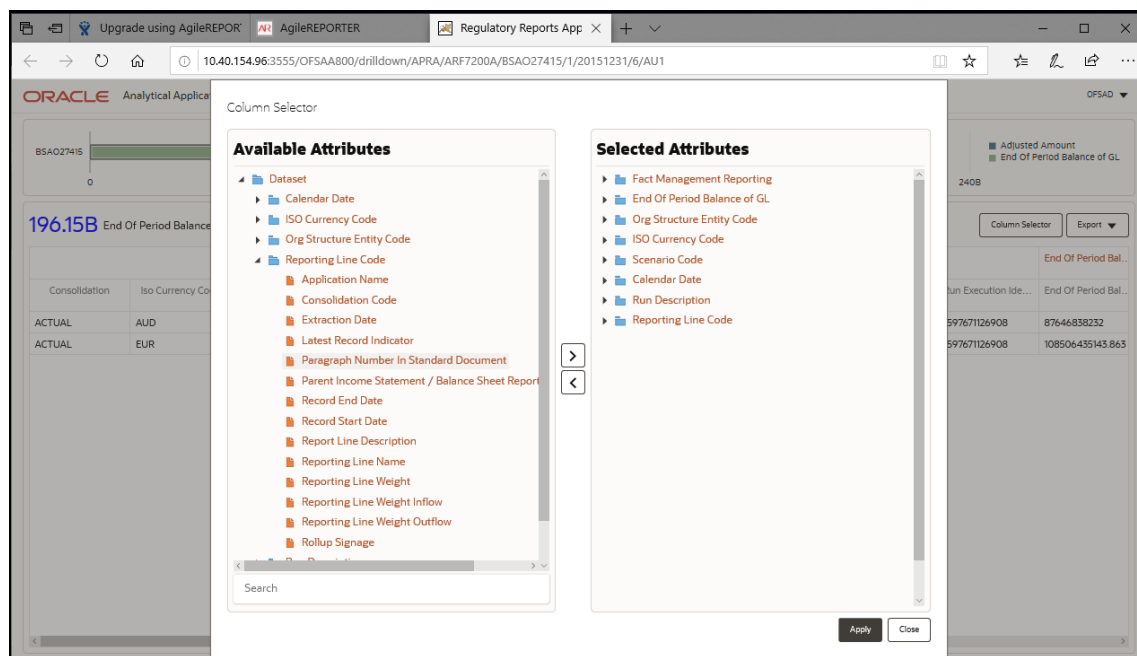




- Click the OFSAA icon, to view how this cell was populated (provides information about the amounts reported in a cell) from OFSAA Results. You are redirected to the OFSAA Drill down Page.


Figure 30: AgileREPORTER Drill down Page



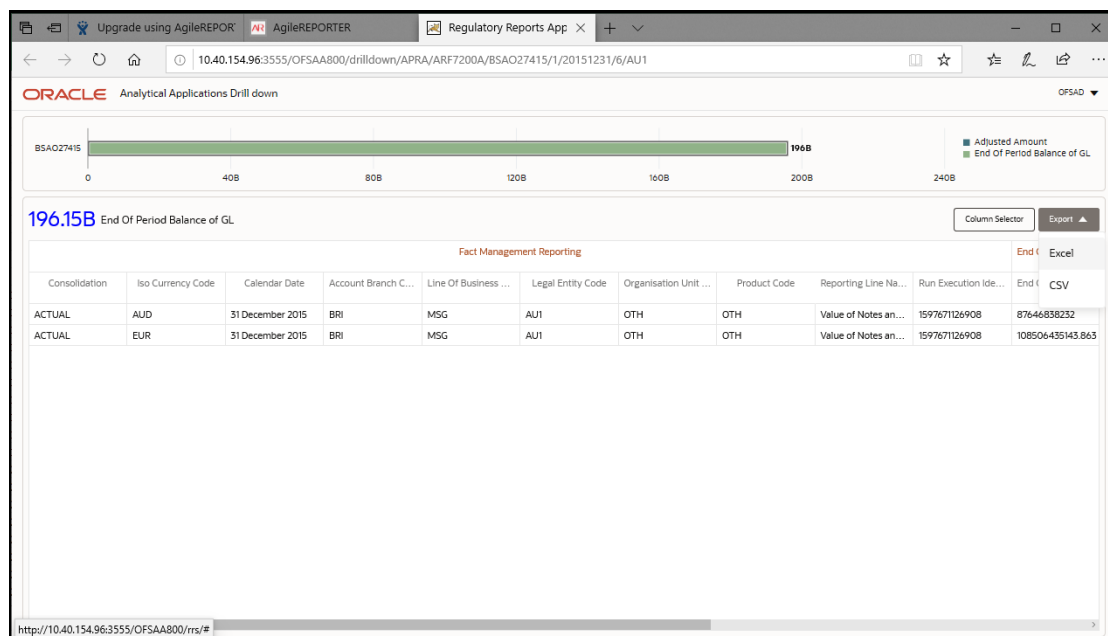
- Click the **Column Selector** Button on the header of the Second Table.

Figure 31: Drill down Attribute Selector**NOTE**

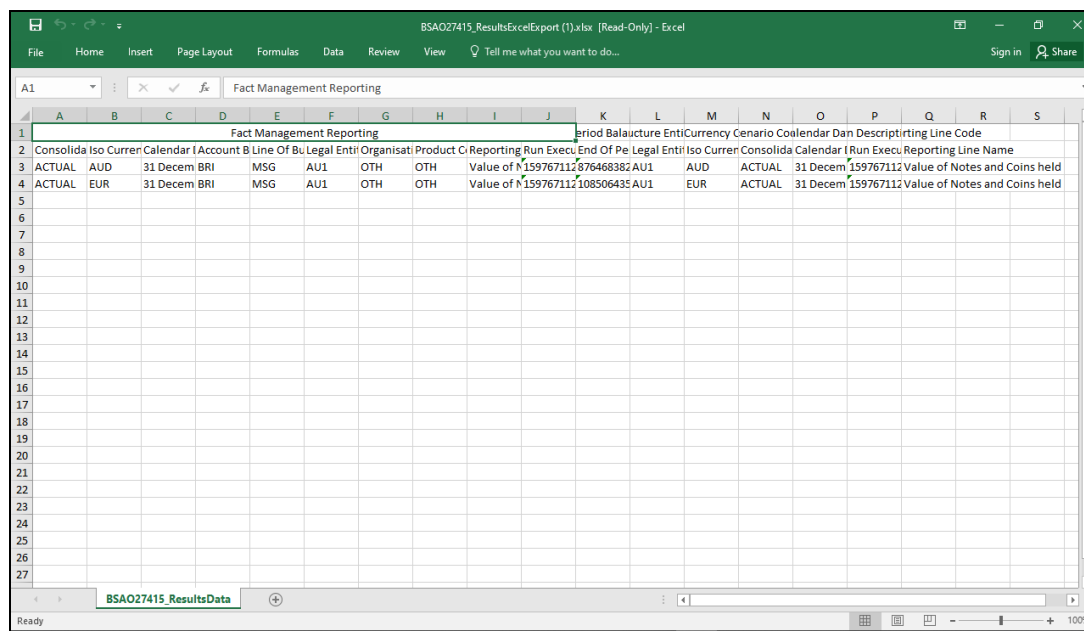
Select the required Data Source, from the Available Attributes list and click **Move** . You can press the **Ctrl** key and click **Move**  for multiple selections to map all the listed Data Sources to the application.

Select the required Data Source, from the Selected Attributes list and click **Remove**  to remove the mapped Data Source from the application.

- Expand **Dataset** and select the **Attribute** to be shown in the Drill down. Click **Apply**.

Figure 32: Drill down Columns

8. Click **Export** to export the report details.

Figure 33: Exported Report Details

4 Regulatory Reporting (REG REP) 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:

- [Data Preparation](#)
- [Overview of OFS REG REP APME User Interface](#)
- [Adjustment Feature for Template-based Reports](#)
- [Mapping of Results to Line Items in Reporting](#)
- [AgileREPORTER: Submission](#)

4.1 Data Preparation

This section explains the input data preparation from OFSAA.

Topics:

- [Assumptions for Data Preparation](#)
- [APME Run Chart](#)
- [Reclassification of Regulatory Dimensions](#)
- [Configuring Setup Tables for Standard Set of Values](#)
- [Run or Execution Expectations](#)
- [Projection Data](#)
- [Data Flow from Sources Systems to Staging Area](#)
- [Data Flow from Staging to Results Area](#)
- [Data flow from Staging to Processing Area](#)
- [Data Flow from Processing to Results Area](#)
- [Guidelines for Data Loading to Result Area Tables in Data Foundation for Regulatory Reporting Implementations](#)
- [FSDF Entity Information](#)
- [Fact Tables or Entities](#)
- [Inclusion of GL Recon Reconciled Accounts in Reporting](#)

4.1.1 Assumptions for Data Preparation

1. REG REP is a reporting solution, which uses data from underlying fact tables directly for reporting. You are 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 REG REP data sourcing.
3. Baseline and stress data must be populated with appropriate codes. Inaccurate mappings 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/year), only one set of data is expected to be stored.

4.1.2 APME RUN CHART

Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions Pack provides the APME (APRA/MAS/HKMA/RBI) RUN Chart listing the tasks required for the population of data for APME Reports. This covers the following tasks:

- Setup Table Population
- Stage Dimension Load
- Seeded Dimension Data Population
- Common Data Population
- Common Tasks like Exchange Rate Population
- APRA Specific Data Population and Transformation
- Derived Entity Refresh

Download the **8.1.2.1.0 RUN Chart for APME (APRA/MAS/HKMA/RBI)** from the [MOS](#).

4.1.3 Reclassification of Regulatory Dimensions

This section provides information about Regulatory Dimension Tables in the Regulatory Reporting for Australian Prudential Regulation Authority (OFS REG REP APME) application and step-by-step instructions to use this section.

This section includes the following topics:

- Overview of Reclassification of Regulatory Dimensions
- Overview of Reclassification of Regulatory Dimensions Population
- Dimension Data Expectations through SCD
- Overview of Mappers for Reclassification of Regulatory Dimensions
- Maintenance of Mappers for Reclassification of Regulatory Dimensions
- Loading Mapper Maintenance through Backend
- Usage of Mapper Tables in Data Flow and Reports

Topics:

- [Overview of Reclassification of Regulatory Dimensions](#)
- [Dimension Data Expectations through SCD](#)

- [Overview of Mappers for Reclassification of Regulatory Dimensions](#)
- [Maintenance of Mappers for Reclassification of Regulatory Dimensions](#)
- [Loading Mapper Maintenance through Backend](#)
- [Usage of Mapper Tables in Data Flow and Reports](#)

4.1.3.1 Overview of Reclassification of Regulatory Dimensions

There are certain Regulatory Dimensions in OFS REG REP APME, which are pre-populated with a standard set of values. These values are used by downstream applications for various reporting requirements. There are equivalent customer-specific dimension tables that are populated using a Slowly Changing Dimension (SCD) process. It is required to reclassify these user-specific values to standard / regulatory specific values as the reporting expects these standard set of values. The reclassification is done using out of the box Mapper Definitions under the Mapper Maintenance screen.

4.1.3.2 Dimension Data Expectations through SCD

By default, all standard dimensions are pre-populated with seeded data. It is mandatory to have data in user-specific dimensions and then maintain the reclassifications. Therefore, you must execute the SCDs and then map the reclassification codes under Mapper Maintenance.

4.1.3.3 Overview of Mappers for Reclassification of Regulatory Dimensions

These are out of the box mappers that are available in Oracle Financial Services Data Foundation (OFSDF) for the regulatory dimension reclassifications:

- MAP_GL_CODE_REP_LINE: Mapper for GL Code to Reply Code

Mapper Details for APRA, MAS, RBI and HKMA

The mappers used in reclassification rules for APRA, MAS, RBI and HKMA are as follows:

Table 7: APRA Mapper Reclassification Rules

Sl. No.	Rule Code	Rule Name	Mapper Name	Source Dim Table	Source Dim Column	Target Dim Table	Target Dim Column
1	RGRLJP01	RG - RL - Party Category Classification	MAP_PART_TYP_PART_CAT_APRA	DIM_PARTY_TYPE	V_PARTY_TYPE_CODE	DIM_REG_PARTY_CATEGORY	V_REG_PARTY_CATEGORY_CD
2	RGRLJP02	RG - RL - Product Category Classification	MAP_PROD_TYP_PROD_CAT_APRA	DIM_PRODUCT_TYPE	V_ACCT_PROD_TYPE	DIM_REG_PRODUCT_CATEGORY	V_REG_PROD_CATEGORY_CD
3	RGRLJP03	RG - RL - Interest Type Classification	MAP_INTTYP_REG_INTTYP_APRA	DIM_INTEREST_TYPE	V_INTEREST_TYPE	DIM_REG_INTEREST_TYPE	V_REG_INTEREST_TYPE_CD
4	RGRLJP11	RG- RL - Regulatory Loan Purpose	MAP_LNPUR_REG_LNPUR_APRA	DIM_LOAN_PURPOSE	V_LOAN_PURPOSE_CODE	DIM_REG_LOAN_PURPOSE	V_REG_LOAN_PURPOSE_CODE
5	RGRLJP13	RG- RL - Reg Industry Classification	MAP_IND_REG_IND_APRA	DIM_INDUSTRY	V_D_CUST_INDUSTRY	DIM_REG_INDUSTRY	V_REG_INDUSTRY_CODE
6	RGRLJP16	RG- RL - Reg Party Details Reclassification	MAP_PARTYP_PARCAT_DET_APRA	DIM_PARTY_TYPE	V_PARTY_TYPE_CODE	DIM_REG_PARTY_CATEGORY	V_REG_PARTY_CATEGORY_CD
7	RGRLJP17	RG- RL - Regulatory Lease Purpose	MAP_LSPUR_REG_LSPUR_APRA	DIM_LEASE_PURPOSE	V_LEASE_PURPOSE_CODE	DIM_REG_LEASE_PURPOSE	V_REG_LEASE_PURPOSE_CODE
8	RGRLJP24	RG - RL - APRA - Reg Repayment Type Reclassification	MAP_PYTYP_REG_REPAYTYP_APRA	DIM_REPAYMENT_TYPE	V_REPAYMENT_TYPE	DIM_REG_REPAYMENT_TYPE	V_REG_REPAYMENT_TYPE_CODE
9	RGRLJP25	RG- RL - Reg Application Party Classification	MAP_REG_APP_PARTY_CAT_APRA	DIM_PARTY_TYPE	V_PARTY_TYPE_CODE	DIM_REG_PARTY_CATEGORY	V_REG_PARTY_CATEGORY_CD
10	RGRLJP26	RG- RL - Reg Application Interest Type Classification	MAP_REG_APP_INTTYP_APRA	DIM_INTEREST_TYPE	V_INTEREST_TYPE	DIM_REG_INTEREST_TYPE	V_REG_INTEREST_TYPE_CD
11	RGRLJP27	RG - RL - Reg Application Product Classification	MAP_REG_APP_PROD_CAT_APRA	DIM_PRODUCT_TYPE	V_ACCT_PROD_TYPE	DIM_REG_PRODUCT_CATEGORY	V_REG_PROD_CATEGORY_CD
12	RGRLJP28	RG- RL - APRA - Mitigant Type Reclassification in Mitigants	MAP_MIT_TYP_STD_MIT_APRA	DIM_MITIGANT_TYPE	V_MITIGANT_TYPE	DIM_STD_MITIGANT_TYPE	V_STD_MITIGANT_TYPE_CODE

13	RGRLJP31	RG- RL - APRA - Fixed Assets Reclassification	MAP_FXASST_REG_FXASST_APRA	DIM_FIXED_ASSETS	V_FIXED_ASSET_CD	DIM_REG_FIXED_ASSETS	V_REG_FIXED_ASSET_CD
14	RGRLJP33	RG- RL - APRA - Compensation Type Classification	MAP_REG_COMPTYP_APRA	DIM_COMPENSATION_TYPE	V_COMPENSATION_TYPE_CODE	DIM_REG_COMPENSATION_TYPE	V_REG_COMPENSATION_TYPE_CODE
15	RGRLJP34	RG- RL - APRA - Balance Type Classification	MAP_STD_BALANCE_TYP_APRA	DIM_BALANCE_TYPE	V_BALANCE_TYPE	DIM_STD_BALANCE_TYPE	V_STD_BALANCE_TYPE
16	RGRLJP35	RG- RL - APRA - Special term Classification	MAP_STD_SPECIAL_TERM_APRA	DIM_SPECIAL_TERM	V_SPECIAL_TERM_CODE	DIM_STD_SPECIAL_TERM	V_STD_SPECIAL_TERM_CODE

Table 8: MAS Mapper Reclassification Rules

Sl. No.	Rule Code	Rule Name	Mapper Name	Source Dim Table	Source Dim Column	Target Dim Table	Target Dim Column
1	RGRLMS01	RG - RL - MAS - Party Category Classification	MAP_PART_TYP_PART_CAT_MAS	DIM_PARTY_TYPE	V_PARTY_TYPE_CODE	DIM_REG_PARTY_CATEGORY	V_REG_PARTY_CATEGORY_CD
2	RGRLMS02	RG - RL - MAS - Product Category Classification	MAP_PROD_TYP_PROD_CAT_MAS	DIM_PRODUCT_TYPE	V_ACCT_PROD_TYPE	DIM_REG_PRODUCT_CATEGORY	V_REG_PROD_CATEGORY_CD
3	RGRLMS10	RG - RL - MAS - Mitigant Type Reclassification in Placed Collateral	MAP_MIT_TYP_STD_MIT_FPC_MAS	DIM_MITIGANT_TYPE	V_MITIGANT_TYPE	DIM_STD_MITIGANT_TYPE	V_STD_MITIGANT_TYPE_CODE
4	RGRLMS11	RG - RL - MAS - Mitigant Type Reclassification in Mitigants	MAP_MIT_TYP_STD_MIT_MAS	DIM_MITIGANT_TYPE	V_MITIGANT_TYPE	DIM_STD_MITIGANT_TYPE	V_STD_MITIGANT_TYPE_CODE
5	RGRLMS12	RG - RL - MAS - Account Purpose Reclassification	MAP_ACTPUR_REG_ACTPUR_MAS	DIM_ACCOUNT_PURPOSE	V_ACCOUNT_PURPOSE_CODE	DIM_REG_ACCOUNT_PURPOSE	V_REG_ACCOUNT_PURPOSE_CODE
6	RGRLMS13	RG - RL - MAS - Reg Industry Classification	MAP_IND_REG_IND_MAS	DIM_INDUSTRY	V_D_CUST_INDUSTRY	DIM_REG_INDUSTRY	V_REG_INDUSTRY_CODE
7	RGRLMS15	RG - RL - MAS - Reg Account Status Classification	MAP_ACCTST_REG_ACCTST_MAS	DIM_ACCT_STATUS	V_D_ACCOUNT_STATUS	DIM_REG_ACCT_STATUS	V_REG_ACCOUNT_STATUS_CD

8	RGRMS19	RG - RL - MAS - Interest Type Classification	MAP_INTTYP_REG_INTTYP_MAS	DIM_INTEREST_TYPE	V_INTEREST_TYPE	DIM_REG_INTEREST_TYPE	V_REG_INTEREST_TYPE_CD
9	RGRMS20	RG- RL - MAS - Reg Party Details Reclassification	MAP_PARTYP_PARCAT_DET_MAS	DIM_PARTY_TYPE	V_PARTY_TYPE_CODE	DIM_REG_PARTY_CATEGORY	V_REG_PARTY_CATEGORY_CD

Table 9: RBI Mapper Reclassification Rules

Sl. No.	Rule Code	Rule Name	Mapper Name	Source Dim Table	Source Dim Column	Target Dim Table	Target Dim Column
1	RLIN_FRAS_REG_PARTY_TYPE_01	Reg IN FRAS Reg Party Type	MPIN_ACC_PARTY_REG_PARTY	DIM_PARTY	V_PARTY_TYPE	DIM_REG_PARTY_TYPE	V_REG_PARTY_CD
2	RLIN_FRAS_REG_DEPOSIT_TYPE_01	Reg IN FRAS Reg Deposit Type	MPIN_ACC_PROD_REG_DEPOSIT	DIM_PRODUCT	V_PROD_CODE	DIM_REG_DEPOSIT_TYPE	V_REG_DEPOSIT_TYPE_CD
3	RLIN_FRAS_PROD_REG_PROD_TYPE	Reg IN FRAS Reg Prod Type	MPIN_ACC_PROD_REG_PROD	DIM_PRODUCT	V_PROD_CODE	DIM_REG_PRODUCT_TYPE	V_REG_PROD_TYPE_CODE
4	RLIN_FRAS_PARTYTYP_REG_PARTYCAT	RG - IN RL - Party Category Classification	MPIN_PART_TYPE_PART_CAT	DIM_PARTY_TYPE	V_PARTY_TYPE_CODE	DIM_REG_PARTY_CATEGORY	V_REG_PARTY_CATEGORY_CD
5	RLIN_FRAS_PRODTYPE_REG_PROD_CAT	RG - IN RL - Product Category Classification	MPIN_PROD_TYPE_PROD_CAT	DIM_PRODUCT_TYPE	V_ACCT_PROD_TYPE	DIM_REG_PRODUCT_CATEGORY	V_REG_PROD_CATEGORY_CD
6	RLIN_FRAS_REG_LN_PURPOSE	RG- IN RL - Regulatory Loan Purpose	MPIN_LNPUR_REG_LNPUR	DIM_LOAN_PURPOSE	V_LOAN_PURPOSE_CODE	DIM_REG_LOAN_PURPOSE	V_REG_LOAN_PURPOSE_CODE
7	RLIN_FRAS_ACCT_REG_IND	RG- IN RL - Reg Industry Classification	MPIN_IND_REG_IND	DIM_INDUSTRY	V_D_CUST_INDUSTRY	DIM_REG_INDUSTRY	V_REG_INDUSTRY_CODE

8	RLIN_FMIT_STD_MIT_TYPE	RG- IN RL - Mitigant Type Reclassification in Mitigants	MPIN_MIT_TYPE_STD_MIT	DIM_MITIGANT_TYPE	V_MITIGANT_TYPE	DIM_STD_MITIGANT_TYPE	V_STD_MITIGANT_TYPE_CODE
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Table 10: HKMA Mapper Reclassification Rules

Sl. No.	Rule Code	Rule Name	Mapper Name	Source Dim Table	Source Dim Column	Target Dim Table	Target Dim Column
1	RGRLHK01	RG - RL - Party Category Classification - HKMA	MAP_PART_TYP_PART_CAT_HKMA	DIM_PARTY_TYPE	V_PARTY_TYPE_CODE	DIM_REG_PARTY_CATEGORY	V_REG_PARTY_CATEGORY_CD
2	RGRLHK02	RG - RL - Product Category Classification - HKMA	MAP_PROD_TYP_PROD_CAT_HKMA	DIM_PRODUCT_TYPE	V_ACCT_PROD_TYPE	DIM_REG_PRODUCT_CATEGORY	V_REG_PROD_CATEGORY_CD
3	RGRLHK03	RG - RL - Interest Type Classification - HKMA	MAP_INTTYP_REG_INTTYP_HKMA	DIM_INTEREST_TYPE	V_INTEREST_TYPE	DIM_REG_INTEREST_TYPE	V_REG_INTEREST_TYPE_CD
4	RGRLHK11	RG- RL - Regulatory Loan Purpose - HKMA	MAP_LNPUR_REG_LNPUR_HKMA	DIM_LOAN_PURPOSE	V_LOAN_PURPOSE_CODE	DIM_REG_LOAN_PURPOSE	V_REG_LOAN_PURPOSE_CODE
5	RGRLHK13	RG- RL - Mitigant Type Reclassification in Mitigants - HKMA	MAP_MIT_TYP_STD_MIT_HKMA	DIM_MITIGANT_TYPE	V_MITIGANT_TYPE	DIM_STD_MITIGANT_TYPE	V_STD_MITIGANT_TYPE_CODE
6	RGRLHK14	RG- RL - Fixed Assets Reclassification - HKMA	MAP_FXASST_REG_FXASST_HKMA	DIM_FIXED_ASSETS	V_FIXED_ASSET_CD	DIM_REG_FIXED_ASSETS	V_REG_FIXED_ASSET_CD
7	RGRLHK15	RG- RL - Compensation Type Classification - HKMA	MAP_REG_COMPTYP_HKMA	DIM_COMPENSATION_TYPE	V_COMPENSATION_TYPE_CODE	DIM_REG_COMPENSATION_TYPE	V_REG_COMPENSATION_TYPE_CODE

8	RGRLHK16	RG- RL - Account Purpose Classification - HKMA	MAP_ACTPUR_REG_ACTPUR_HKMA	DIM_ACCOUNT_PURPOSE	V_ACCOUNT_PURPOSE_CODE	DIM_REG_ACCOUNT_PURPOSE	V_REG_ACCOUNT_PURPOSE_CODE
9	RGRLHK17	RG- RL - Mitigant Type Reclassification in Placed Collateral - HKMA	MAP_MITTYTYP_STD MIT_FPC_HKMA	DIM_MITIGANT_TYPE	V_MITIGANT_TYPE	DIM_STD_MITIGANT_TYPE	V_STD_MITIGANT_TYPE_CODE
10	RGRLHK18	RG- RL - Property Type Classification - HKMA	MAP_PROPTYTYP_REG_PROPTYTYP_HKMA	DIM_PROPERTY_TYPE	V_PROPERTY_TYPE_CODE	DIM_REG_PROPERTY_TYPE	V_REG_PROPERTY_TYPE
11	RGRLHK19	RG- RL - Reg Industry Classification - HKMA	MAP_IND_REG_IND_HKMA	DIM_INDUSTRY	V_D_CUST_INDUSTRY	DIM_REG_INDUSTRY	V_REG_INDUSTRY_CODE
12	RGRLHK20	RG- RL - Standard Balance Type Classification - HKMA	MAP_STD_BALANCE_TYP_HKMA	DIM_BALANCE_TYPE	V_BALANCE_TYPE	DIM_STD_BALANCE_TYPE	V_STD_BALANCE_TYPE

4.1.3.4 Maintenance of Mappers for Reclassification of Regulatory Dimensions

The mapper can be maintained under OFSAAI.

1. Login to **OFSAA**, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Metadata Management** and then select **Map Maintenance**.

Figure 34: Map Maintenance Page

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

Map Maintenance

Information Domain: FSDFINFAPME Segment: FSDFSEG

Default Security Map: Not Set

Actions: 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
1524044617123	1	Mapper for Write Off Reasons to Standard Write Off Reasons	Yes	Yes	Data Filter	MAP_WRTOFF_STD_WRTOFF_REASON

Page 1 of 1 (1-14 of 14 items) K < > X

- For illustration, we have selected Mapper for GL Code to Repline Code. Click **Mapper Maintenance**.

Figure 35: Mapper Maintenance Page

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

Map Maintenance

Information Domain: FSDFINFAPME Segment: FSDFSEG

Default Security Map: Not Set

Actions: 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
1524044617123	1	Mapper for Write Off Reasons to Standard Write Off Reasons	Yes	Yes	Data Filter	MAP_WRTOFF_STD_WRTOFF_REASON

Page 1 of 1 (1-14 of 14 items) K < > X

Records Per Page: 13

OFS REG REP APME 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 36: Mapper Maintenance Search Result Page

Oracle

Mapper Maintenance > Search

Map - Mapper for GL Code to Repline Code - 1494610765133 - 1

Search [Search] [Reset]

General Ledger Code for Mgmt Reporting: [] Debit Credit Indicator for Mgmt Reporting: []

GL Rollup Signage for Mgmt Reporting: [] Reporting Line Code for Mgmt Reporting: []

Excluded: []

Member combinations(2) [Add] [Remove] [Pushdown] [Copy] Page: 1 / 1

General Ledger Code for Mgmt Reporting	Macro	Debit Credit Indicator for Mgmt Reporting	Macro	GL Rollup Signage for Mgmt Reporting	Macro	Reporting Line Code for Mgmt Reporting	Macro	Excluded
<input type="checkbox"/> OTH - Others	Self & Desc	D - Debit	null	Self & Desc	Self & Desc	-1 - Others	Self	N
<input type="checkbox"/> MSG - Missing	Self & Desc	M - Missing	null	Self & Desc	Self & Desc	0 - Missing	Self	N

Search [Search] [Reset]

General Ledger Code for Mgmt Reporting: [] Debit Credit Indicator for Mgmt Reporting: []

GL Rollup Signage for Mgmt Reporting: [] Reporting Line Code for Mgmt Reporting: []

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ment: FSDPSEG

Member	Map type	Database View name
	Data Filter	MAP_BAL_CAT_STD_BAL_CAT
	Data Filter	MAP_RECVL_TYP_STD_RECVL_TYP
	Data Filter	MAP_CRDUN_PUR_STD_CRDUN_PUR
	Data Filter	MAP_CRDUN_TYP_STD_CRDUN_TYP
	Data Filter	MAP_CREDIT_SCR_MDL_REG_MDL
	Data Filter	MAP_DIM_GL_ACCT_STD_GL_TYPE
	Data Filter	MAP_GL_CODE_REP_LINE
	Data Filter	MAP_DIM_IRC_STD_IRC
	Data Filter	MAP_DIM_LOB_STD_LOB
	Data Filter	MAP_MITG_TYP_STD_MITGN_TYP
	Data Filter	MAP_PARTY_TYP_STD_PARTY_TYP
	Data Filter	MAP_PROD_CODE_STD_PROD_TYPE
	Data Filter	MAP_VENCL_TYP_STD_VENCL_TYP
	Data Filter	MAP_WRTOFF_STD_WRTOFF_REASON

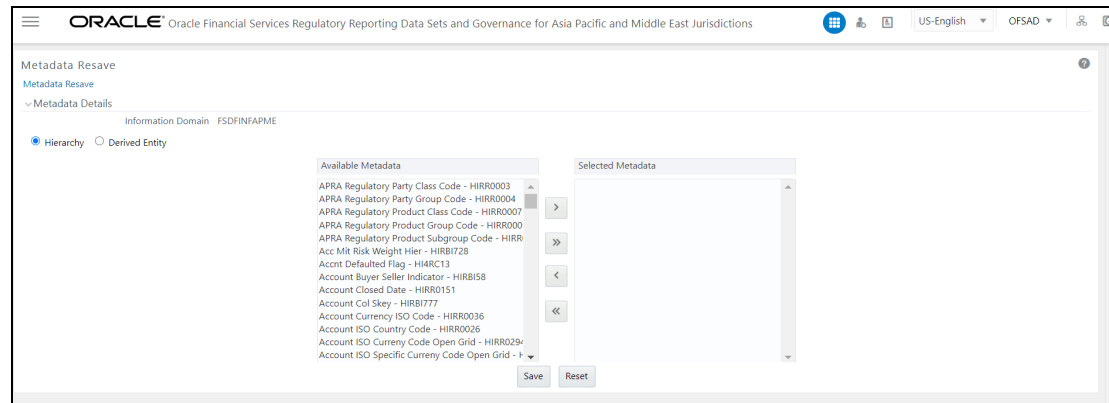
Records Per Page: 13

Prerequisites for Mapper Maintenance

3. Login to **OFSAA**, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Metadata Management** and then select **Map Maintenance**. Load all the required user-specific dimensions using SCD.
4. 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

Figure 37: 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 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 Mappings.

- **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. Login to **OFSAA**, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Metadata Management** and then select **Map Maintenance**.

Figure 38: 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
1511442223938	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
1524044617123	1	Mapper for Write Off Reasons to Standard Write Off Reasons	Yes	Yes	Data Filter	MAP_WRTOFF_STD_WRTOFF_REASON

6. Select an existing Map. For illustration, **Mapper for GL Code to Repline Code** value is selected. Select the **Mapper Maintenance** icon.
7. The **Mapper Maintenance** Window opens (in this illustration, the **Map - Mapper for GL Code to Repline Code** Window opens). To conduct One to One or Many to One mapping, in the Member Combinations section, click **Add**.

Figure 39: Map Maintenance Add Page

Oracle
Mapper Maintenance > Search
Mapper for GL Code to Repline Code - 1494610765133 - 1

Search Search Reset

General Ledger Code for Mgmt Reporting: Debit Credit Indicator for Mgmt Reporting:

GL Rollup Signage for Mgmt Reporting: Reporting Line Code for Mgmt Reporting:

Excluded:

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

General Ledger Code for Mgmt Reporting	Macro	Debit Credit Indicator for Mgmt Reporting	Macro	GL Rollup Signage for Mgmt Reporting	Macro	Reporting Line Code for Mgmt Reporting	Macro	Excluded
<input type="checkbox"/> OTH - Others	Self & Desc	D - Debit	Self & Desc	null	Self & Desc	-1 - Others	Self	N
<input type="checkbox"/> MSG - Missing	Self & Desc	M - Missing	Self & Desc	null	Self & Desc	0 - Missing	Self	N

Search Search Reset

General Ledger Code for Mgmt Reporting: Debit Credit Indicator for Mgmt Reporting:

Database View name

- Filter MAP_BAL_CAT_STD_BAL_CAT
- Filter MAP_RECVR_TYP_STD_RECVR_TYP
- Filter MAP_CRDIN_PUR_STD_CRDIN_PUR
- Filter MAP_CRDIN_TYP_STD_CRDIN_TYP
- Filter MAP_CREDIT_SCR_MDL_REG_MDL
- Filter MAP_DIM_GL_ACCT_STD_GL_TYPE
- Filter MAP_GL_CODE_REP_LINE
- Filter MAP_DIM_IRC_STD_IRC
- Filter MAP_DIM_LOB_STD_LOB
- Filter MAP_MITG_TYP_STD_MITGN_TYP
- Filter MAP_PARTY_TYP_STD_PARTY_TYP
- Filter MAP_PROD_CODE_STD_PROD_TYPE
- Filter MAP_VEHCL_TYP_STD_VEHCL_TYP
- Filter MAP_WRTOFF_STD_WRTOFF_REASON

Records Per Page 13

8. The **Add Mappings** pop-up window opens. In this illustration:

- To map One to One: select one value each in General Ledger Code for Mgmt Reporting data model, Debit Credit Indicator for Mgmt Reporting Data Model, GL Rollup Signage for Mgmt Reporting Data Model, and one value in Reporting Line Code for Mgmt Reporting Data Model, and click Go. Repeat this step for each One to One Data Model Mapping, and then click Save.

In this illustration, **200001MAP1 - 200001MAP1** is mapped to **C – Credit**, **N – Negative Multiplier**, and **1001 - Redeemable Cumulative Preference Shares**.

Figure 40: One to One Mapping Window

Add Mappings

Show Hierarchy | Show Members | Show Results

☐ General Ledger Code for Mgmt Reporting (i)

- ☒ 200001MAP1 - 200001MAP1 (i)
- ☐ 200001MAP2 - 200001MAP2 (i)
- ☐ 200001MAP3 - 200001MAP3 (i)
- ☐ 200002MAP1 - 200002MAP1 (i)
- ☐ 200002MAP2 - 200002MAP2 (i)
- ☐ 200002MAP3 - 200002MAP3 (i)
- ☐ 200003MAP1 - 200003MAP1 (i)
- ☐ 200003MAP2 - 200003MAP2 (i)
- ☐ 200003MAP3 - 200003MAP3 (i)
- ☐ 200004MAP1 - 200004MAP1 (i)
- More

Show Hierarchy | Show Members | Show Results

☐ Debit Credit Indicator for Mgmt Reporting (i)

- ☒ C - Credit (i)
- ☐ D - Debit (i)
- ☐ M - Missing (i)

Show Hierarchy | Show Members | Show Results

☐ GL Rollup Signage for Mgmt Reporting (i)

- ☒ N - Negative Multiplier (i)
- ☐ P - Positive Multiplier (i)

Show Hierarchy | Show Members | Show Results

☐ Reporting Line Code for Mgmt Reporting (i)

- ☐ -1 - Others (i)
- ☐ 0 - Missing (i)
- ☐ 1 - Total Assets (i)
- ☐ 10 - Equities - Listed (i)
- ☐ 100 - Corporate (i)
- ☐ 1000 - Ind: Tier 2 Debt Capital Instruments issued by the banks in Foreign rupees (ex
- ☒ 1001 - Redeemable Cumulative Preference Shares (i)
- ☐ 1002 - Redeemable Non Cumulative Preference Shares (i)
- ☐ 1003 - Share Premium related to T2 Instruments (i)
- ☐ 1004 - Minority Interest - Capital attributable to Third Party included in Tier 2 C
- More

Go Reset

▼ List(1) Remove Page 1 / 1

<input type="checkbox"/>	General Ledger Code for Mgmt Reporting	Macro	Debit Credit Indicator for Mgmt Reporting	Macro	GL Rollup Signage for Mgmt Reporting	Macro	Reporting Line Code for Mgmt Reporting	Macro	Excluded
<input type="checkbox"/>	200001MAP1 - 200001MAP1	Self & Desc ▼	C - Credit	Self & Desc ▼	N - Negative Multiplier	Self & Desc ▼	1001 - Redeemable Cumulative Preference Shares	Self & Desc ▼	No ▼

Save Close

- To map Many to One: select more than one value each in General Ledger Code for Mgmt Reporting Data Model, one or more value in Debit Credit Indicator for Mgmt Reporting Data Model, GL Rollup Signage for Mgmt Reporting Data Model, Reporting Line Code for Mgmt Reporting Data Model, and click Go. Repeat this step for each Many to One Data Model Mapping, and then click Save.
- In this illustration:

- **200001MAP1 - 200001MAP1** is mapped to C – Credit and D – Debit, N – Negative Multiplier and P – Positive Multiplier, 1 – Total Assets, and 1001 - Redeemable Cumulative Preference Shares and 1002 - Redeemable Non-Cumulative Preference Shares.
- **200001MAP2 - 200001MAP2** is mapped to C – Credit and D – Debit, N – Negative Multiplier and P – Positive Multiplier, 1 – Total Assets, and 1001 - Redeemable Cumulative Preference Shares and 1002 - Redeemable Non-Cumulative Preference Shares.

Figure 41: One to Many Mapping window

Add Mappings

Show Hierarchy | Show Members | Show Results

General Ledger Code for Mgmt Reporting

- ☒ 200001MAP1 - 200001MAP1
- ☒ 200001MAP2 - 200001MAP2
- ☐ 200001MAP3 - 200001MAP3
- ☐ 200002MAP1 - 200002MAP1
- ☐ 200002MAP2 - 200002MAP2
- ☐ 200002MAP3 - 200002MAP3
- ☐ 200003MAP1 - 200003MAP1
- ☐ 200003MAP2 - 200003MAP2
- ☐ 200003MAP3 - 200003MAP3
- ☐ 200004MAP1 - 200004MAP1
- More

Show Hierarchy | Show Members | Show Results

Debit Credit Indicator for Mgmt Reporting

- ☒ C - Credit
- ☒ D - Debit
- ☐ M - Missing

Show Hierarchy | Show Members | Show Results

GL Rollup Signage for Mgmt Reporting

- ☒ N - Negative Multiplier
- ☒ P - Positive Multiplier

Show Hierarchy | Show Members | Show Results

Reporting Line Code for Mgmt Reporting

- ☐ -1 - Others
- ☐ 0 - Missing
- ☒ 1 - Total Assets
- ☐ 10 - Equities - Listed
- ☐ 100 - Corporate
- ☐ 1000 - Ind: Tier 2 Debt Capital Instruments issued by the banks in Foreign rupees (ex
- ☒ 1001 - Redeemable Cumulative Preference Shares
- ☒ 1002 - Redeemable Non Cumulative Preference Shares
- ☐ 1003 - Share Premium related to T2 Instruments
- ☐ 1004 - Minority Interest - Capital attributable to Third Party included in Tier 2 C
- More

Go Reset

▼ List(5) Remove Page 1 / 5

<input type="checkbox"/>	General Ledger Code for Mgmt Reporting	Macro	Debit Credit Indicator for Mgmt Reporting	Macro	GL Rollup Signage for Mgmt Reporting	Macro	Reporting Line Code for Mgmt Reporting	Macro	Excluded
<input type="checkbox"/>	200001MAP1 - 200001MAP1	Self & Desc	C - Credit	Self & Desc	N - Negative Multiplier	Self & Desc	1001 - Redeemable Cumulative Preference Shares	Self & Desc	No
<input type="checkbox"/>	200001MAP2 - 200001MAP2	Self & Desc	C - Credit	Self & Desc	N - Negative Multiplier	Self & Desc	1 - Total Assets	Self & Desc	No
<input type="checkbox"/>	200001MAP2 - 200001MAP2	Self & Desc	D - Debit	Self & Desc	P - Positive Multiplier	Self & Desc	1002 - Redeemable Non Cumulative Preference Shares	Self & Desc	No
<input type="checkbox"/>	200001MAP2 - 200001MAP2	Self & Desc	C - Credit	Self & Desc	P - Positive Multiplier	Self & Desc	1001 - Redeemable Cumulative Preference Shares	Self & Desc	No
<input type="checkbox"/>	200001MAP1 - 200001MAP1	Self & Desc	C - Credit	Self & Desc	P - Positive Multiplier	Self & Desc	1002 - Redeemable Non Cumulative Preference Shares	Self & Desc	No

Save Close

9. 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.

4.1.3.5 Loading Mapper Maintenance through Backend

Load each Physical table in Atomic Schema with V_MAP_ID as mentioned against each mapper,

V_MEMBER_1 => Customer Specific Value Dimension's Member Code, V_MEMBER_2 => Standard Dimension's Member Code.

This following Mapper Physical Table is required details:

Table 11: Mapper Physical Table

PHYSICAL TABLE	V_MAP_ID
MAP_GL_CODE_REP_LINE	1494610765133

Mapping Table to Address FSDF Bugs for 8121 Release

This table provides information to address the FSDF Issues addressed in this release.

For more information, see the *Known Issues* Section in the [OFS REG REP APME 8121 Release Notes](#)

Table 12: Mapper Details to Address FSDF Issues

Source Details													Target Details		
Entity Name	Field/Expression Name	Data Type	Field Format	Is Null Allowed	SQL Expression	Destination Entity Name	Destination Field Name	SQL Function	Null If	Default If	Data Type	Entity Name	Field/Expression Name	Data Type	Field Format
STG_CASA	F_SECURED_IND	String		Y		FCT_COMMON_ACCOUNT_SUMMARY	F_SECURED_FLAG				Char(1)	STG_CASA	F_SECURED_IND	String	
STG_SWAPS_CONTRACTS	N_MTM_VALUE	Number		Y		FCT_COMMON_ACCOUNT_SUMMARY	N_MTM_VALUE				NUMBER(22,3)	STG_SWAPS_CONTRACTS	N_MTM_VALUE	Number	

STG_BORRO WINGS	N_INT_C OST	Nu mb er		Y		FCT_COMMON_ACCO UNT_SUMMARY	N_INT_EX PENSE				NUMBE R(22,3)	STG_BORRO WINGS	N_INT_C OST	Nu mb er	

4.1.3.6 Usage of Mapper Tables in Data Flow and Reports

The mapper maintenance output is always physically stored in underlying tables. These tables are registered in OFSAA as an object. Therefore, these tables can be used, without any restrictions, in any of the metadata that requires reclassification. OFS REG REP APME Data Flows (T2Ts and Rules) make use of this information to populate the Standard Dimension Surrogate Keys of Results area tables.

4.1.4 Configuring Setup Tables for Standard Set of Values

The following are the setup configurations that are required to be done before executing the APME Regulatory Reporting Run.

Topics:

4.1.4.1 SETUP_MASTER Table

The SETUP_MASTER table in an atomic schema must be modified with the required values for APME.

Table 13: Setup Master

V_COMPONENT_CODE	V_COMPONENT_DESC	V_COMPONENT_VALUE	Description
DEFAULT_FINANCIAL_ELEMENT	Default Financial Element	DEFAULT	Component Value to be updated must be from DIM_FINANCIAL_ELEMENT.
DEFAULT_FX_RATE_SOURCE	Default FX Rate Source	DEFAULT	Component Value to be updated according to the values used in STG_FORWARD_EXCHG_RATES.V_RATE_DATA_SOURCE_CD. This is used for Calculating the Reporting Currency.
DEFAULT_GAAP	DEFAULT_GAAP	Same as mentioned in the description	AUGAAP for APRA, SGGAAP for MAS and INGAAP for RBI.
HKMA_P_REPORT_FIRST_OPENING_BALANCE	HKMA P Report - Changes in provision for bad and doubtful debts - Previous Balance	Refer to description	Component value to be updated for changes in provision for bad and doubtful debts - Previous Balance as required in report P and cell Id: PP3C11D
HKMA_YEAR_DAY	Number of days in a year	365	Component value to be updated with the number of days in a year.

4.1.5 Run or Execution Expectations

Run refers to execution. It is assumed that at different periods, different combinations of parameters, and different data require different executions. From a reporting perspective, as required by regulators, RRDF application requires data 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

4.1.6 Projection Data

The following points provide information on the projection data:

1. Baseline run also populates projected date data.
2. This application requires projected data at two levels - Quarterly and Annual.
3. The **DIM_CONSOLIDATION** table is used to identify the projections. It contains the codes for projected quarters and years as required by the templates.
4. In the Fact tables, projection data is referred to with the respective Consolidation codes (scenario code for **FCT_MGMT_REPORTING**). BHC must populate the data accordingly.
5. In the following example, FQ1 means Financial Quarter 1, FY1 means Financial Year 1 and so on.

Table 14: Projection Data Example 1

Consolidation Code	Consolidation Description	Reporting Line	Scenario	EOP Balance
100	Actual	100	BSL	426,367
400	FQ1	100	BSL	608,618
401	FQ2	100	BSL	870,502
402	FQ3	100	BSL	567,736
403	FQ4	100	BSL	846,196
404	FQ5	100	BSL	775,027
410	FY1	100	BSL	470,092
411	FY2	100	BSL	473,880
412	FY3	100	BSL	942,034
413	FY4	100	BSL	497,889
414	FY5	100	BSL	807,813

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 need not provide this difference as a download. Movement Data for actual is identified through different runs and 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), REG REP sums up data points across all 90 days to arrive at a quarter-end movement figure.

Table 15: Projection Data Example 2

Code	Projected Period	Reporting Line	Scenario	Run ID	Date	Projected Amount	Movement
100	Actual	100	BSL	RUNID001	10-Oct-13	300,000	900,000
100	Actual	100	BSL	RUNID002	15-Nov-13	100,000	
100	Actual	100	BSL	RUNID003	20-Nov-13	300,000	
100	Actual	100	BSL	RUNID004	30-Dec-13	200,000	
400	FQ1	100	BSL	--	--	--	608,618
401	FQ2	100	BSL	--	--	--	870,503
402	FQ3	100	BSL	--	--	--	567,736
410	FY1	100	BSL	--	--	--	470,093
411	FY2	100	BSL	--	--	--	473,881
412	FY3	100	BSL	--	--	--	942,035

However, when the projection of net sales for quarter 2 next year is to be performed, no derivation is required. Projections data for the said quarter can be directly downloaded in the respective Fact table(s) for reporting.

4.1.7 Data Flow from Source Systems to Staging Area

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

4.1.8 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](#)

4.1.8.1 Pass-Through Data

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

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

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

4.1.8.2 Reclassified to Regulatory Classifications

After transformation, the regulatory data is reclassified as follows:

Table 16: Data Reclassification Example

Source	Target
DIM PARTY TYPE	DIM REG PARTY CATEGORY
High Net Worth Individual	Individual
Individual	Individual
Retail	Individual
Household	Household

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

- Party Category Classification
- Product Category Classification
- Interest Type Classification
- Intra Group Indicator
- Regulatory Loan Purpose

The additional transformations that are performed are:

- Original Maturity Band
- Residual Maturity Band
- Delinquency Band

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

4.1.9 Data Flow from Staging to Processing Area

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

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

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

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

NOTE

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

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

4.1.10 Data Flow from Processing to Results Area

This step is similar to [Data Flow from Staging to Results Area](#). It involves either pass through data from processing to results or loading directly to results (see [Section 5.1.11](#)). This is mostly due to processing measures such as Fair Value, Risk-Weighted Assets, and so on.

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

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

For example, FACT FTP Account Summary and FACT REG FTP Account Summary which stores account level measures computed by FTP application.

FACT FTP Account Summary table needs to be populated manually if OFS FTP application is not available.

APRA/MAS/HKMA/RBI provides a PMF Run that can be executed to populate FACT REG FTP Account Summary from FACT FTP Account Summary.

For more information, see *APRA/MAS/HKMA/RBI RUN CHART*.

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

- Data Integration Hub (DIH) Connectors
- Data Mapping (T2T) option in Application Infrastructure
- Data File Mapping (F2T) option in Application Infrastructure

Topics:

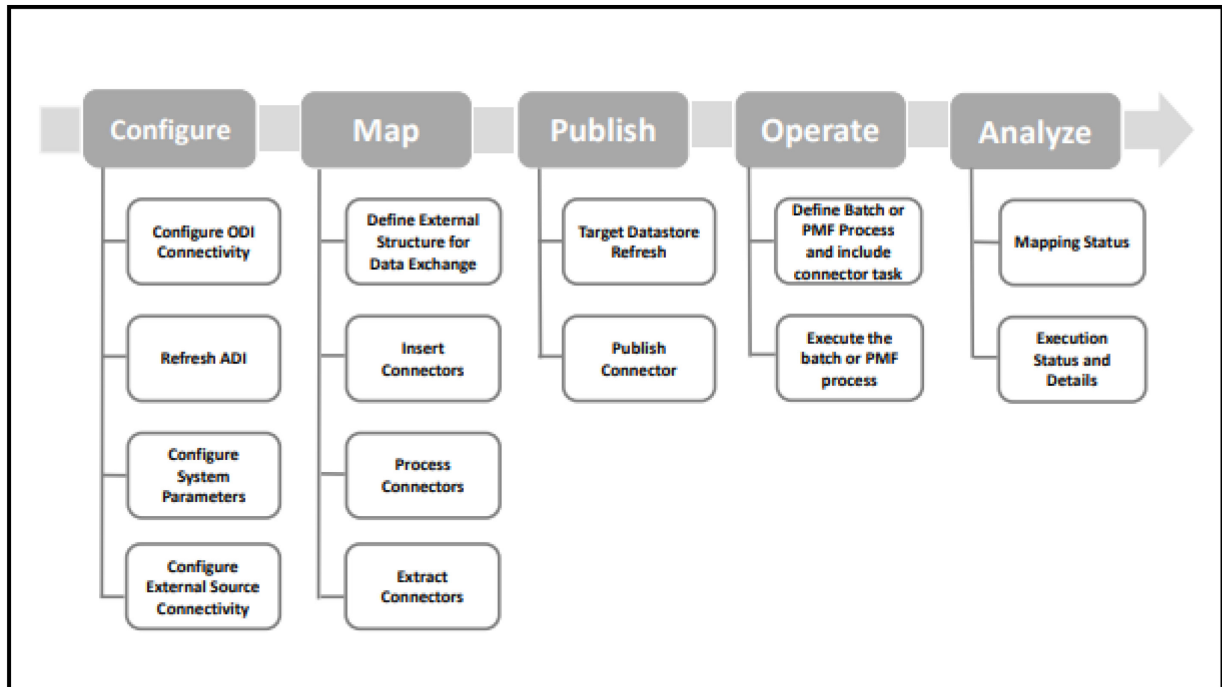
- [DIH Connectors](#)
- [Data Mapping \(T2T\)](#)
- [Data File Mapping \(Flat File to RDBMS Target - F2T\)](#)

4.1.11.1 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 42: DIH Connectors



4.1.11.2 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 *Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack User Guide* for more details on configuring a T2T.

4.1.11.3 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 *Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack User Guide* on [OHC](#) for more details on configuring an F2T.

4.1.12 FSDF Entity Information

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

4.1.12.1 Dimension Tables or Entities

Table 17: Dimension Tables or Entities

Sl. No.	List of Dimension Tables	Table/Entity Logical Names	Table/Entity Descriptions	Table/Entity Type
1	DIM_ACCOUNT_PURPOSE	Account Purpose Dimension	This table stores the purpose for which the bank has initiated the account.	SCD
2	DIM_BANDS	Bands Dimension	This table stores the list of band dimensions. Information on the table name, columns containing the band codes, upper and lower bound values are stored in the setup table and a generic code is executed to populate the band codes in the respective fact tables.	Seeded
3	DIM_BOOLEAN_FLAGS	Boolean Flag Dimension	This table stores the list of the Boolean Flags.	Seeded
4	DIM_CONSOLIDATION	Consolidation Dimension	This entity stores the details of various values to be analyzed like actual or budget.	Seeded
5	DIM_COUNTRY	Country Dimension	This table stores the master list of countries.	Seeded
6	DIM_CREDIT_PARTCPTION_TYPE	Credit Participation Contract Type Dimension	This table stores the type of the contract identifiers for the main participation or syndication contract.	Seeded
7	DIM_CURRENCY	Currency Dimension	The table stores the currency information. ISO currency codes is a standard published by the International Organization for Standardization 4217, which delineates currency designators and country codes (alpha and numeric).	Seeded
8	DIM_CUSTOMER	Customer Dimension	This entity stores the list of the organization's customers and counterparties and their attributes.	SCD
9	DIM_DATES	Date Dimension	This table stores the list of dates generated between any two dates typically covering extraction dates and cash flow dates.	Seeded

10	DIM_INDICATOR_VALUES	Indicator Values Dimension	This table stores the indicator values used in various columns for identifying the Boolean or indicator values. This is a seeded dimension table from OFSAA products.	Seeded
11	DIM_INSTRUMENT_CONTRACT	Instruments Contracts Dimension	This entity stores the contracts and instruments in the Market and their details like Effective Date, Maturity Date, Face Value, Day Convention, Strike, and so on.	Seeded
12	DIM_INTEREST_TYPE	Interest Type Dimension	This table stores the interest type.	Seeded
13	DIM_LOCATION	Location Dimension	This table stores the location dimension.	SCD
14	DIM_ORG_STRUCTURE	Organization Structure Dimension	This entity stores the Organization Structure of the Financial Institution.	SCD
15	DIM_PARTY	Party Dimension	This table stores the history of the party. Party here can be customer, issuer, guarantor, and so on.	SCD
16	DIM_PARTY_TYPE	Party Type Dimension	This table stores the party type. Party here could be Individual, Banks, Corporate - Small, Corporate - Medium, State Government, Sovereign, and so on.	SCD
17	DIM_PRODUCT	Product Dimension	This table stores the details of all the products (existing/stopped) offered by the Financial Institution.	SCD
18	DIM_PRODUCT_TYPE	Product Type Dimension	This table stores the loan product type information.	SCD
19	DIM_REG_INTEREST_TYPE	Regulatory Interest Type Dimension	This table stores the list of indices that are designed to store the regulatory based interest type code as designated by the regulator for an account at the account level or group of accounts at a credit line level. For example FIXED, FLOATING, MIXED, and so on.	Seeded
20	DIM_REG_LOAN_PURPOSE	Regulatory Loan Purpose Dimension	This table stores the description for the regulatory loan purpose/utilization of the loan amount. Values expected are:	Seeded

			1 = Purchase 4 = Rate / Term Refinance 5 = Cash-Out Refinance 6 = Other Refinance 7 = Home Improvement 8 = Debt Consolidation 9 = Education A = Medical Y = Other U = Unknown"	
21	DIM_REG_PARTY_CATEGORY	Regulatory Party Category Dimension	This entity stores the reclassified regulatory party categories.	Seeded
22	DIM_REG_PRODUCT_CATEGORY	Regulatory Product Category Dimension	This entity stores the reclassified regulatory product categories.	Seeded
23	DIM_REG_REPORT_CELL	Regulatory Reporting Cell Dimension	This table stores the cell IDs / MDRM codes as provided by the AgileREPORTER Templates.	Seeded
24	DIM_REP_LINE	Reporting Line Dimension	This table stores the list of all computed reporting line items.	Seeded
25	DIM_RUN	Run Dimension	The entity stores the baseline and Simulation Runs.	
26	DIM_STD_MITIGANT_TYPE	Standard Mitigant Type Dimension	This entity stores the standard Mitigant Type.	SCD

4.1.13 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 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

Table 18: Fact Tables/Entities

Sl. No.	List of Fact Tables	Table/Entity Logical Names	Table/Entity Descriptions	Table/Entity Type
---------	---------------------	----------------------------	---------------------------	-------------------

1	FCT_ACCOUNT_MITIGANT_MAP	Fact Account Mitigant Map	This entity stores the account to Mitigant Mapping. It supports more than one mitigant to be mapped to an account.	FACT
2	FCT_ACCT_PLACED_COLL_MAP	Fact Account Placed Collateral Map	This table stores the account to placed collateral mapping. It is an intersection table to denote that a placed collateral can be used in multiple accounts and an account contains multiple collaterals.	FACT
3	FCT_COMMON_ACCOUNT_SUMMARY	Fact Common Account Summary	This table stores the common account level information that usually comes as an input through Staging.	FACT
4	FCT_IFRS_ACCOUNT_SUMMARY	Fact IFRS Account Summary	This table stores the measures related to an account that are computed by IFRS Application.	FACT
5	FCT_MGMT_REPORTING	Fact Management Reporting	This table stores the management reporting data related to organization and product profitability/income statement/balance sheet.	FACT
6	FCT_MITIGANTS	Fact Mitigants	This entity stores the Mitigants and their details.	FACT
7	FCT_PLACED_COLLATERAL	Fact Placed Collateral	This table stores the details of collateral that are placed against an account.	FACT
8	FCT_REG_ACCOUNT_SUMMARY	Regulatory Account Summary	This table stores the regulatory reclassifications and other information as required for Regulatory Reporting.	FACT
9	FCT_REG_REPORT_ADJUSTMENTS	Fact Regulatory Report Adjustments	This Table Stores the adjusted amount against a particular cell ID / MDRM code for a Regulatory Report.	FACT
10	FCT_REG_RUN_LEGAL_ENTITY_MAP	Fact Regulatory Legal Entity Run Map	This table stores a reporting entity identifier for every Regulatory Reporting Run.	FACT
11	FCT_REG_CAP_ACCOUNT_SUMMARY	Fact Regulatory Capital account Summary	This Table Stores the processed data for Capital Adequacy Reporting.	FACT

12	FCT_MARKET_RISK_REPORTING	Fact Market Risk Capital	This table stores the capital available for market risk	FACT
13	FCT_REG_LE_CAPITAL_SUMMARY	Fact Regulatory Legal Entity Capital Summary	This table stores the Regulatory Capital related information for the legal entity. This table stores all information from the GL related to the capital structure processing as well as the various levels of capital computations processed and computed by the application.	FACT
14	FCT_REG_CAP_PLCD_COLL_SUMMARY	Fact Regulatory Capital Placed Collateral Summary	This table stores the information of all exposures to a bank which are placed collateral. The placed collateral are collateral placed by the bank for either default fund contribution or for other OTC Transactions, with a central counterparty. It is generally used for Cleared transactions and Default Fund contributions	FACT
15	FCT_MR_CAPITAL_SUMMARY	Fact Market Risk Capital Summary	This table stores the information of the Market Risk Capital Calculations at a Portfolio Level.	FACT
16	FCT_REG_CP_CAPITAL_SUMMARY	Fact Market Risk Capital Summary	This table stores the information of the market risk capital calculations at a Portfolio Level.	FACT
17	FCT_REG_MARKET_RISK_EXPOSURES	Fact Regulatory Market Risk Exposures	This table stores Basel Processing output for Market Risk Exposures for Regulatory Reporting	FACT

4.1.14 Inclusion of GL Recon Reconciled Accounts in Reporting

By default, the Regulatory Reporting expects Reconciliation Data in the staging area for all the reports. For OFS Data Management (OFSDM) Pack (OFS General Ledger Reconciliation Application (GL Recon)) installed in the same Infodomain as Regulatory Reporting is installed, the results area tables will have accounts with account numbers (having prefixes defined in REVELEUS_PARAMETER_MASTER.V_PARAM_VALUE column for the REVELEUS_PARAMETER_MASTER.V_PARAM_CODE = 'ADJUSTMENT_EXP_PREFIX' used in GL Recon application).

Report-specific treatment for such accounts is handled in Regulatory Reporting Application for cases like a number of accounts that must be reported.

For example: ARF7200A – Section A and Section B.

4.2 Overview of OFS REG REP APME 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 APME UI](#)
- [Viewing Report Summary](#)
- [Viewing Schedule Summary](#)
- [Viewing Data Elements](#)
- [Viewing Data Elements Summary](#)
- [Viewing Cell Summary](#)
- [Viewing the Pre and Post Adjusted Data](#)
- [Creating an Action](#)

4.2.1 Logging in to OFS REG REP APME UI

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

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

Figure 43: OFSAAI Log In

ORACLE Financial Services Analytical Applications [About](#)

Language: US-English

User ID:

Password:

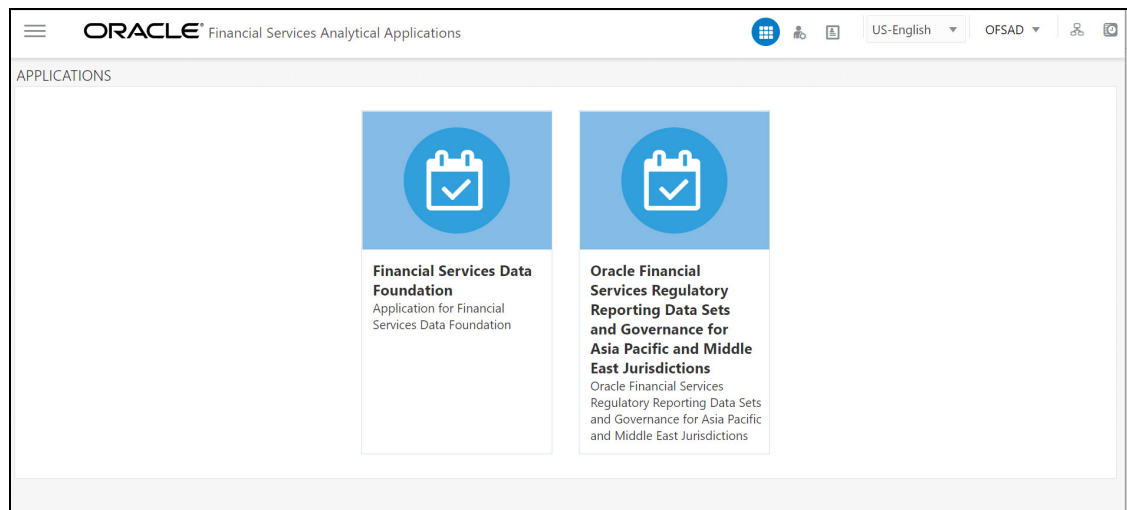
Login

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.

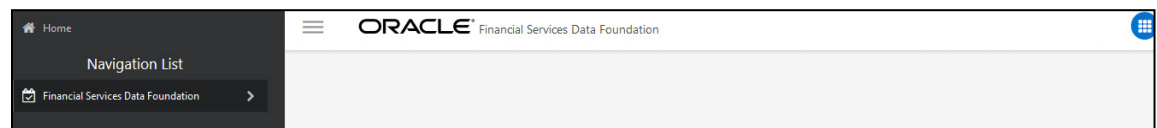
3. Enter your **User ID** and **Password**. When you log into OFSAAI, the **OFSA Applications** Page is displayed.

Figure 44: OFSAA Applications Screen



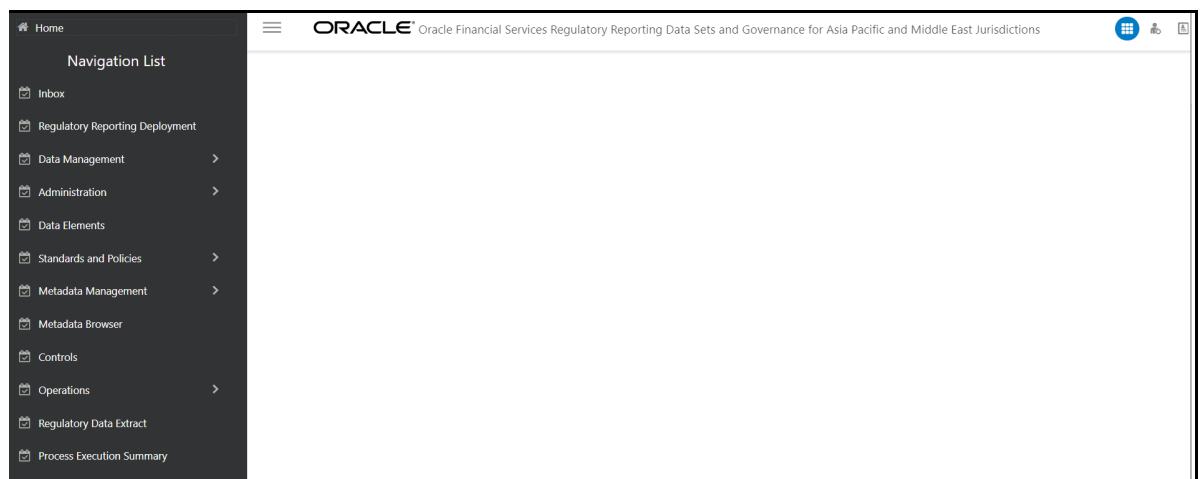
4. Select the **Financial Services Data Foundation**. The FSDF Landing Page is displayed.

Figure 45: Financial Services Data Foundation Landing Page



Or select the **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**. The Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions Landing Page is displayed.

Figure 46: Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions Page





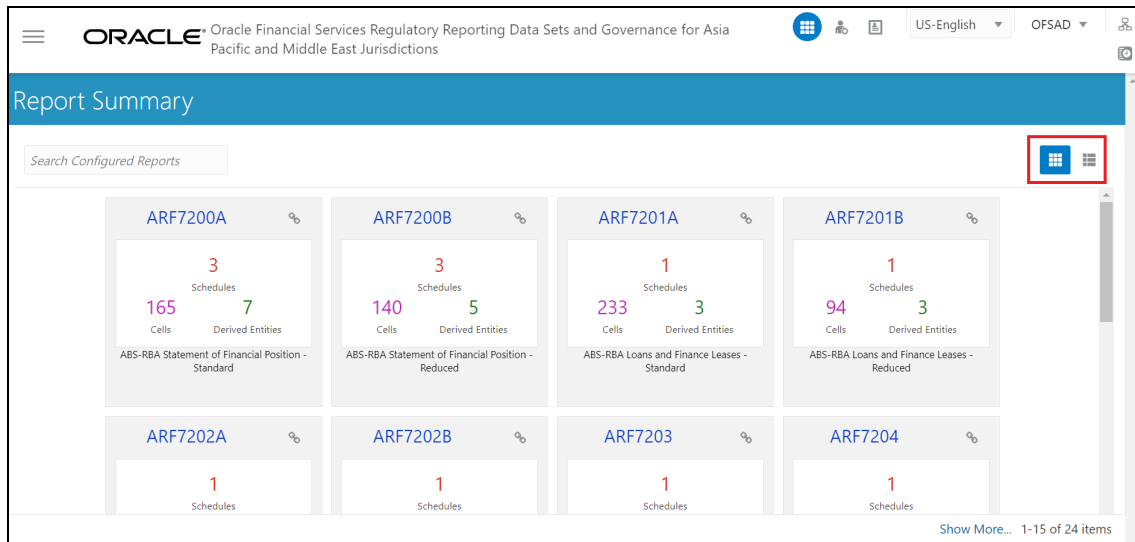
5. Select the Navigation Menu in the OFS REG REP APME UI to access the following windows:
- a. Home
 - b. Inbox
 - c. Regulatory Reporting Deployment
 - d. Administration
 - i. Key Indicator Assessment Configuration
 - ii. Control Assessment Parameters
 - e. Data Elements
 - f. Standards and Policies
 - i. Business Terms
 - ii. Critical Data Elements
 - g. Metadata Management
 - i. Dataset
 - ii. Map Maintenance
 - iii. Build Hierarchy
 - iv. Measure
 - v. Business Processor
 - vi. Derived Entity
 - vii. Save Metadata
 - viii. Reports
 - h. Metadata Browser
 - i. Controls
 - j. Operations
 - i. Process Modeller
 - ii. Process Monitor
 - iii. Batch Execution
 - iv. Batch Monitor
 - k. Process Execution Summary

4.2.2 Viewing Report Summary

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

After logging into the OFS REG REP APME UI, navigate to **Metadata Management** and select **Reports** to view **Reports Summary** Window.

Figure 47: Report Summary Screen



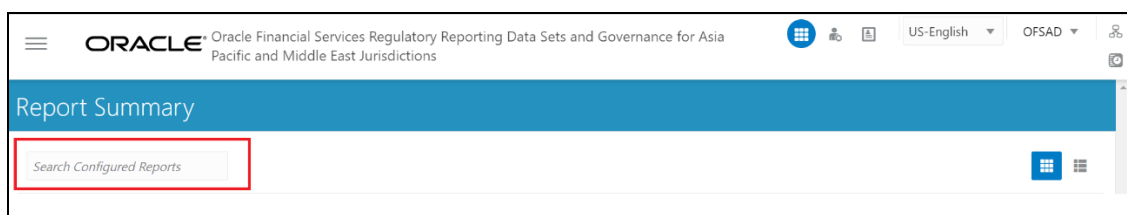
NOTE

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

Tile view  or List view .

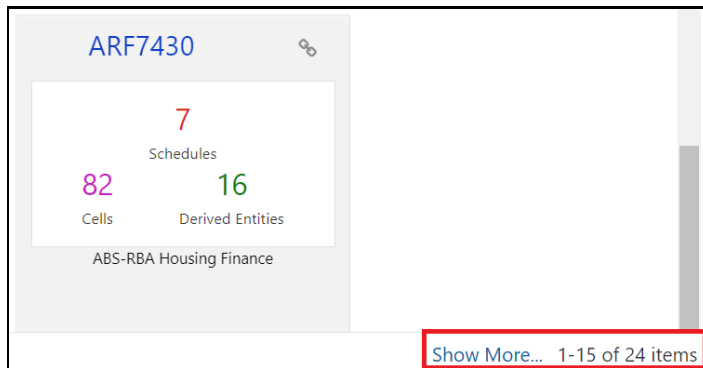
The Search Bar helps you to find the required information from the database. You can enter the nearest matching keywords to search and filter the results by entering information on the search box. You can search for a Report using either the Name or Description.

Figure 48: Report Summary Search Bar



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

Figure 49: Report Summary Paging Option



4.2.2.1 Report Information

Each tile or list on the Report Summary Window corresponds to one report. For each report, you can view the Report Code, Report Description, Number of Schedules within the report, the Number of Configured Non-Derived Cells, and count of Utilized Derived Entities.

For example, the CRSA Report in the tile or list view is displayed as follows:

Figure 50: Report in Tile View

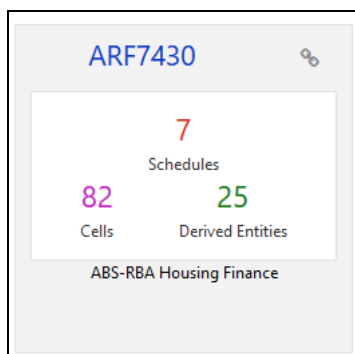
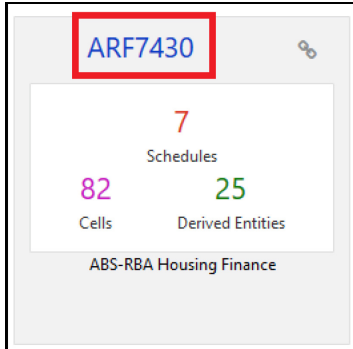


Figure 51: Report in List View

Report Summary						
Search Configured Reports						
ARF7200A	165	7	3	Schedules	Data Elements	
ABS-RBA Statement of Financial Position - Standard	Cells	Entities				
ARF7200B	140	5	3	Schedules	Data Elements	
ABS-RBA Statement of Financial Position - Reduced	Cells	Entities				
ARF7201A	233	3	1	Schedules	Data Elements	
ABS-RBA Loans and Finance Leases - Standard	Cells	Entities				
ARF7201B	94	3	1	Schedules	Data Elements	
ABS-RBA Loans and Finance Leases - Reduced	Cells	Entities				
ARF7202A	168	2	1			
Show More... 1-15 of 24 items						

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

Figure 52: Report Information

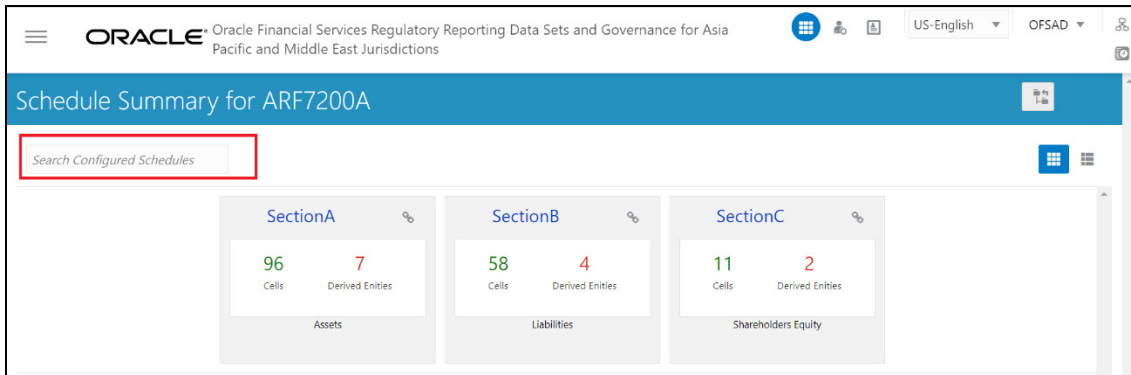


4.2.3 Viewing Schedule Summary

The Schedule Summary Window provides the component schedules for the Corresponding Report. Select the Report Code in the Report Summary Window to navigate to the Schedule Summary Window (as shown in Figure 66).



For example, the Schedule Summary Window for the ARF7200A Report is displayed as follows.

Figure 53: 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 (**Error! Reference source not found.** at the bottom right corner allows you to see more reports than the ones currently displayed on the window.

NOTE

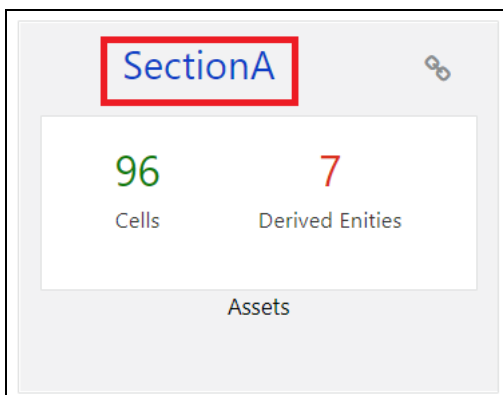
Select the  icon on the top right corner to return to the Report Summary Window.

4.2.3.1 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 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.

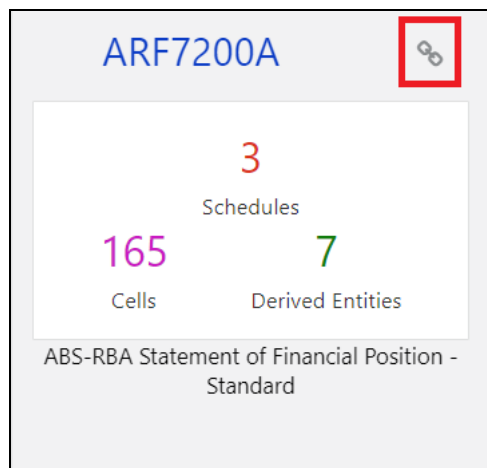
Figure 54: Schedule Information



4.2.4 Viewing Data Elements

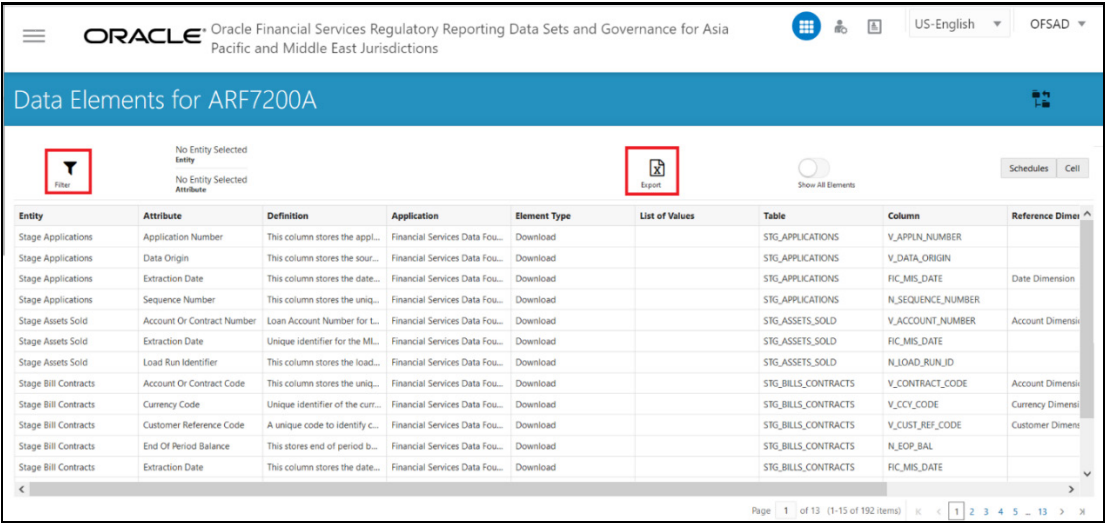
Each tile or list on the Report Summary Window corresponds to one report. For each report, you can view the Report Code, Report Description, Number of Schedules within the report, the Number of Configured Non-Derived Cells, and count of Utilized Derived Entities.

Figure 55: Report Information



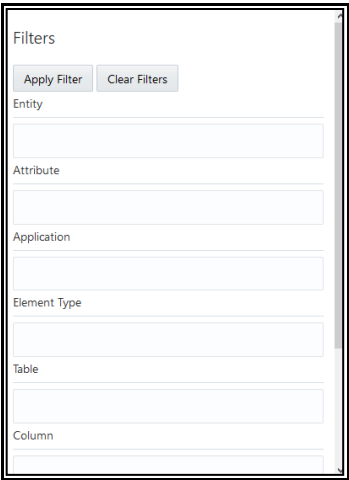
1. Click the chain icon on the right top corner to display the Data Elements for the respective item. The Data Elements view option is available at the Report Schedule and Cell Level.

Figure 56: Data Elements Screen



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

Figure 57: Filters



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

4.2.5 Viewing Data Elements Summary

The following are the steps to perform to view the Data Elements Summary.

1. After logging into OFS REG REP APME UI, from the main navigation menu select **Data Elements** to view all the Data Elements.

Figure 58: Data Elements Summary

The screenshot shows the 'Data Elements Summary' page. On the left is a navigation menu with items like Home, Inbox, Regulatory Reporting Deployment, Data Elements (selected), Administration, Metadata Management, Standards and Policies, Metadata Browser, Controls, Process, and Process Execution Summary. The main header area includes the Oracle logo and the text 'Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions'. Below this is a blue bar with the title 'Data Elements Summary'. Underneath the title are three sections: 'Filter' (with a funnel icon), 'Export' (with a document icon), and 'Show All Elements' (with a toggle switch). Below these are two status indicators: 'No Entity Selected Entity' and 'No Entity Selected Attribute'. The main table has the following data:

Entity	Attribute	Definition	Application	Element Type
Fact Regulatory Party Details	Regulatory Enterprise Classif...	This column stores the Surro...	Financial Services Data Foun...	Data Flow
Regulatory Account Summary	Intragroup Customer Indicat...	This column stores indicator...	Regulatory Reporting Solution	Data Flow
Regulatory Account Summary	Regulatory Industry Surroga...	This column stores Regulato...	Regulatory Reporting Solution	Data Flow
Regulatory Account Summary	Regulatory Lease Purpose S...	This column stores the uniq...	Regulatory Reporting Solution	Data Flow
Regulatory Account Summary	Regulatory Loan Purpose Su...	This column stores the surro...	Regulatory Reporting Solution	Data Flow

At the bottom right of the table area, it says 'Page 1 of 1'.

By default, the page displays all the Data Elements.

Figure 59: Selection Panel

The screenshot shows a selection panel with two status indicators: 'No Entity Selected Entity' and 'No Entity Selected Attribute'.

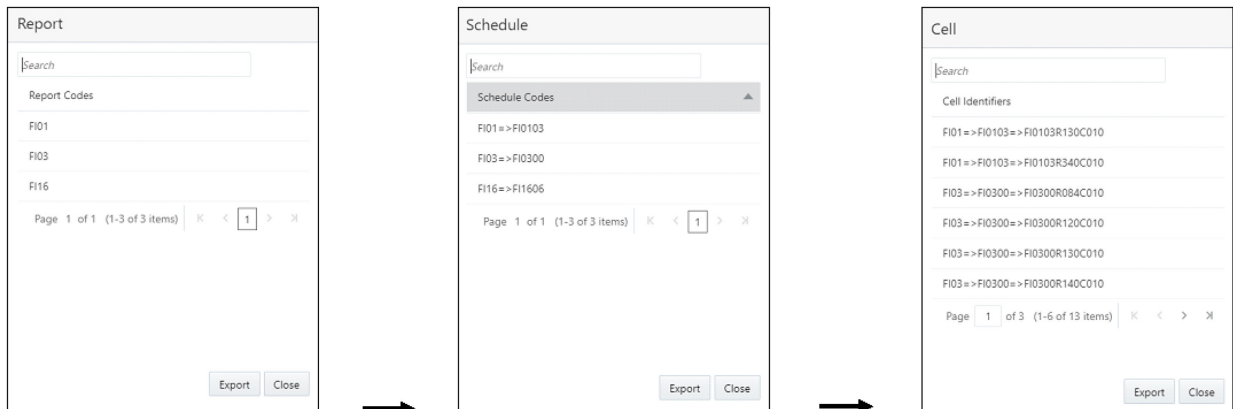
2. Click a row and the Selection Panel displays the selected entity and attribute.

Figure 60: Selected Entity

The screenshot shows the 'Selected Entity' panel. It has the same controls as Figure 58. On the right side, there are three tabs: 'Reports', 'Schedule', and 'Cell'. The 'Reports' tab is currently selected and highlighted with a red box.

The tabs on the right can be used to view reports, schedules, and cells as shown in Figure 60, which are utilized for the Selected Data Element.

Figure 61: Report or Schedule or Cell View



NOTE

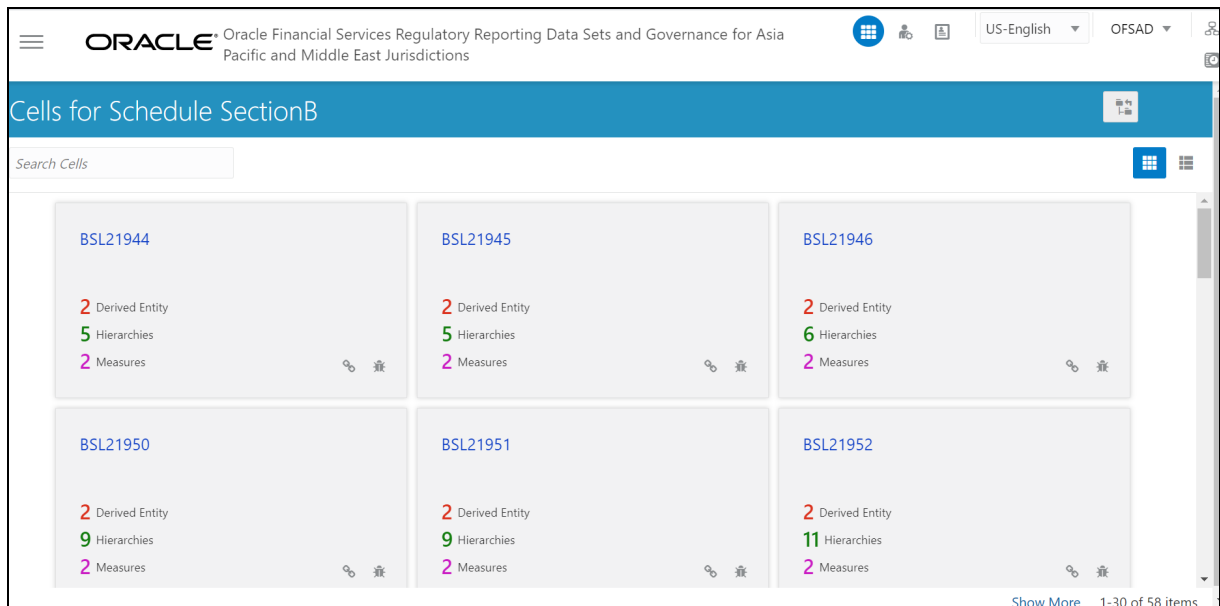
For [Viewing Data Elements](#) and [Viewing Data Elements Summary](#), Data Elements batch execution is required for the screen to function.

4.2.6 Viewing Cell Summary

The Cell Summary Window provides the non-derived cells or MDRMs configured as a part of the solution for the corresponding schedule under a report. Select the Schedule Code in the Schedule Summary Window to navigate to the Cell Summary window (as shown in **Error! Reference source not found.**).

For example, the **Cells for Schedule Part7** Summary Window under the CRSA Report is displayed as follows.

Figure 62: Cell Summary Window



NOTE

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

Tile view



or List view




.

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

The Paging Option (**Error! Reference source not found.**) 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.

Topics:

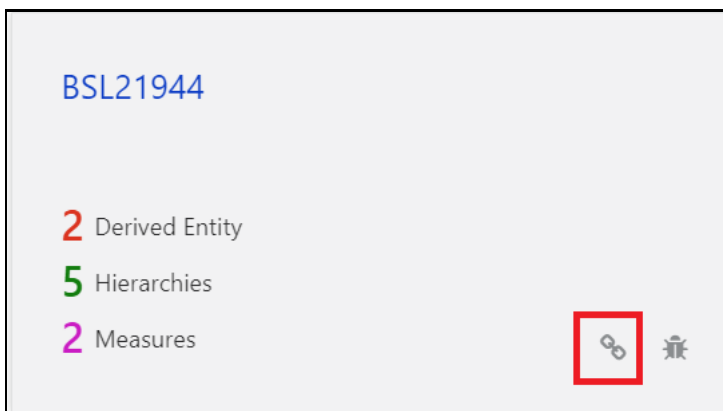
- [Cell Information](#)
- [Derived Entity](#)
- [Measure](#)
- [Filters](#)

4.2.6.1 Cell Information

Each tile or list on the Cell Summary Window corresponds to one cell or MDRM under the schedule. For each cell, you can view the MDRM Name, count of Utilized Derived Entities, count of Utilized OFSAA Hierarchies, and Measures for that cell.

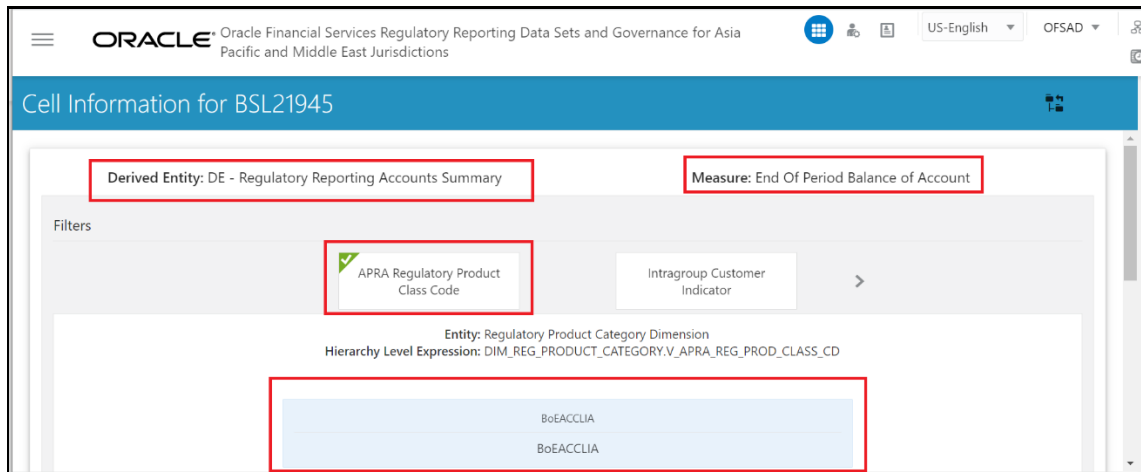
For example, the cell CRSAR040C180 tile is displayed as follows. Select the cell or MDRM Code to navigate to the Cell Information Window.

Figure 63: Cell Information



The Cell Information window is displayed as follows.

Figure 64: Cell Information Window



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

4.2.6.2 Derived Entity


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

4.2.6.3 Measure

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

4.2.6.4 Filters

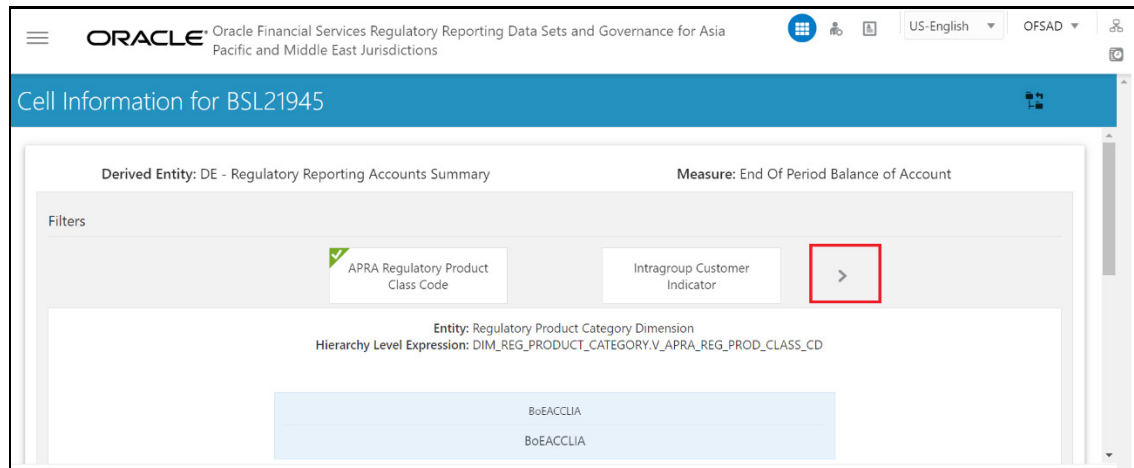
The Filter conditions are as follows:

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

For example, in the previous case for MDRM CRSAR040C180, the applied filters are Consolidation Code and Reporting Line Code. Currently, the Consolidation Code filter is selected and the required filter values for the same are 100.

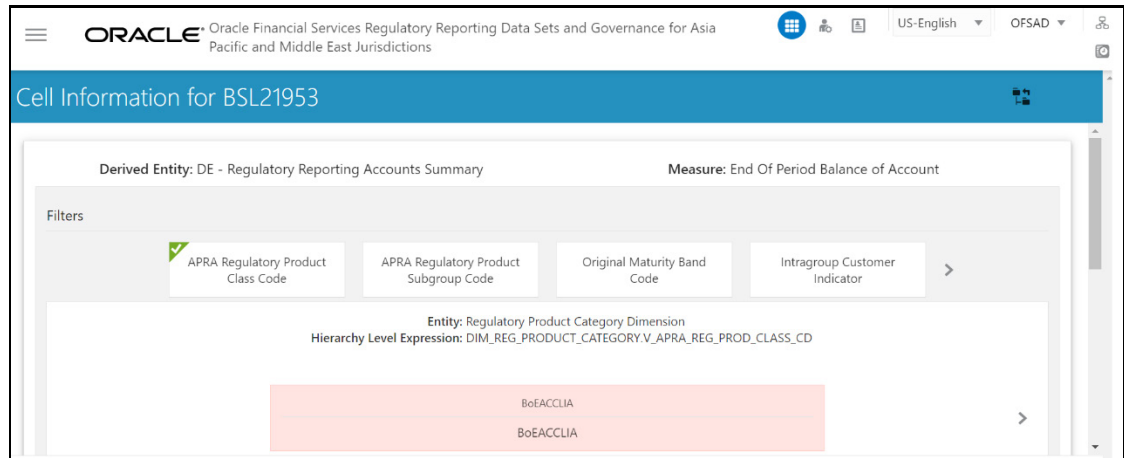
In the case of multiple values, the filters are displayed as follows with an arrow mark.

Figure 65: Multiple Filter Values



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

Figure 66: Not in Condition Filters



4.2.7 Viewing the Pre and Post Adjusted Data

To view the pre and post adjusted data, follow these steps:


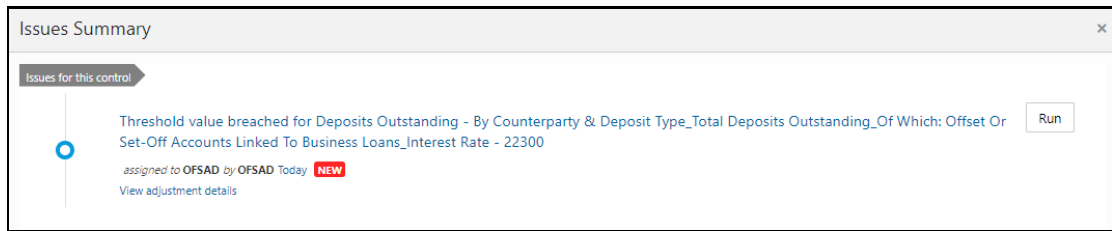
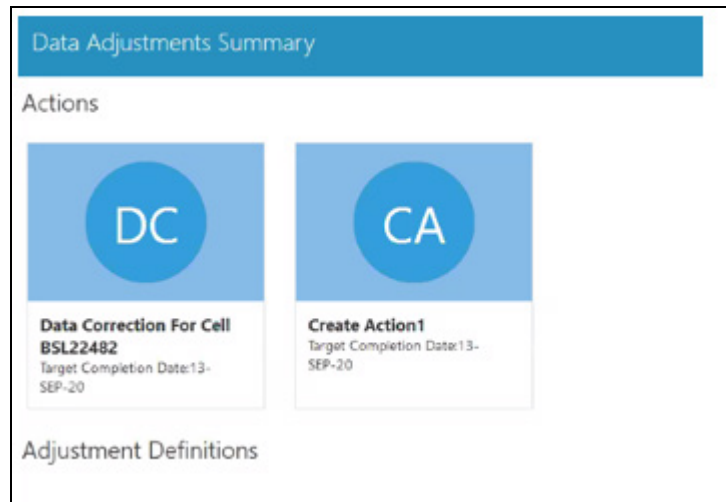
1. From the **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions** Window navigate to **Metadata Management** and then select **Reports**. The Report Summary Window is displayed.
2. Select the required **Report Name** and then select a **Schedule**. The Schedule Summary for the selected report is displayed.
3. Select the required **Cell ID**. The Cells for the selected Schedule are displayed.
4. Click  **Issue** icon on the Cell Details tile. The **Issues Summary** Window is displayed.

Figure 67: Issue Summary Window



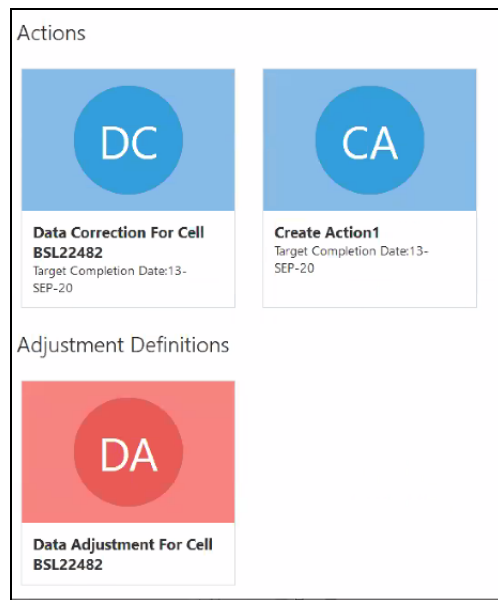
5. Click **View Adjustment Details**. The Data Adjustment Summary Window is displayed. In the **Actions** Window, the action that was created for the issue is displayed.

Figure 68: Data Adjustment Summary Window



6. Click the required Action. The adjustments that are defined for the actions are displayed.

Figure 69: Adjustments and Actions Window



7. Click the required adjustment. The pre and post adjusted data is displayed.

Figure 70: Pre and Post Adjusted Data Window

The screenshot shows a window titled "Adjustment Details". It contains a "Filters" section with two dropdown menus: "MIS Date" and "Batch Id". Below the filters are two buttons: "Show Data" and "Export Data". Underneath the buttons, it says "Number of Rows Adjusted :1". The main section is titled "Post Adjusted Data" and contains a table with the following data:

BSL22482	Run Key: 9	MIS Date: 31-DEC-15
Legal Entity Code: 3	Post Value: 350000	
Attributer: N_ADJUSTED_AMT		

NOTE

For the Data Adjustment - Regulatory Reporting, only the adjusted data appears.

4.2.8 Creating an Action

To create a new action for the system generated Issue, follow these steps:

1. From the **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions** Window navigate to **Metadata Management** and then select **Reports**. The Report Summary Window is displayed.

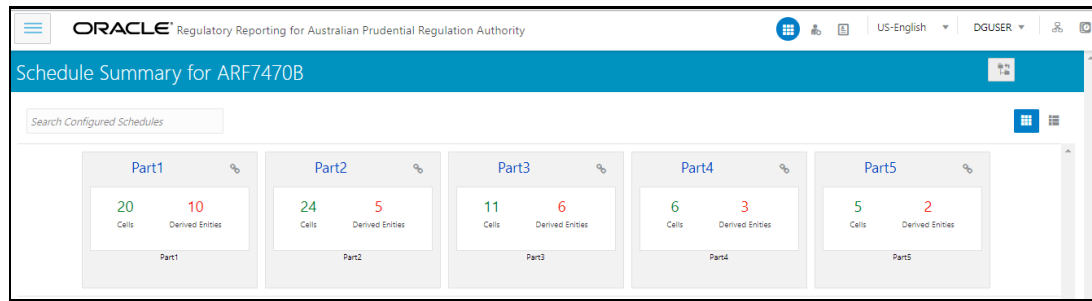
Figure 71: Report Summary Page

The screenshot shows the "Report Summary" page in the Oracle Financial Services Regulatory Reporting interface. The page has a blue header with the Oracle logo and the text "Regulatory Reporting for Australian Prudential Regulation Authority". Below the header, there is a search bar containing "ARF7470B". To the right of the search bar are icons for a grid, a list, and a user profile. Below the search bar, there is a card for the report "ARF7470B". The card displays the following statistics:

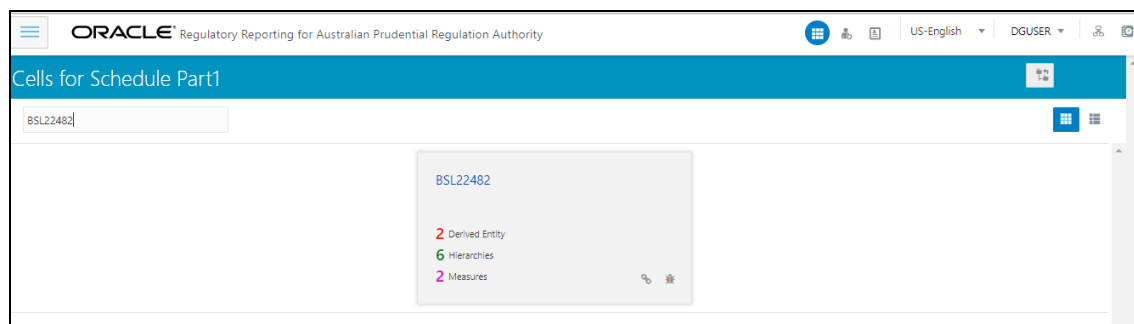
5	Schedules
66	Cells
24	Derived Entities


Below the statistics, the card lists the report details: "ABS/RBA Deposits Stocks, Flows and Interest Rates (Reduced)".

2. Select the required **Report Name** and then select a **Schedule**. The Schedule Summary for the selected report is displayed.

Figure 72: Schedule Summary Page

3. Select the required **Cell ID**. The Cells for the selected Schedule are displayed.

Figure 73: Cell Summary Page

4. Click  **Issue** icon on the Cell Details tile. The **Issues Summary** Window is displayed. Here, you can edit an issue and create an action for system-generated issues for a Cell. See section Editing an Issue and Creating an Action, for more information.

4.3 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.

4.3.1 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: ARF7200A v1 Report

070 Line Item: On balance sheet exposures subject to Credit Risk

Cell ID: BSAO27429

NOTE

The Adjustment Feature works only for Fixed Table Cells (Open Y Cells are not supported).

The report currently displays a Total value = 3.758 M for the identified cell as shown in the following figure.

Figure 74: Adjustment Feature

AgileREPORTER ARF7200A v1 Australian Prudential Regulation Authority / Westpac1 31/12/2015 Not Approved (0/1)

All numeric cells are denominated in ONE (1%) except those in blue outline.

1. Total currency and unallocated gold

1.1. Notes and coins	384,949,370,684	212,943,088,896
1.2. Unallocated gold	196,153,273,376	108,506,435,144
	188,796,097,308	104,436,653,722

2. Total funds on deposit at other financial institutions

2.1. Residents	28,035,253	10,677,699	22,205,272	13,580,285	50,240,525
2.1.1. RBA	22,520,200	7,626,928	16,890,219	10,529,514	39,210,419
2.1.2. ADIs	3,757,527	1,525,386	2,757,527	1,525,386	6,515,054
2.1.3. Registered financial corporations	14,247,621	3,050,771	8,417,639	5,953,357	22,665,260
2.1.4. Clearing houses and central counterparties	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054
2.1.5. Other financial institutions	1,000,000	-1	-1	-1	-1,000,000
2.2. Non-residents	5,515,053	3,050,771	5,515,053	3,050,771	11,030,106
2.2.1. of which: Clearing houses and central counterparties	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054

3. Total securities held for trading

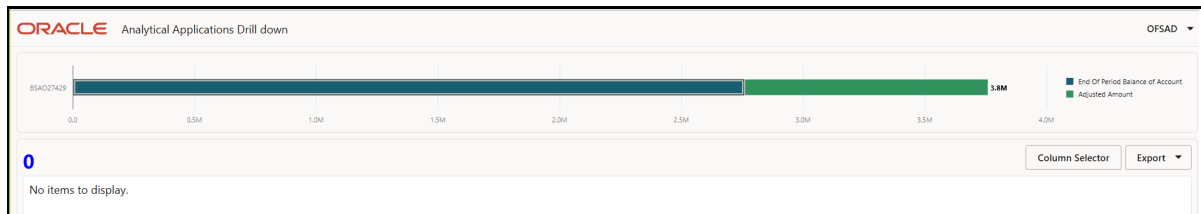
3.1. of which: Short-sold positions	-129,951	-83,647
3.2. of which: Securities lent or sold under repurchase agreements	383,564	208,861
3.3. Debt securities	30,000	30,000
3.4. Equity securities	25,726	2,707
	-155,677	-86,354

4. Total securities not held for trading

4.1. Debt securities	14,178,186	4,593,617
4.2. Equity securities	11,789,511	4,244,245
	3,444,674	330,373

Now, the requirement is to adjust this amount to 2.758M+1 M=3.758 M

Figure 75: Drill down for Total Value



For example, with the page instance, identify the Cell ID for the report and the line item where adjustment must be implemented.

For example: ARF7200A v1 Report

2.12 ADIs Line Item: On balance sheet exposures subject to Credit Risk

Cell ID: BSAO27429

NOTE

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

The drill-down will always show the total page instance value but not the individual page instance.

The report currently displays a Total value = 3,757,527 for the identified cell.

Topics:

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

- [Adjustment Verification](#)

4.3.1.1 Populating Base Tables

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

For example:

N_ADJUSTED_AMT = 3,757,527

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:

5. N_ENTITY_SKEY
6. N_RUN_SKEY
7. N_MIS_DATE_SKEY

4.3.1.2 Refreshing Adjustment Derived Entity

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

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

4.3.1.3 Adjustment Verification

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

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

$(2.578 \text{ M} + 1 \text{ M}) = 3,757,527$

Figure 76: Adjustment Verification

All numeric cells are denominated in ONE (1%) except those in blue outline.

1. Total currency and unallocated gold

1.1. Notes and coins	384,949,370,684	212,943,088,866
1.2. Unallocated gold	196,153,273,376	108,506,435,144
	188,796,097,308	104,436,653,722

2. Total funds on deposit at other financial institutions

	At call (1)	of which: Denominated in FX (AUD equivalent) (2)	Not at call (3)	of which: Denominated in FX (AUD equivalent) (4)	Total (5)
2.1. Residents	28,035,253	10,677,699	22,205,272	13,580,285	50,240,525
2.1.1. RBA	22,520,200	7,625,928	16,690,219	10,529,514	39,210,419
2.1.2. ADIs	3,757,527	1,525,386	2,757,527	1,525,386	6,515,054
2.1.3. Registered financial corporations	14,247,621	3,050,771	8,417,639	5,963,357	22,865,260
2.1.4. Clearing houses and central counterparties	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054
2.1.5. Other financial institutions	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054
2.2. Non-residents	-1,000,002	-1	-1	-1	-1,000,003
2.2.1. of which: Clearing houses and central counterparties	5,515,053	3,050,771	5,515,053	3,050,771	11,030,106
	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054

3. Total securities held for trading

	Total (1)	of which: Denominated in FX (AUD equivalent) (2)
3.1. of which: Short-sold positions	-129,951	-83,647
3.2. of which: Securities lent or sold under repurchase agreements	383,564	208,861
3.3. Debt securities	30,000	30,000
3.4. Equity securities	25,725	2,707
	-155,671	-86,354

4. Total securities not held for trading

	Total (1)	of which: Denominated in FX (AUD equivalent) (2)
4.1. Debt securities	14,178,185	4,583,617
4.2. Equity securities	11,766,511	4,244,245
	2,411,674	330,372

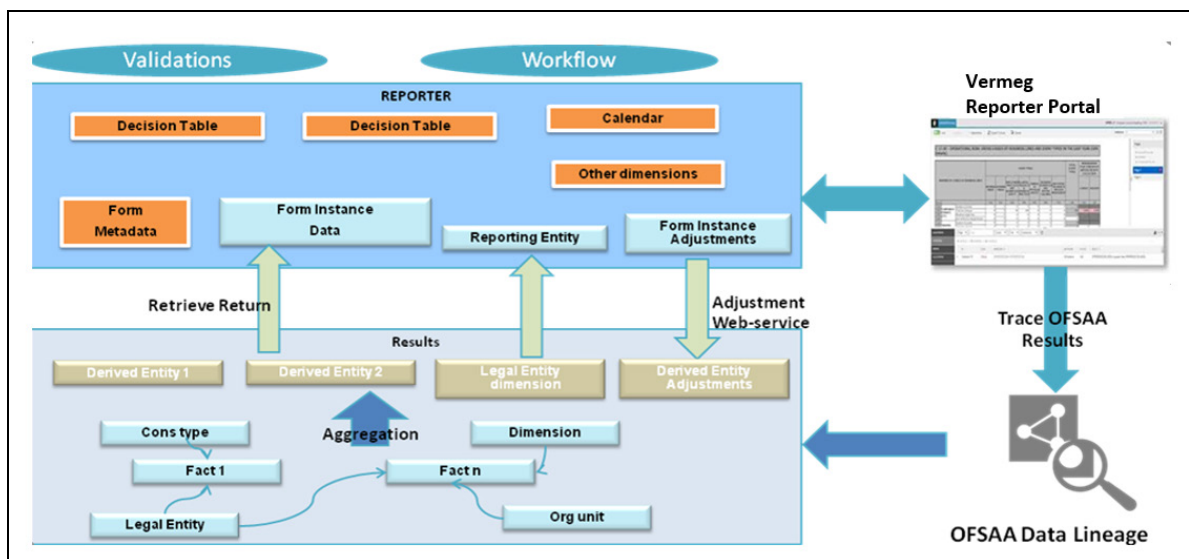
NOTE

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

4.4 Mapping of Results to Reporting Requirements of Lombard Risk

Figure 77 explains the flow of data between OFSAA and AgileREPORTER:

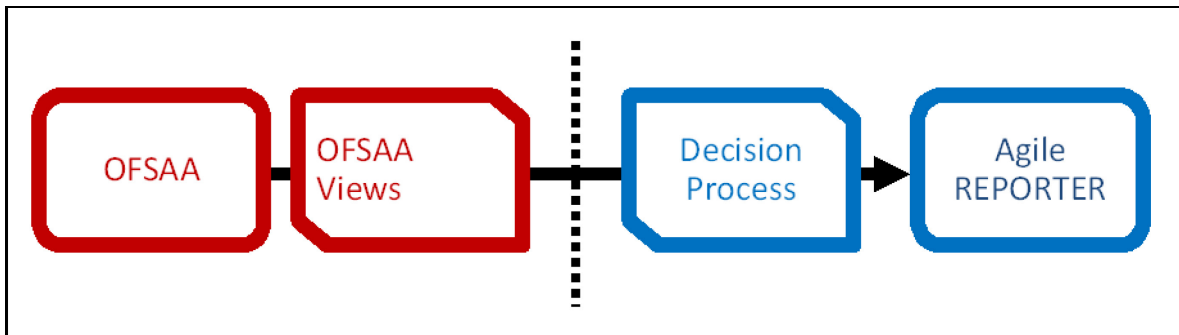
Figure 77: Data Flow between OFSAA and AgileREPORTER



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

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

Figure 78: Decision Process in AgileREPORTER



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

NOTE

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

4.5 Regulatory Report Submission

The solution provides mechanism to integrate the generated results to a third-party end mile reporting template solution, thus helping with final submission to the respective regulator.

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

5 Metadata Browser

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

Metadata Browser (Object and Application View) provides a common repository of metadata objects created in OFSAI and applications hosted in OFSAI. 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 OFSAI. In the Object view, you can view the metadata created in OFSAI.

To access the Metadata Browser (Object and Application Views), your role must be mapped to the SCR_MDB Function.

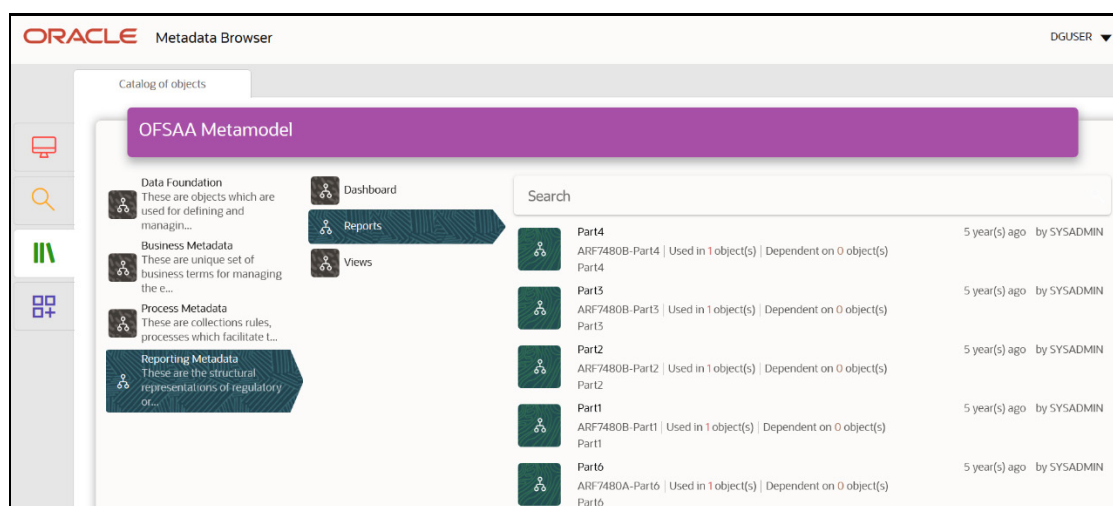
Analysts review the metadata used for a particular report schedule to verify the data. Data verification may require looking for metadata used in a given schedule or it can be scheduled in which particular metadata is used. Data Analysts and Reporting Analysts perform the report verification. Metadata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

5.1 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:

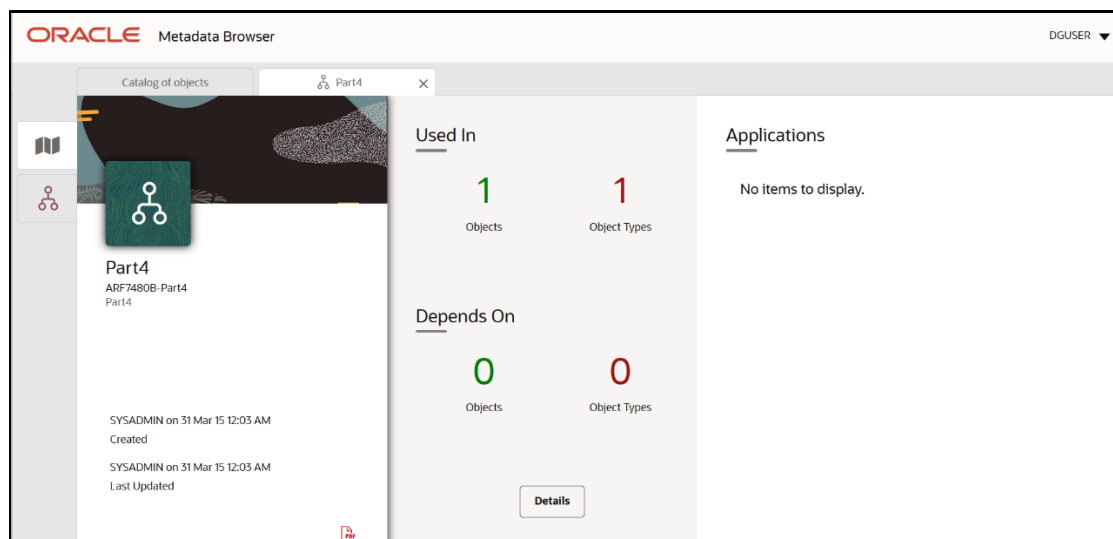
1. You can verify the data for related data elements in results using this information. Navigate to **Catalog of Objects**, select **OFSAI Metamodel**, select **Reporting Metadata**, and then select **Reports**. The MDB Reporting Metadata Screen is displayed.

Figure 79: MDB - Reporting Metadata Page



2. Click the object view ARF7480B to view the list of schedules. The **Reporting Metadata Schedule View** Page is displayed.

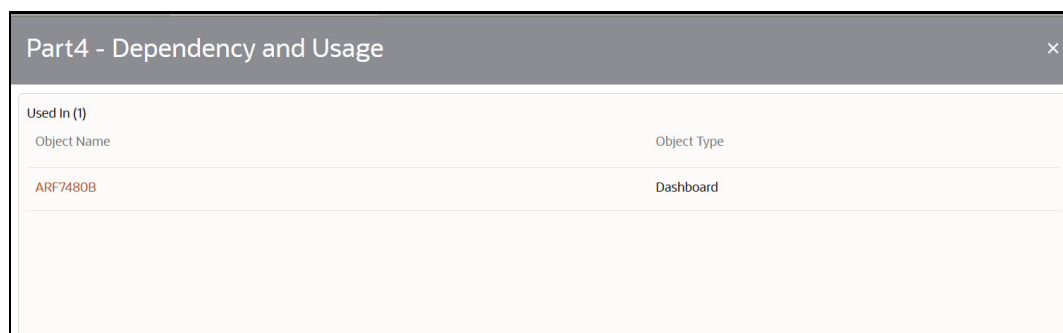
Figure 80: MDB - Reporting Metadata - Schedule View



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

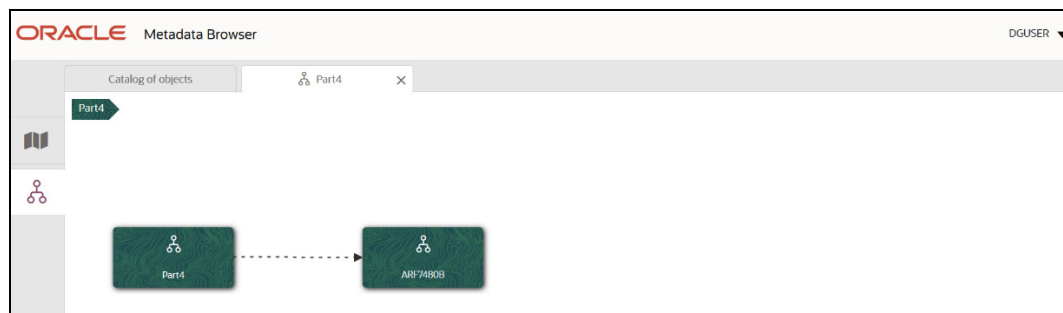
- **Depends On:** This section displays the metadata used in a given schedule.
 - **Used In:** This section displays the Reports in which this schedule is used.
 - **Applications:** This section displays the applications in which this schedule is used.
3. Click **Details** to view the dependency and usage information such as the **Object Name** and the **Object Type**.

Figure 81: MDB - Reporting Metadata - Schedule View 1



4. From the **Schedule View** Page, click the **Dependency** Tab to view the report tree structure.

Figure 82: 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.

5.2 Business Metadata

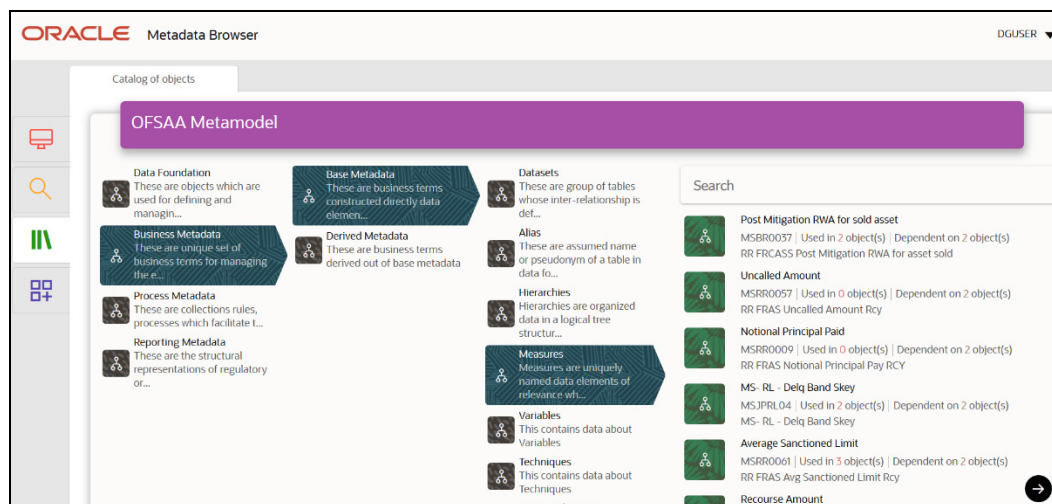
This section provides information on the Business metadata objects which include Base Metadata and Derived Metadata.

5.2.1 Base Metadata

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

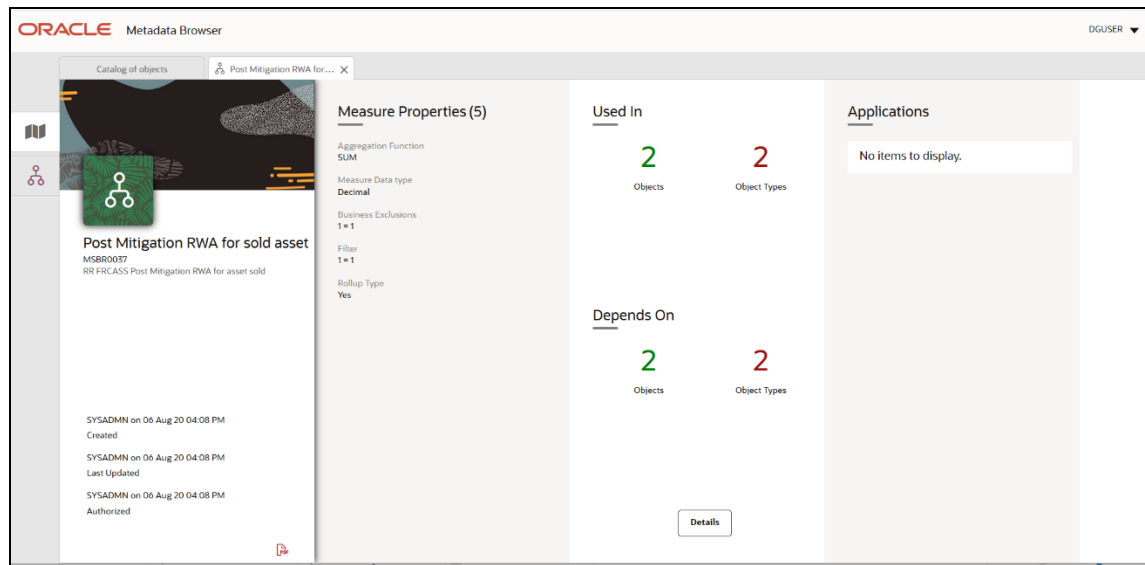
1. To view the measures, navigate to **Catalog of Objects**, select **OFSAA Metamodel**, select **Business Metadata**, select **Base Metadata**, and then select **Measures**. The **MDB Business Metadata** Page is displayed.

Figure 83: 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 84: 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 85: Measure Dependency and Usage Details Page

Post Mitigation RWA for sold asset - Dependency and Usage			
Used In (2)		Depends On (2)	
Object Name	Object Type	Object Name	Object Type
DE - BR - ARF1122 - SectionA - 14	Derived Entity	Regulatory Capital Asset Sold Summary	Entities
CS02194	Reporting Element	Risk Weighted Amount Of Unexpected Loss Post Multiplier F...	Columns

4. From the **Measure Details** Page, click the **Dependency** tab to view the measure tree structure.

```

graph LR
    A[Risk Weighted Amount Of ...] -.-> D[Post Migration RWA for sold asset]
    B[Regulatory Capital Asset Side Summary] -.-> D
    D -.-> C[CSG284]
    D -.-> E[DE BR ASST22 SectionA - 14]
  
```

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).

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 **OFSA Metamodel**, select **Business Metadata**, select **Derived Metadata**, and then select **Derived Entities**.

The screenshot displays the Oracle Metadata Browser interface for the OFSAA Metamodel. The interface is organized into a sidebar on the left with navigation icons, a main content area with a search bar, and a list of metadata objects categorized by type. Each object entry includes its name, a brief description, and its relationships to other objects.

Categories and Objects:

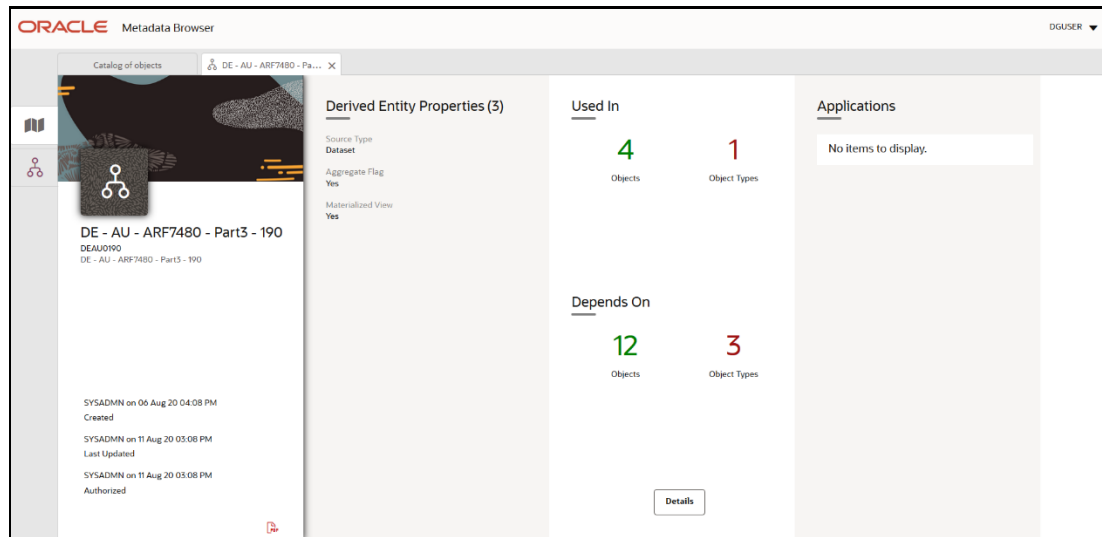
- Data Foundation:** These are objects which are used for defining and managing...
 - Business Metadata:** These are unique set of business terms for managing the e...
 - Process Metadata:** These are collections rules, processes which facilitate ...
 - Reporting Metadata:** These are the structural representations of regulatory or...
- Base Metadata:** These are business terms constructed directly data elemen...
- Derived Metadata:** These are business terms derived out of base metadata
- Dimensions:** This contains data about Dimensions
 - Business Processors:** Business Processors are measurements which require comple...
 - Derived Entities:** These are entities which are populated through a series o...
 - Filters:** Filters allow you to filter metadata using the defined ex...
 - Expressions:** Expressions are user-defined tools and they supplement ot...
 - Cubes:** This contains data about Cubes
 - Catalog:** This contains data about Catalog

Search Results:

- DE - AU - ARC7480 - Part3 - 190**
DEAU0090 | Used in 4 object(s) | Dependent on 12 object(s)
DE - AU - ARC7480 - Part3 - 190
- DE - AU - ARC7480 - Part1 - 197**
DEAU0097 | Used in 1 object(s) | Dependent on 10 object(s)
DE - AU - ARC7480 - Part1 - 197
- DE - AU - ARC7480 - Part3 - 147**
DEAU0147 | Used in 2 object(s) | Dependent on 9 object(s)
DE - AU - ARC7480 - Part3 - 147
- DE - AU - ARC7480 - Part4 - 155**
DEAU0155 | Used in 1 object(s) | Dependent on 7 object(s)
DE - AU - ARC7480 - Part4 - 155
- DE - AU - ARC7480 - Part1 - 258**
DEAU0258 | Used in 2 object(s) | Dependent on 9 object(s)
DE - AU - ARC7480 - Part1 - 258
- DE - AU - ARC7480 - Part1 - 231**
DEAU0231 | Used in 2 object(s) | Dependent on 9 object(s)
DE - AU - ARC7480 - Part1 - 231
- DE - AU - ARC7480 - Part4 - 177**
DEAU0177 | Used in 5 object(s) | Dependent on 14 object(s)
DE - AU - ARC7480 - Part4 - 177
- DE - AU - ARC7480 - Part2 - 250**
DEAU0250 | Used in 2 object(s) | Dependent on 9 object(s)

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

Figure 88: Derived Entity Details Page



You can view the following information on this page:

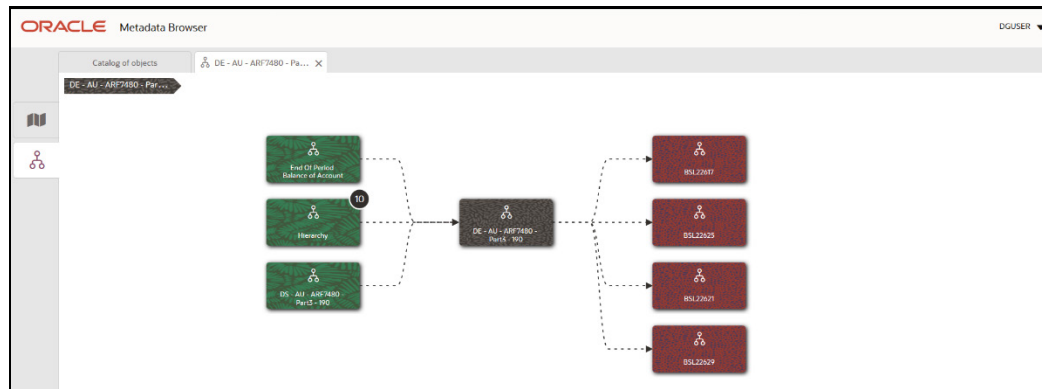
- **Derived Entity Properties:** It provides information on properties of derived entities, such as Source Type, Aggregate Flag, and Materialized View.
 - **It depends on:** This section displays all the object names and their types, such as Dataset, Hierarchy, and so on.
 - **Used In:** This section 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 89: Derived Entity Dependency and Usage Page

DE - AU - ARF7480 - Part3 - 190 - Dependency and Usage			
Used In (4)		Depends On (12)	
Object Name	Object Type	Object Name	Object Type
BSL22617	Reporting Element	End Of Period Balance of Account	Measure
BSL22621	Reporting Element	APRA Regulatory Product Group Code	Hierarchy
BSL22625	Reporting Element	APRA Regulatory Product Subgroup Code	Hierarchy
BSL22629	Reporting Element	Balance Sheet Category	Hierarchy
		Calendar Date	Hierarchy
		Customer Domicile Country ISO Code	Hierarchy
		ISO Country Code	Hierarchy
		Intragroup Customer Indicator	Hierarchy
		Org Structure Entity Code	Hierarchy

4. From the **Derived Entity Details** page, click the **Dependency** tab to view the Derived Entity tree structure.

Figure 90: Derived Entity Tree Structure Page



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

6 Business Terms

Business terms are individual terms present in a glossary. It includes a definition and several attributes that provide a complete description of the glossary.

Additionally, Business Terms provide associated knowledge, such as the user responsible for the term, the associated metrics, correct usage of the term, related terms, list of possible values for the term, and so on. OFSAA Glossary includes all the terms related to risk, performance, compliance, and insight pre-packaged with all the relevant information in them.

6.1 User Roles and Actions

All users are required to be mapped to the **DGSAUTHGRP**, **DGSADMINGRP**, and **DGSANALYSTGRP** groups along with their respective groups.

The following is the user role for Business Terms:

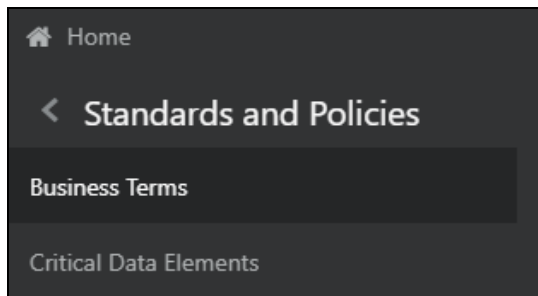
- **Business Term Viewer:** Permits the user to view the Business Terms.

6.2 Viewing a Business Term

To view a Business Term, follow these steps:

1. From the **Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions** window navigate to **Standards and Policies** and select **Business Terms**.

Figure 91: Standards and Policies – Business Terms



The **Business Terms** window is displayed.

Figure 92: Business Terms

Search

Term: Status: Subject Area:

Summary

[View](#)

Term	Critical Data Element	Subject Area	Domain	Glossary	Status
<input type="checkbox"/> Account Closed Date	Yes	Account	Date	OFSAA Glossary	Active
<input type="checkbox"/> Account Maturity Date	Yes	Account	Date	OFSAA Glossary	Active
<input type="checkbox"/> Account Number Offset	Yes	Account	Code_Alphanumeric_Long_Type3	OFSAA Glossary	Active
<input type="checkbox"/> Account Open Date	Yes	Account	Date	OFSAA Glossary	Active
<input type="checkbox"/> Account Open Date	Yes	Application	Date	OFSAA Glossary	Active
<input type="checkbox"/> Account Or Contract Code	Yes	Account	Code_Alphanumeric_Long_Type3	OFSAA Glossary	Active
<input type="checkbox"/> Account Or Contract Number	Yes	Account	Code_Alphanumeric_Long_Type3	OFSAA Glossary	Active
<input type="checkbox"/> Accrued Interest	Yes	Account	Amount	OFSAA Glossary	Active
<input type="checkbox"/> Accrued Interest Amount	Yes	Account	Amount	OFSAA Glossary	Active
<input type="checkbox"/> Accumulated Excess Repaid Amount	Yes	Account	Amount_Long_Type2	OFSAA Glossary	Active
<input type="checkbox"/> Application Number	Yes	Application	Code_Alphanumeric_Long_Type3	OFSAA Glossary	Active
<input type="checkbox"/> Book Type	Yes	Account	Code_Alphanumeric_Long	OFSAA Glossary	Active

2. In the **Search** section, enter the search details and click [Search](#) to view the results in the summary table.
 - a. Enter the required Business **Term**.
 - b. Select the **Status** from the drop-down list. The status can be Draft, Pending Approval, or Active.
 - c. Select the **Subject Area** from the drop-down list.

Figure 93: Business Terms Search

Business Terms

Home > Business Terms

Search

Term: account close Status: Active Subject Area: Account

Summary

[View](#)

Term	Critical Data Element	Subject Area	Domain	Glossary	Status
<input type="checkbox"/> Account Closed Date	Yes	Account	Date	OFSAA Glossary	Active

Page 1 of 1 (1-1 of 1 items) Records Per Page 15

3. To view a Business Term, select a Business Term from the Summary table and click [View](#) icon.

Figure 94: Business Terms - View

Business Terms

Home > Business Terms

Search

Term: Status: Subject Area:

Summary

[View](#)

Term	Critical Data Element	Subject Area	Domain	Glossary	Status
<input type="checkbox"/> Account Closed Date	Yes	Account	Date	OFSAA Glossary	Active
<input checked="" type="checkbox"/> Account Maturity Date	Yes	Account	Date	OFSAA Glossary	Active

4. In the **Business Term Details** window, you can view the following **Details**:

Table 19: Business Term Details

Fields	Description
Term	Name of the Business Term.
Annotate	A reference text for additional information on Business Term.
Definition	Brief description of the Business Term.
Keywords	Values to be used as keywords that are used to search the Business Term.
Glossary	Glossary Name.
Subject Area	Subject Area Name.
Critical Data Element	Glossary term is a critical data element or not.
Domain	Alphanumeric, Date, or Numeric.

Figure 95: Business Term Details

Business Term Details

Home > Business Terms > Business Term Details

Details | Contextual Definition

▼

* Term Account Maturity Date

Annotate

Definition Contractual date on which the principal balance is expected to fully amortize and the balance payable would be nil. This is applicable for term loan products but not for revolving credit or overdraft type of ...

Keywords Termination Date Due Date

Glossary OFSAA Glossary

Subject Area Account

Critical Data Element Yes

Domain Date

5. In the **Contextual Definition** window, you can view the following details:

Table 20: Contextual Definition

Fields	Description
Context Name	Related to other glossary identifiers (multiple contextual definitions for the glossary term).
Context Definition	Contextual definition of the glossary term from the perspective of source or application.
Context ID	A system-generated number.
Usage Term Name	The name of the context in which the term is used.

Figure 96: Business Term Contextual Definition

Business Term Details

Home > Business Terms > Business Term Details

Details Contextual Definition

Contextual Definitions

<input type="checkbox"/>	Context ID	Usage Term Name	Scope	Group	Reference
<input type="checkbox"/>	62107	Characteristics of business loan and f...	ARF7201A		
<input type="checkbox"/>	55339	Characteristics of business loan and f...	ARF7201A		
<input type="checkbox"/>	62049	Characteristics of business loan and f...	ARF7201A		
<input type="checkbox"/>	55285	Characteristics of business loan and f...	ARF7201A		
<input type="checkbox"/>	59728	Gross outstanding loans and finance L...	ARF7201A		
<input type="checkbox"/>	46270	Gross outstanding loans and finance L...	ARF7201A		
<input type="checkbox"/>	47317	Gross outstanding loans and finance L...	ARF7201A		
<input type="checkbox"/>	117751	New borrower-accepted commitments...	ARF7450		
<input type="checkbox"/>	119358	New borrower-accepted commitments...	ARF7450		
<input type="checkbox"/>	117625	New borrower-accepted commitments...	ARF7450		
<input type="checkbox"/>	118637	New borrower-accepted commitments...	ARF7450		
<input type="checkbox"/>	118982	New borrower-accepted commitments...	ARF7450		
<input type="checkbox"/>	117930	New borrower-accepted commitments...	ARF7450		
<input type="checkbox"/>	117849	New borrower-accepted commitments...	ARF7450		

Page 1 of 1 (1-14 of 14 items) | < > X

Records Per Page 15

6. You can also view the **Related Business Terms** and **List of Values** associated with the Business Term.

The definition of Business Terms is generally designed to produce a common understanding of the meaning of the term for the entire organization irrespective of the business function. These are standard definitions and do not define the usage of the term in a specific context.

The Usage Term of Business Terms explains the terminology in the context of its usage. A terminology can have one or more usage terms based on the number of use cases that it applies to in the organization. Each usage of that particular term has its explanation of how and why it is used, along with the list of values for that specific context.

Figure 97: Related Business Terms and List of Values

Related Business Terms

<input type="checkbox"/>	ID	Name	Glossary
<input type="checkbox"/>	34893	Maturity Date	OFSAA Glossary

Page 1 of 1 (1-1 of 1 items) | < > X

Records Per Page 15

List of Values

<input type="checkbox"/>	List of Values
<input type="checkbox"/>	No Records Found

7. In the **Summary Table**, you can search for a particular Business Term from the summary table. For example, enter a search keyword “Code”, the table lists the results with the matching keyword.


Figure 98: Business Terms Search

Summary

View

Search code

<input type="checkbox"/>	Term	Critical Data Element	Subject Area	Domain	Glossary	Status
<input type="checkbox"/>	Account Number Offset	Yes	Account	Code Alphanumeric_Long_Type3	OFSAA Glossary	Active
<input type="checkbox"/>	Account Or Contract Code	Yes	Account	Code Alphanumeric_Long_Type3	OFSAA Glossary	Active
<input type="checkbox"/>	Account Or Contract Number	Yes	Account	Code Alphanumeric_Long_Type3	OFSAA Glossary	Active
<input type="checkbox"/>	Application Number	Yes	Application	Code Alphanumeric_Long_Type3	OFSAA Glossary	Active
<input type="checkbox"/>	Book Type	Yes	Account	Code Alphanumeric_Long	OFSAA Glossary	Active

8. To export the summary table into an **Excel** or **CSV** file, in the Summary Table, click the **Export** drop-down . This downloads Business Term Summary details.

7 Critical Data Elements

Critical Data Elements are Business Terms that are critical for a specific business process. These terms and their values are vital and significant for specific processes, for example, Regulatory Reporting or Management Reporting.

These data elements are marked critical as per their context, justification, level of criticality, and approval for the classification. They are ensured to have additional rigor in their data quality checks, controls, and so on and have sufficient metrics around it to ensure timeliness and accuracy of the values.

Critical Data Elements (CDEs) are defined for each report in Regulatory Reporting. DGAPRA contains all CDEs for a particular report. The list of Critical Data Elements is identified for a particular report and the level of criticality will be defined and is stored in the FSI_GL_CDE_DETAILS table. These elements are monitored for accuracy and consistency of data within the Key Indicator and Control Section.

7.1 User Roles and Actions

All the users are required to be mapped to the **DGSAUTHGRP**, **DGSADMINGRP**, and **DGSANALYSTGRP** groups along with their respective following groups.

The following is the user role for critical data elements:

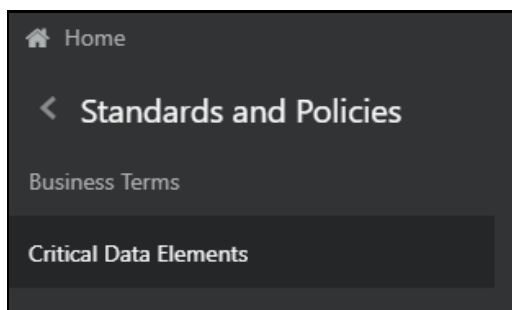
- **Critical Data Elements:** Permits the user to view the critical data elements.

7.2 Viewing Critical Data Elements

To view a **Critical Data Element**, follow these steps:

1. From the **Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, window navigate to **Standards and Policies** and select **Critical Data Element**.

Figure 99: Standards and Policies - Critical Data Element



The **Critical Data Element** Window is displayed.

Figure 100: Critical Data Element

Critical Data Elements
Home > Critical Data Elements

Search

CDE Name Status

Business Term

Summary

View

CDE Name	Critical Data Element	Data Classification Level	Access Level
<input type="checkbox"/> Account Closed Date	Yes	Financial	Confidential
<input type="checkbox"/> Account Maturity Date	Yes	Financial	Confidential
<input type="checkbox"/> Account Number Offset	Yes	Financial	Confidential
<input type="checkbox"/> Account Open Date	Yes	Financial	Confidential
<input type="checkbox"/> Account Or Contract Code	Yes	Financial	Confidential
<input type="checkbox"/> Account Or Contract Number	Yes	Financial	Confidential
<input type="checkbox"/> Account Product Type	Yes	Financial	Confidential
<input type="checkbox"/> Accrued Interest	Yes	Financial	Confidential
<input type="checkbox"/> Accrued Interest Amount	Yes	Financial	Confidential
<input type="checkbox"/> Accrued Interest In Reporting Currency	Yes	Financial	Confidential
<input type="checkbox"/> Accumulated Excess Repaid Amount	Yes	Financial	Confidential

2. In the **Search** Section, enter the search details and click **Search** to view the results in the Summary Table.
 - a. Enter the required **CDE Name**.
 - b. Select the **Status** from the drop-down list. The status can be Draft, Pending Approval, or Active.
 - c. Enter the **Business Term**.

Figure 101: Critical Data Element Search

Critical Data Elements
Home > Critical Data Elements

Search

CDE Name Status

Business Term

Summary

View

CDE Name	Critical Data Element	Data Classification Level	Access Level
<input type="checkbox"/> Country Code	Yes	Financial	Confidential

Page 1 of 1 (1-1 of 1 items) | < > X

Records Per Page 15

3. To view a CDE, select a CDE Name and click **View** icon.

Figure 102: Critical Data Element View

Critical Data Elements
Home > Critical Data Elements

Search

CDE Name Status

Business Term

Summary

View

CDE Name	Critical Data Element	Data Classification Level	Access Level
<input type="checkbox"/> Account Closed Date	Yes	Financial	Confidential
<input checked="" type="checkbox"/> Account Maturity Date	Yes	Financial	Confidential

4. In the **Critical Data Elements Details** Window, you can view the following details:

Table 21: Critical Data Elements Details

Fields	Description
CDE Name*	CDE Name.
Business Term*	Business Term Name.
Access Level*	Access level: Public Confidential Restricted
Data Classification Level*	Data classification level from the drop-down list: Legal Financial PHI PII

Figure 103: Critical Data Elements Details

Critical Data Element Details

[Home](#) > [Critical Data Elements](#) > [Critical Data Element Details](#)

Details

▼

* CDE Name Account Maturity Date

Business Term Account Maturity Date

Access Level Confidential

Data Classification Level Financial

5. You can also view the **Entity Attribute Details** associated with the CDE.

Figure 104: Entity Attribute Details

▼ Entity Attribute Details

<input type="checkbox"/>	Logical Entity	Logical Attribute	Physical Entity	Physical Attribute
<input type="checkbox"/>	Stage Cards	Account Maturity Date	STG_CARDS	D_ACCT_MATURITY_DATE

6. In **Summary Table**, you can search for a particular CDE from the table.

For example, enter a search keyword “Code”, the table lists the results with the matching keyword.

Figure 105: Critical Data Element Search

Critical Data Elements

[Home](#) > [Critical Data Elements](#)

Search

CDE Name Status


Business Term

Summary

View

Search

<input type="checkbox"/>	CDE Name	Critical Data Element	Data Classification Level	Access Level
<input type="checkbox"/>	Account Or Contract Code	Yes	Financial	Confidential

7. To export the summary table into an **Excel** or **CSV** file, in the Summary Table, click the **Export** drop-down . This downloads the CDE Summary details.

8 Key Indicator Assessment Configuration

The Key Indicator Assessment configuration UI helps the user to control the Report or Schedule or Cell to be processed for Variance Analysis and Dashboard Reporting. The UI also helps to update threshold breach percentage values alongside.

8.1 User Roles and Actions

All the users are required to be mapped to the **DGSAUTHGRP**, **DGSADMINGRP**, and **DGSANALYSTGRP** Groups along with their respective following groups.

The following is the user role for key indicators:

- **DG Administration:** Permits the user to view and edit the Key Indicator Assessment Configuration.

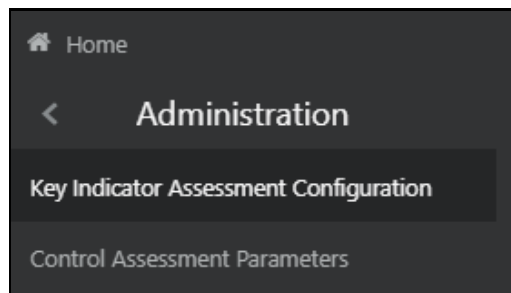
8.2 Configuring Key Indicators

To configure the key indicator, follow these steps:

NOTE By default, all the reports are included.

1. From **Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, window navigate to **Administration** and select **Key Indicator Assessment Configuration**.

Figure 106: Key Indicator Assessment Configuration



The **Key Indicator Assessment Configuration** window is displayed.

Figure 107: Key Indicator Assessment Configuration

Report	Excluded Schedules	Excluded Cells	Threshold
<input checked="" type="checkbox"/> ARF7200A	Select Schedules	Select Cell Ids	30
<input checked="" type="checkbox"/> ARF7200B	Select Schedules	Select Cell Ids	
<input checked="" type="checkbox"/> ARF7201A	Select Schedules	Select Cell Ids	
<input checked="" type="checkbox"/> ARF7201B	Select Schedules	Select Cell Ids	
<input checked="" type="checkbox"/> ARF7202A	Select Schedules	Select Cell Ids	
<input checked="" type="checkbox"/> ARF7202B	Select Schedules	Select Cell Ids	
<input checked="" type="checkbox"/> ARF7203	Select Schedules	Select Cell Ids	
<input checked="" type="checkbox"/> ARF7204	Select Schedules	Select Cell Ids	
<input checked="" type="checkbox"/> ARF7205	Select Schedules	Select Cell Ids	

2. In the KI Assessment Configuration section, in the Report column, select the checkboxes for the reports whose schedules and cell IDs you want to exclude.

The **Select Schedules** and **Select Cell IDs** buttons are enabled.

3. For the report whose schedule you want to exclude, click the **Select Schedules** button.

Figure 108: Schedule List

4. In the **Schedules List** window, in the **Available Schedules** section, select the available

schedules that you want to exclude and then click the  icon.

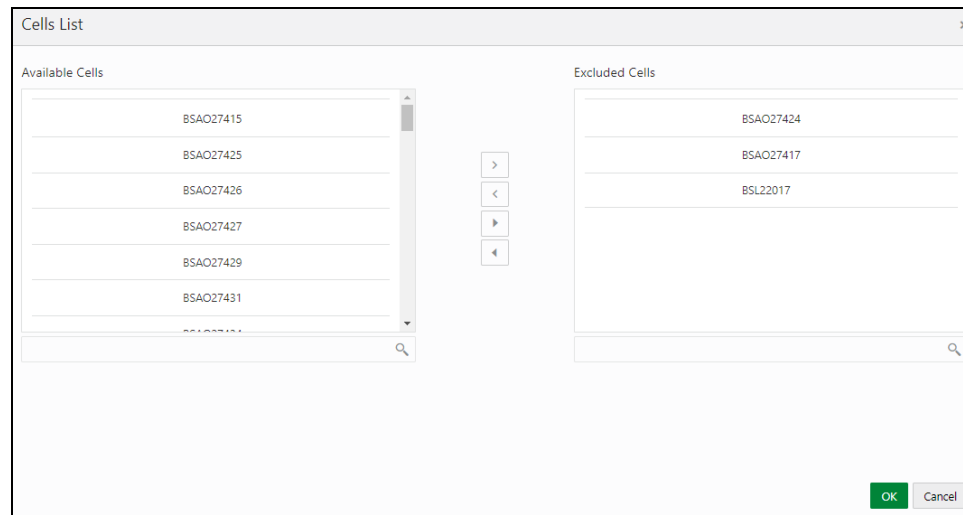
NOTE The groupings appear based on your configuration.

The excluded schedules appear in the **Excluded Schedules** section.

5. Click **OK**.

6. Additionally, for the report whose cell ID you want to exclude, click the **Select Cell IDs** button.

Figure 109: Cell List



7. In the **Cells List** window, in the **Available Cells** section, select the available cells that you want

to exclude and then click the  icon.

NOTE The groupings appear based on your configuration.

The excluded schedules appear in the **Excluded Cells** section.

8. Click **OK**.
9. **To set the Alert Threshold Values at the Individual Report Level,**
- l.** Select the report that you want to set the threshold for.
 - m.** In the **Threshold** field, enter a value.
 - n.** Click the **Refresh Threshold** button.

The threshold for all the cells associated with the report is updated with the new threshold value.

9 Control Assessment Parameters

The maintenance has a list of seeded parameters that are dependent on the Data Quality Framework of OFSAAI. The outputs associated with these parameters are derived at the run time based on the Data Quality Profiling information within the Data Governance for APME Regulatory Reporting. The screen also enables a user to define new Assessment Parameters that can participate in the Score and Rating calculation of Assessment. The assessments for a particular control depend on the Parameter Type and Score Methodology.

9.1 User Roles and Actions

All the users are required to be mapped to the **DGSAUTHGRP**, **DGSADMINGRP**, and **DGSANALYSTGRP** groups along with their respective following groups.

The following is the user role for control assessment parameters:

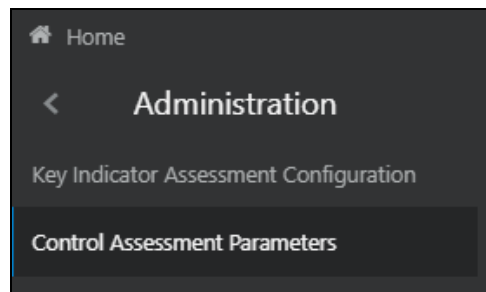
- **DG Administration:** Permits the user to view and edit the control assessment parameters.

9.2 Configuring Control Assessment Parameters

To Control the Assessment Parameters, follow these steps:

1. From **Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions** window navigate to **Administration** and select **Control Assessment Parameters**.

Figure 110: Administration



The Control Assessment Parameters window is displayed.

Figure 111: Control Assessment Parameters

 A screenshot of the 'Control Assessment Parameters' configuration window. The title bar says 'Control Assessment Parameters'. Below the title bar is a breadcrumb: 'Home > Control Assessment Parameters'. There are two sections, each with a 'Controls' header and a 'Save' button. The first section has a table with columns 'Parameter Name' and 'Weight'. The second section has a table with columns 'Parameter Name' and 'Threshold value'. At the bottom, there is a 'Threshold Score' field with the value '95'.

Parameter Name	Weight
<input type="checkbox"/> Data Quality Errors	19
<input type="checkbox"/> Data Quality Warning Flag	31
<input type="checkbox"/> Data Quality Information Flags	25
<input type="checkbox"/> Defaults	25

Page 1 of 1 (1-4 of 4 items) | < > X

Records Per Page 15

Parameter Name	Threshold value
<input type="checkbox"/> DQ Failed Threshold Amount	2000000
<input type="checkbox"/> DQ Failed Threshold Count Percentage	20

Page 1 of 1 (1-2 of 2 items) | < > X

Records Per Page 15

Threshold Score 95

2. In the **Controls** section, to edit the **Weight** of the Parameters, run the [Control Assessment Parameters.sql](#) script in the Atomic Schema.

The weight is altered in the Control Assessment Parameters Window.

9.3 Controls

Control is a measure taken to mitigate a regulatory reporting risk. Control Measures help an organization to avoid risks that may otherwise hamper a business due to inconsistency in reporting. Controls are defined to ensure that the data elements used for various business processes are accurate in value and obtained in time.

The controls identified for risk mitigation can be recorded and stored in a repository. This section helps in capturing Controls, and also assesses their effectiveness in avoiding the risks of reporting.

Control effectiveness establishes the confidence factor in data elements and their values.

- **Quality Controls:** They are used to assess data accuracy.

9.3.1 Data Quality Checks and Controls

Controls are defined on data elements based on the defined Data Quality Rules. The effectiveness of these controls can be automatically assessed based on the Data Quality execution facts.

NOTE

To view an issue and create an action, the user must be mapped to the following issue and action groups **ACTNANLST**, **IAVWR**, **ISSUEADMN**, **ISSUEANLST** in addition to other Control related groups.

The following are the types of Data Quality Checks and their definitions:

Table 22: Data Quality Checks

Data Quality Check	Definition
Blank Value Check	Identifies if the base column is empty considering the blank space.
Column Reference/Specific Value Check	Compares the base column data with another column of the base table or with a specified direct value by using a list of pre-defined operators.
Data Length Check	Checks for the length of the base column data by using a minimum and maximum value, and identifies if it falls outside the specified range
Duplicate Check	Is used when a combination of the column is unique and identifies all duplicate data of a base table in terms of the columns selected for the duplicate check

List of Value Check	It can be used to verify values where a dimension/master table is not present. This check identifies if the base column data does not match with a value or specified code in a list of values.
NULL Value Check	Identifies if 'NULL' is specified in the base column.
Referential Integrity Check	Identifies all the base column data that has not been referenced by the selected column of the referenced table. Here, the user specifies the reference table and columns.
Range Check	Identifies if the base column data falls outside a specified range of a Minimum and Maximum value.

The controls are specific to reports. The Data Quality is defined in the DQ_CHECK_MASTER and DQ_GROUP_MAPPING tables.

NOTE The Data Quality rules are defined based on the Stage Table and Column mapped to a particular report.

9.3.2 User Roles and Actions

All the users are required to be mapped to **DGSAUTHGRP**, **DGSADMINGRP**, and **DGSANALYSTGRP** groups along with their respective individual groups.

The following is the user role for control viewer:

- **Control Viewer:** Allows the user to view an issue and create an action.

9.3.3 Control Creation through Batches

Perform the following steps to create a Control through Batches:

1. For control creation, the FSI_DGS_CONFIGURATION table has to be seeded first.

NOTE In the **N_LOOKUP_VALUE** column, you can modify the values in the CREATOR and the OWNER fields.

Figure 112: Control Creation through Batches

V_MODULE_NAME	V_LOOKUP_CODE	N_LOOKUP_VALUE	V_LOOKUP_CODE_DESC
CTL	COMMENT	The control has been newly created by system	Default Comments
CTL	CREATOR	DGSUSER	User who created this control
CTL	LOCALE	en_US	English
CTL	OWNER	DGSUSER	User to whom this control is assigned
CTL	UPDATE_COMMENT	DQ Updated -	Updation Comments

2. Execute the batch DGS_DQ_CTL_BATCH, this batch contains the entire task that needs to be executed for control. See the [APME \(APRA/RBI/MAS\) Run Chart](#).

9.3.4 Quality Control Assessment

Pre-Requisites

- For doing Control Assessment, the Control Execution Details must be present.
- Execution Details can be Data Quality or User Defined Parameters related.
- The Data Quality related parameters are available by default if Data Quality executions are done for that control.

Generate Assessments

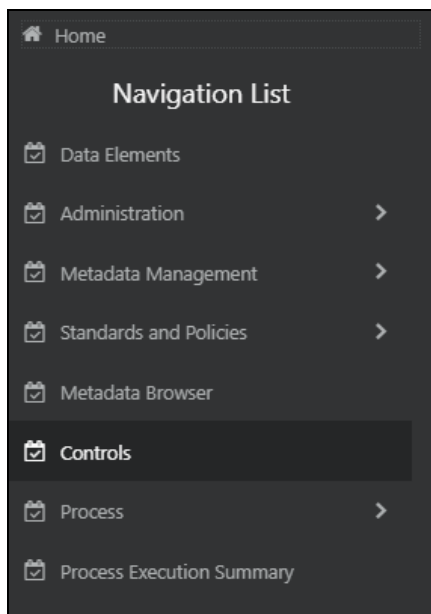
Execute the batch DGS_CONTROL_BATCH, this batch has all the task which needs to be executed for control. Refer to the [APME \(APRA/RBI/MAS\) Run Chart](#).

9.3.5 Viewing Controls

To view the controls, follow these steps:

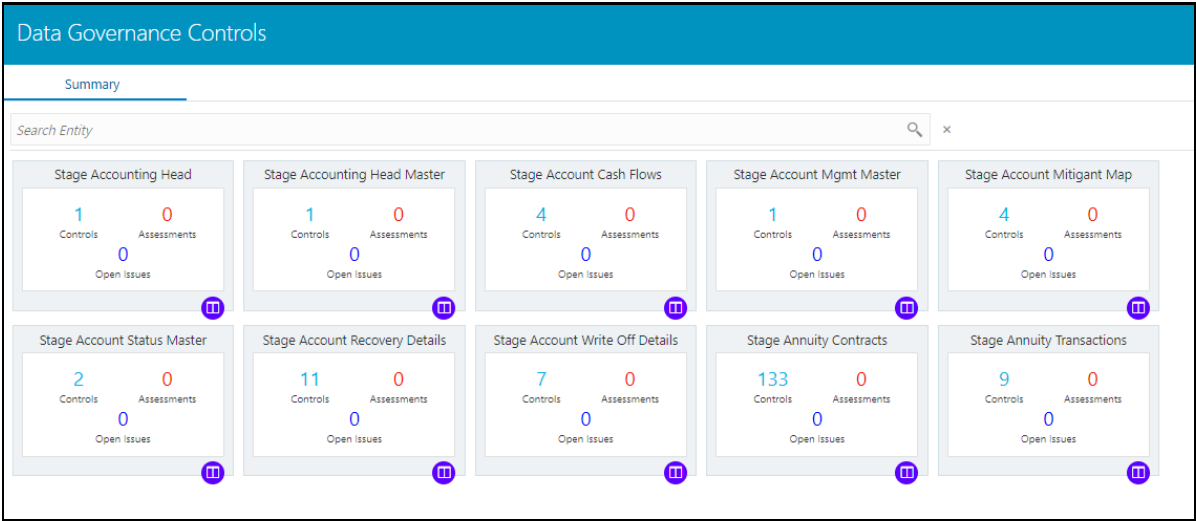
1. From **Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions** window navigate to **Controls**.

Figure 113: Controls



The **Control** summary window is displayed. After you execute the batch DGS_CONTROL_BATCH, the Control summary window displays the stage tables for which the controls are defined. It also displays the assessments and open issues if any.

Figure 114: Data Governance Controls




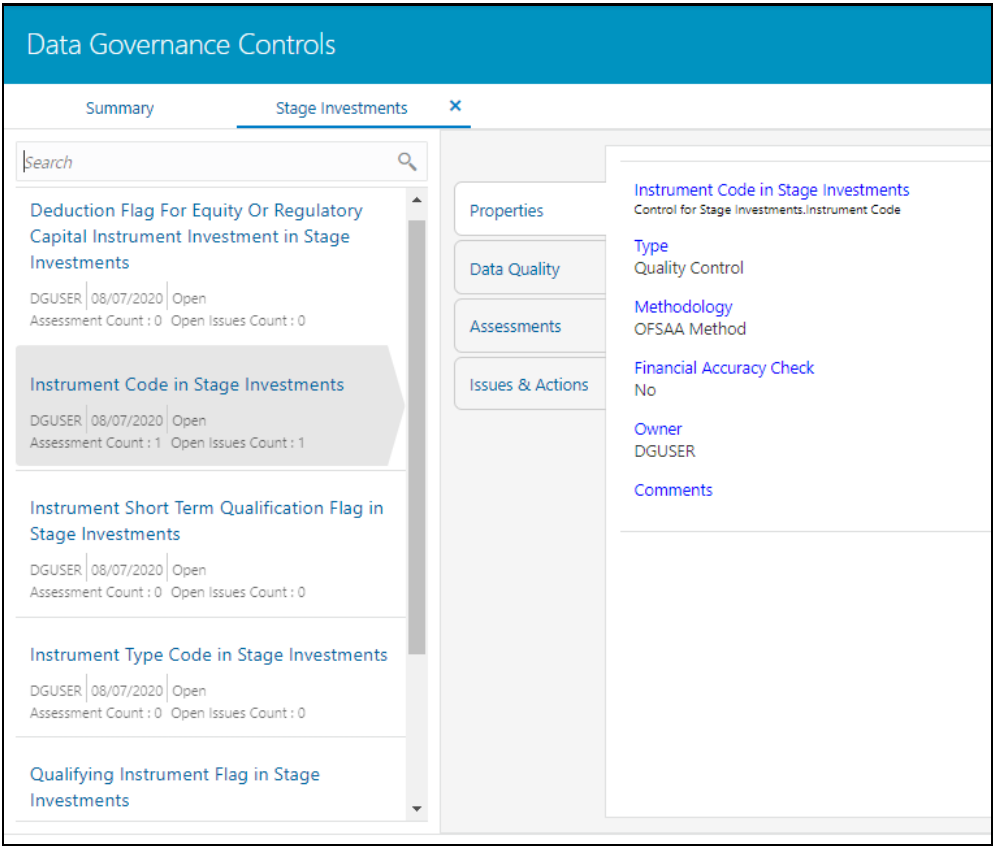
2. Select a stage table and then click  **View Controls** to view the details.
- For example, the stage table “Stage Investment” and control “Instrument Code in Stage Investments” is selected here.

Figure 115: Data Governance Controls – Stage investments



3. Click **Properties**, to view the control properties.

Figure 116: Data Governance Controls – Properties

Properties	Instrument Code in Stage Investments Control for Stage Investments.Instrument Code
Data Quality	Type Quality Control
Assessments	Methodology OFSAA Method
Issues & Actions	Financial Accuracy Check No
	Owner DGUSER
	Comments

The Control Information is displayed:

- **Name:** Name of the control
- **Type:** Type of Control – Quality Control
- **Methodology:** Method used – OFSAA Method
- **Financial Accuracy Check:** Yes or No
- **Owner:** Name of the Owner
- **Comments:** Add comments if any

4. Click **Data Quality**, to view the Data Quality information on which the control is created.

Figure 117: Data Governance Controls – Data Quality

Properties	DQCUSTACCT1995 Instrument Code column in Stage Investments table should be present
Data Quality	DQ Weight 50
Assessments	Attribute Instrument Code
Issues & Actions	Entity Stage Investments
	DQCUSTACCT4858 Instrument Code column in Stage Investments table should refer values from Instrument Code column present in Instruments Contracts Dimension table
	DQ Weight 50
	Attribute Instrument Code
	Entity Stage Investments

The Data Quality information is displayed:

- **Data Quality Name:** Name of the Data Quality contributing to the control.
- **Data Quality Weight:** Weight of the Data Quality contributing to the control. In case there is one Data Quality the number is 100. If there is more than one the number is divided to make it 100.

- **Attribute:** Name of the attribute on the entity column where the Data Quality is defined.
- **Entity:** Name of the stage table name.

5. Click **Assessments**, to view the Control Assessments.

Figure 118: Data Governance Controls – Assessments

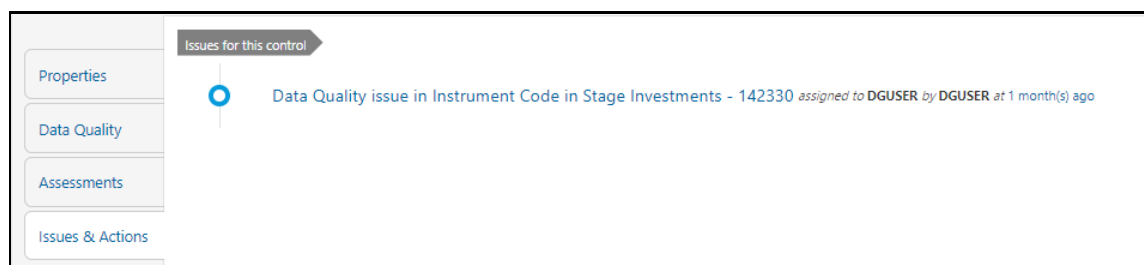


The Control Assessment information is displayed:

- **Effectiveness Score:** Control Assessment Score
- **Effectiveness Rating:** Control Assessment Rating. It can be Ineffective or Effective depending on the effectiveness score.
- **Effectiveness Status:** Control Assessment Status
- **Execution Date:** Assessment date and time

6. Click **Issues & Actions** to view the system-generated issues created for control.

Figure 119: Data Governance Controls – Issues & Actions



9.3.5.1 Editing an Issue

To edit an issue, follow these steps:


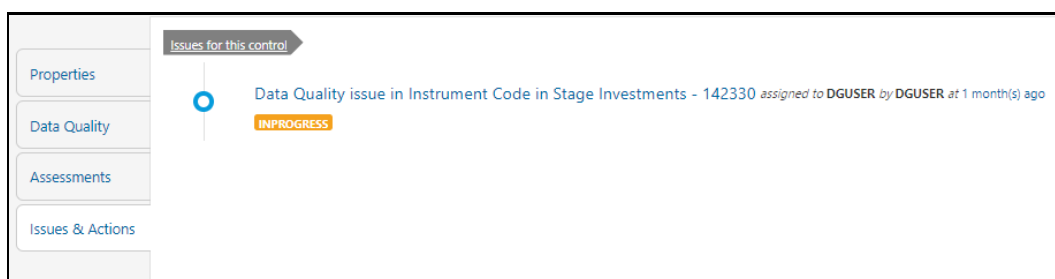
1. From **Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, window navigate to **Controls**.
2. Select a stage table and then click  **View Controls** to view the details.
3. Click **Issues & Actions**.
The system-generated issues for this control are displayed.

Figure 120: Data Governance Controls – Issues & Actions

4. Click the required issue to edit.

Figure 121: Data Governance Controls – Issues & Actions

5. You are allowed to modify the following parameters or fields:
 - a. **Description:** Enter the description.
 - b. **Category:** Select the Category from the drop-down list.
 - c. **Criticality:** Select the criticality of the issue.
 - d. **Target Date:** Select the target date from the Date Calendar.
 - e. **Component:** Component module for which the issue is created.
 - f. **Owner:** Name of the Owner.
 - g. **Status:** Status of the Issue.
 - h. **Comments:** Add comments if any for the issue.
6. After editing the required fields, click **Save**.

9.3.5.2 Creating an Action

The Issue Owner creates the required Actions for the system-generated Issue; also, the Issue Owner is the Data Adjustment Creator.

To create a new action for the system generated Issue, follow these steps:


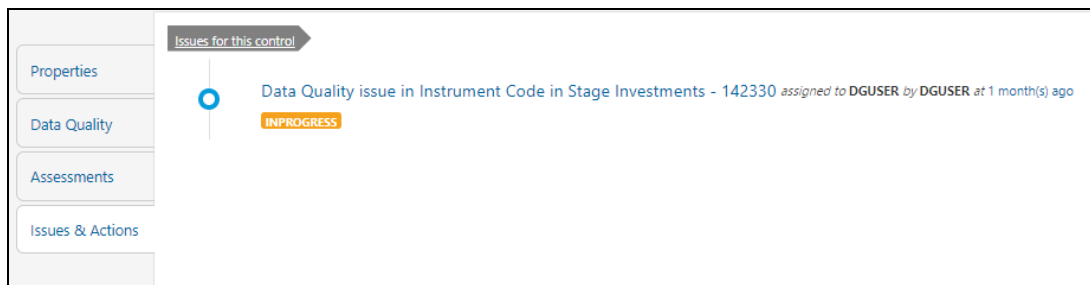
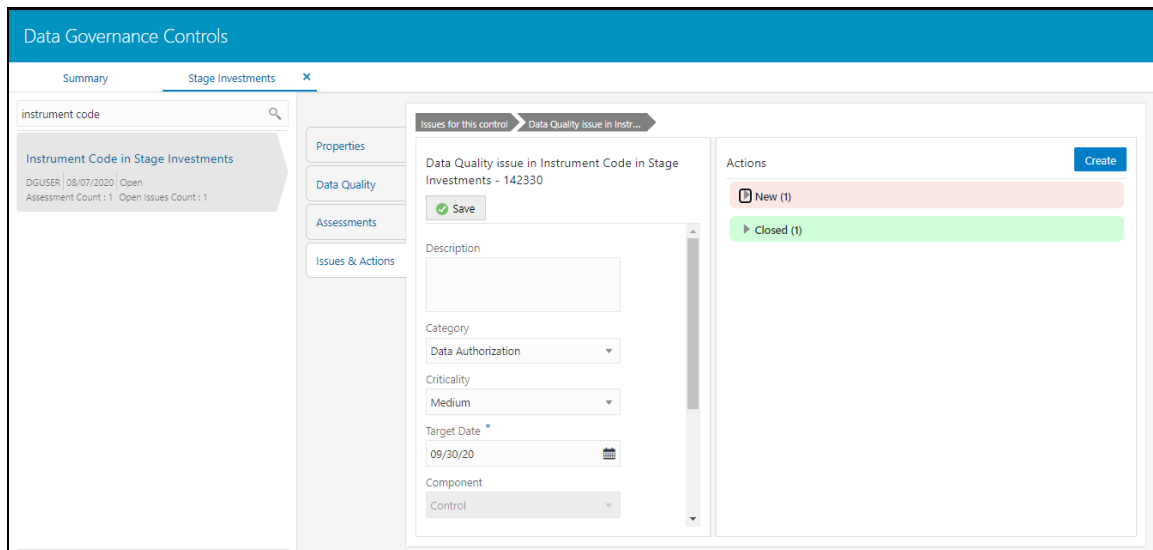
1. From **Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, window navigate to **Controls**.
2. Select a stage table and then click  **View Controls** to view the details.
3. Click **Issues & Actions**. The Issue for this control is displayed with the details.

Figure 122: Data Governance Controls – Issues & Actions



4. Click the required issue.
The **Actions** pane is displayed.

Figure 123: Data Governance Controls – Actions




5. To create an action, in the **Actions** section click **Create**.

Figure 124: Data Governance Controls – New Actions

The screenshot shows the 'Data Governance Controls' application. On the left, there's a sidebar with a search bar and a list of instrument types under the 'Stage Investments' tab. The main content area has a breadcrumb trail: 'Issues for this control' > 'Data Quality issue in Instr...' > 'New Action'. The form fields are as follows:

- Name:** Data Correction in Instrument Code
- Target Date:** 09/30/20
- Description:** Correcting the data in Instrument Code in Stage investments
- Action Type:** Data Adjustments - DQ errors
- Criticality:** Medium
- Start Date:** 09/20/20
- Owner:** DGSAPPR
- Status:** New
- Comments:** (empty text area)

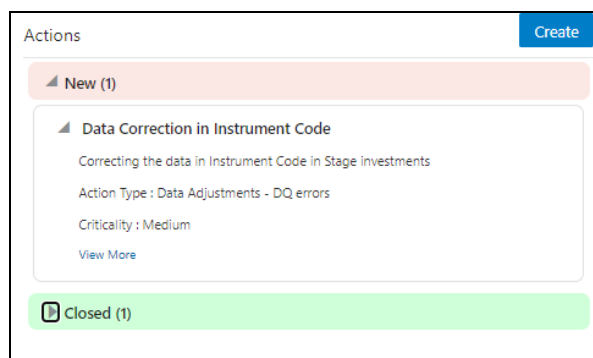
A 'Save' button with a green checkmark is located in the top right corner of the form.

6. Enter the **Name** and **Description**.
7. Select the **Action Type** from the drop-down list:
 - Data Adjustments - Data Quality errors
 - Data Adjustments - Others
 - Data Adjustments - Regulatory Reporting
 - Reconciliation Adjustments
 - Others
8. Select the **Criticality**:
 - High
 - Medium
 - Low
9. Choose the **Start Date** and **Target Date** from the Calendar . Action Start and Target Date must be within the Issue Target Date.
10. Select the action **Owner** name from the drop-down list.
11. Select the **Status** from the drop-down list:
 - a. New
 - b. InProgress
 - c. Closed
12. Enter **Comments** if any and click **Save**. A confirmation message is displayed *Action saved successfully*. This creates an action for a particular issue.

NOTE Based on the Action Type, the Data Adjustment Details Page is displayed during the Data Adjustments Process for Data Quality errors or any other errors.

13. When a new action is created it is listed under the **Actions** Section under the **New** status of the Issue. In the **Status** field, the issue can be closed when it is resolved, it is then moved to **Closed** status.

Figure 125: Data Governance Controls – New Actions



14. After an action is created, it is possible to create Data Adjustments.

9.3.6 Control Assessment Logic

Data Quality checks are grouped under the following types:

- **Data Quality Errors** – Percentage of records that have failed the data quality checks.
- **Data Quality Warning Flag** - Percentage of records that have passed but have a warning flag.
- **Data Quality Information Flags** - Percentage of records that are passed but have an information flag.
- **Defaults** - Percentage of records that are defaulted.

Configure the following three parameters in the DGS application to evaluate the Data Quality effectiveness:

- Threshold Score
- DQ Weight Percentage
- Parameter Weight Percentage

Threshold Score

The Threshold Score is the value configured to compare with the computed Total Control Score to evaluate the effectiveness or ineffectiveness of the Data Quality Control.

Table 23: Threshold Score

SI No.	Threshold Configuration	Weight
1	Threshold Score	50

DQ Weight Percentage

This value is configured based on the number of data quality checks mapped to a data quality control. For example, if there are four Data Quality Checks mapped, then the data quality weight percentage is as displayed as follows:

Table 24: DQ Weight Percentage

SI No.	Control ID	Data Quality ID	Weight
1	865675	E1_STC_STLMT_DAT_01	25%
		E1_STC_STLMT_DAT_02	25%
		E1_STC_STLMT_DAT_03	25%
		E1_STC_STLMT_DAT_04	25%

Parameter Weight Percentage

Data Quality Checks are tagged as Error/Warning/Information/Default and each of these is given a weightage. The values are configurable from the DGS application.

Table 25: Parameter Weight Percentage

SI No.	Data Quality Type	Weight
1	Data Quality Errors	20
2	Data Quality Warning Flag	30
3	Data Quality Information Flags	25
4	Defaults	25

Step 1.

Compute the **DQ Failure Percentage** for every single Data Quality in each Data Quality Type

DQ Failure - DQ1 Error = (Failed Record Count/Total Scan Record)*100

DQ Failure - DQ1 Warning = (Failed Record Count/Total Scan Record)*100

DQ Failure - DQ1 Information = (Failed Record Count/Total Scan Record)*100

DQ Failure - DQ1 Default = (Failed Record Count/Total Scan Record)*100

Step 2.

Compute the Cumulative Control Score

Control Score is the sum of **DQ Failure * Parameter Weight** for a DQ for each of the DQ Type multiplied into **DQ Weight Parameter**, likewise, compute for each DQ mapped to a DQ control. For Cumulative Control, Score adds Control Score for each DQ in a DQ control and then divides by 100.

Cumulative Control Score =

$$\begin{aligned}
& [[\text{DQ1 Error} * \text{Parameter Weight}] + [\text{DQ1 Warning} * \text{Parameter Weight}] + \\
& [\text{DQ1 Info} * \text{Parameter Weight}] + [\text{DQ1 Defaults} * \text{Parameter Weight}] * \\
& \text{DQ1 weight}] + \\
& [[\text{DQn Error} * \text{Parameter Weight}] + [\text{DQn Warning} * \text{Parameter Weight}] + \\
& [\text{DQn Info} * \text{Parameter Weight}] + [\text{DQn Defaults} * \text{Parameter Weight}] * \\
& \text{DQn weight}]] / 100
\end{aligned}$$

Step 3.

For each Data Quality control, the Total Control Score is computed as:

$$\text{Total Control Score} = 100 \text{ minus } (\text{Cumulative Control Score})$$

If the **Total Control Score** is equal to or above the **Threshold Score**, then the control is **effective**, and if below the **Threshold Score** it is Ineffective.

Data Quality Control Evaluation with GL Recon Validation

In case GL Recon Application is installed and measure data quality checks have financial validation check set as 'Y' then effective or ineffective evaluation is as follows:

Table 26: Data Quality Control Evaluation with GL Recon Validation

SI No.	Data Quality Control Validation	Status
1	IF GL Recon is installed, all reconciliations are passed, and the Total Control score is equal to or above the configured threshold	Control Effective
2	IF GL Recon is installed, any reconciliations fail, and the Total Control score is above the configured threshold.	Control Ineffective
3	IF GL Recon is installed, all reconciliations are passed, and the Total Control score is below the configured threshold.	Control Ineffective
4	IF GL Recon is installed, any reconciliations fail, and the Total Control score is below the configured threshold.	Control Ineffective

9.3.7 Editing an Issue

To edit an issue, follow these steps:


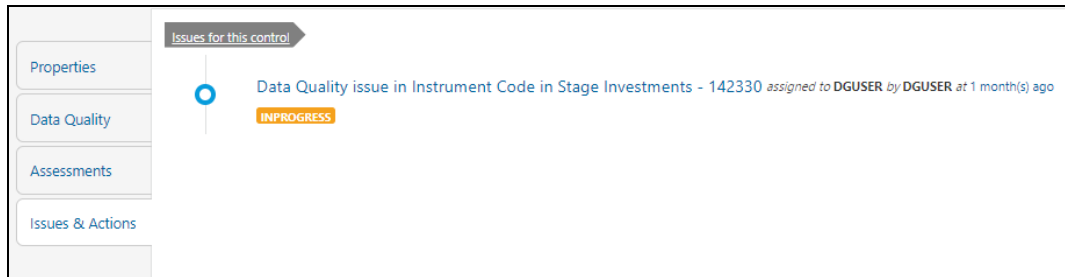
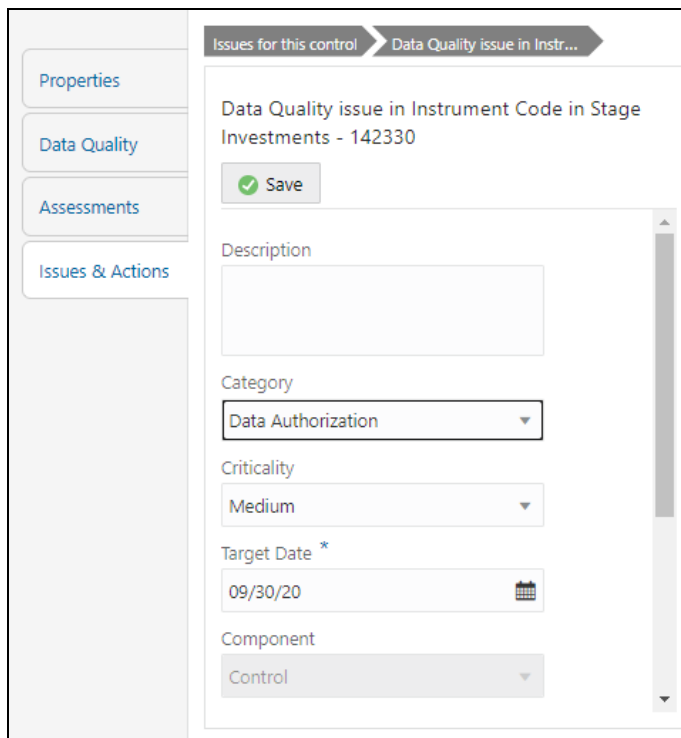
1. From **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** window navigate to Controls.
2. Select a stage table and then click  View Controls to view the details.
3. Click Issues & Actions. The system-generated issues for this control are displayed.

Figure 126: Data Governance Controls – Issues & Actions




4. Click the required issue to edit.

Figure 127: Data Governance Controls – Issues & Actions



5. Enter the **Description**.
6. Select the **Category** from the drop-down list:
 - **Data Authorization**
 - **Data Privacy**

- **Data Security**
 - **Data Accuracy**
 - **Data Availability**
7. Select the Criticality:
 - High
 - Medium
 - Low
 8. Choose the Target Date from the Calendar .
 9. Enter Comments if any.
 10. Select a file or drag and drop a file to **Attach** a document.
 11. Click **Save**. A confirmation message is displayed: Issue is saved successfully. This creates an issue for the particular action.

9.3.7.1 Creating an Action

The Issue Owner creates the required Actions for the system-generated Issue. Additionally, the Issue Owner is the Data Adjustment Creator.

To create a new action for the system-generated Issue, follow these steps:


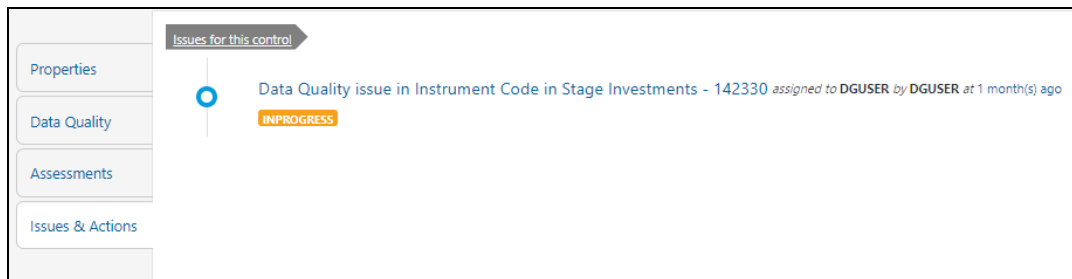
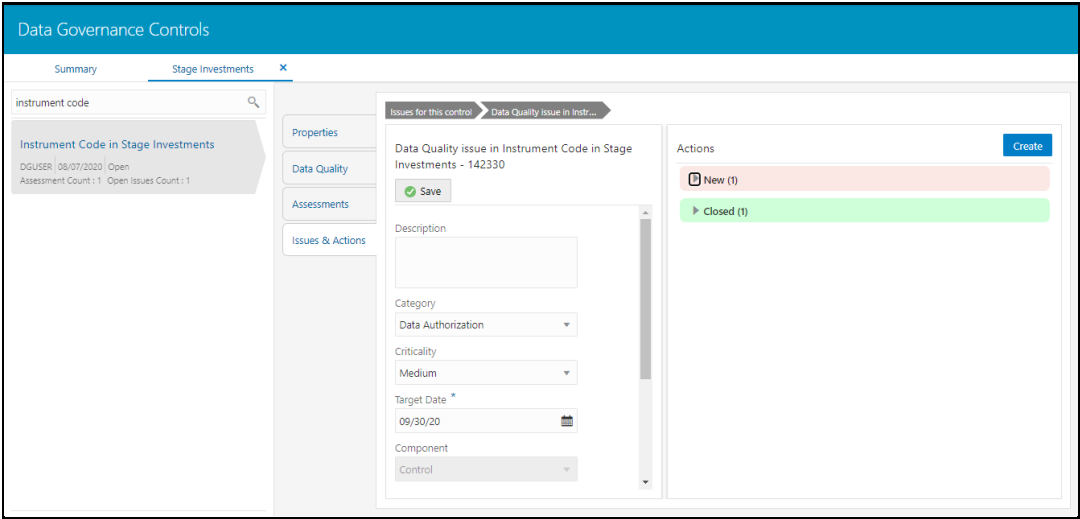
1. From the **Financial Services Data Governance Studio** window, navigate to Controls.
2. Select a stage table and then click  View Controls to view the details.
3. Click Issues & Actions. The Issue for this control is displayed with the details.

Figure 128: Data Governance Controls – Issues & Actions




4. Click the required issue. The Actions pane is displayed.

Figure 129: Data Governance Controls – Actions



5. To create an action, in the Actions section click Create.

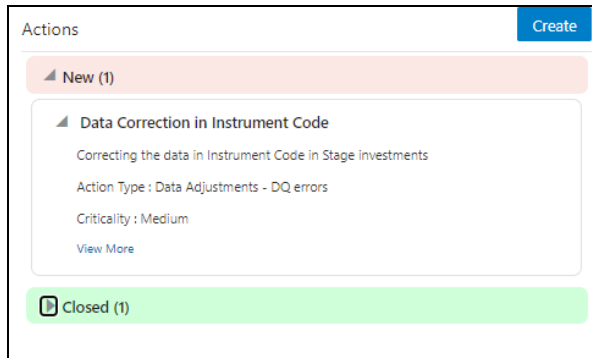
Figure 130: Data Governance Controls – New Actions

6. Enter the **Name** and Description.
7. Select the Action Type from the drop-down list:
 - a. **Data Adjustments - DQ errors**
 - b. **Data Adjustments - Others**
 - c. **Data Adjustments - Regulatory Reporting**
 - d. **Reconciliation Adjustments**
 - e. **Others**
8. Select the Criticality:
 - a. **High**
 - b. **Medium**
 - c. **Low**
9. Choose the Start Date and Target Date from the Calendar . Action start and target date must be within the Issue target date.
10. Select the action Owner name from the drop-down list.
11. Select the Status from the drop-down list:
 - a. New
 - b. InProgress
 - c. Closed
12. Enter Comments if any and click **Save**. A confirmation message is displayed: Action saved successfully. This creates an action for the particular issue.

NOTE Based on the Action Type, the Data Adjustment details page is displayed during the Data Adjustments process for DQ errors or any other errors.

13. Select a file or drag and drop a file to **Attach** a document.
14. When a new action is created, it is listed under the Actions section under New status of the Issue. In the Status field, the issue can be closed when it is resolved. It is then moved to Closed status.

Figure 131: Data Governance Controls – New Actions



15. After an action is created, it is possible to create Data Adjustments. See section [Data Adjustments](#) for details.

9.3.7.2 User Roles and Actions

All the users are required to be mapped to the following user groups and user roles:

Table 27: User Group

Group Code	Group Name
DGAPPGRP	DGS App Menu Group

Table 28: User Role

Role Code	Role Name
KITHRSLD	KI Threshold Config Role
DGADMINR	DG Administration

10 Key Indicator Threshold

The Key Indicator Threshold Feature allows the user to define the Alert Threshold Percentage Value for individual MDRMs. The MDRM Alert Threshold Value is used to compare with the Variance Breach Percentage Value to classify the MDRM is breached or not.

10.1 Configuring Key Indicator Threshold

To Control the Assessment Parameters, follow these steps:

1. From **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** Window navigate to **Administration** and select **Key Indicator Threshold**.

The **Key Indicator Threshold** Window is displayed.

Figure 132: Key Indicator Conditions

Report	Schedule	Cell Reference	Key Indicator Condition	Type	Alert Threshold(%)	Threshold Amount
FFIEC-041	RI-B	RIADK206	Charge-Offs And Recoveries Through The Allocated Transfer Risk Reserve - Loans To Individuals For Household, Family, And Other Personal Expenditures: Other (Includes Revolving Credit Plans Other Than Credit Cards And Other Consumer Loans) - Recoveries - Amount	Variance-Based	10	10,000
FFIEC-041	RI-B	RIADK205	Charge-Offs And Recoveries Through The Allocated Transfer Risk Reserve - Loans To Individuals For Household, Family, And Other Personal Expenditures: Other (Includes Revolving Credit Plans Other Than Credit Cards And Other Consumer Loans) - Charge-Offs - Amount	Variance-Based	10	10,000
FFIEC-041	RI-B	RIADK133	Charge-Offs And Recoveries Through The Allocated Transfer Risk Reserve - Loans To Individuals For Household, Family, And Other	Variance-Based	10	10,000

2. In the Key Indicator Conditions Window, select the required Report, Schedule, and Cell.
3. Edit the **Alert Threshold (%)** value (percentage from 0 -100) and the required **Threshold Amount**.
4. Click **Save**.

11 DGS Application Configuration

In DGS Application Configuration, the Assessment Methodology can be selected based on the required logic. The RAG Value is computed, and the Breach Status is identified. The RAG Value is computed for the threshold percentage and the amount based on the options configured to derive the Breach Status Value.

11.1 User Roles and Actions

All the users are required to be mapped to the following user groups and user roles:

Table 29: User Group

Group Code	Group Name
DGAPPGRP	DGS App Menu Group

Table 30: User Role

Role Code	Role Name
DGAPPCONF	DGS Application Conf Role
DGADMINR	DG Administration

11.2 Configuring DGS Application Configuration

To configure DGS Application Configuration, follow these steps:

1. From **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** Window navigate to **Administration** and select **DGS Application Configuration**.

The **DGS Application Configuration** Window is displayed.

Figure 133: DGS Application Configuration

2. Select **Assessment Methodology** for Breach Computation:
 - a. **Percentage:** In case you select variance based on Percentage, the cells will either Breach/Not breach based on the percentage set.

- b. **Amount:** In case you select variance based on Amount, the cells will either Breach/Not breach based on the amount set.
- c. **Amount AND Percentage:** In case you select variance based on Amount and Percentage, the cells will Breach only when both Percentage AND Amount fail.

For example, when Threshold amount is 50,000 and Threshold Percentage is 5% the following are the computations:

- v. If MDRM % Variance is 5 % (PASS) and \$ Variance is 50,000(PASS) - **Not Breached**
- vi. If MDRM % Variance is 15% (FAIL) % and \$ Variance is 50,000 (PASS) - **Not Breached**
- vii. If MDRM % Variance is 5% (PASS% and \$ Variance is 150,000 (FAIL) - **Not Breached**
- viii. If MDRM % Variance is 15% (FAIL) % and \$ Variance is 150,000 (FAIL) - **Breached**

- d. **Amount OR Percentage:** In case you select variance based on Amount or Percentage, the cells will Breach only when one Percentage OR Amount fail.

For example, when Threshold amount is 50,000 and Threshold Percentage is 5% the following are the computations:

- ix. If MDRM % Variance is 5 % (PASS) or \$ Variance is 50,000(PASS) - **Not Breached**
- x. If MDRM % Variance is 15% (FAIL) % or \$ Variance is 50,000 (PASS) - **Breached**
- xi. If MDRM % Variance is 5% (PASS% or \$ Variance is 150,000 (FAIL) - **Breached**
- xii. If MDRM % Variance is 15% (FAIL) % or \$ Variance is 150,000 (FAIL) - **Breached**

3. Click **Save**.

NOTE

There is no restriction for the Assessment Methodology. Depending on the business needs you can change the methodology as and when required.

In case the methodology is changed, the assessments done are based on the new option selected.

12 Inbox

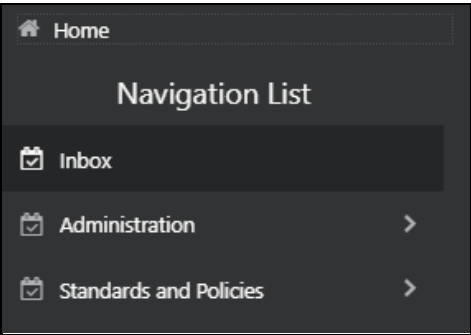
It is possible to log an issue and view the tasks, issues, and actions created in the application under the Inbox menu. Inbox displays the summary of issues and actions performed over the last 14 days.

12.1 Logging an Issue

To log an issue or view or create tasks, issues, and actions, perform the following steps:

- 1. From **Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions** and then click **Go To Tasks**.

Figure 134: Inbox



The Inbox Summary window is displayed with the list of tasks, issues, and actions.

Figure 135: Inbox Summary

Name	Status	Type	Source	Created	Last Modified	Action
<input type="checkbox"/> Data Quality issue in Undrawn Amount in Stage Loan Contracts - 335617	Closed	Issue	Control	OPSAD 2021-02-23 12:43:16	OPSAD 2021-02-23 12:43:16	...
<input type="checkbox"/> Data Quality issue in Credit Status Code in Stage Loan Contracts - 335591	New	Issue	Control	OPSAD 2021-02-23 12:43:15	OPSAD 2021-03-10 13:26:47	...
<input type="checkbox"/> Data Quality issue in Revised Maturity Date in Stage Loan Contracts - 335608	New	Issue	Control	OPSAD 2021-02-23 12:43:15	OPSAD 2021-02-23 12:43:15	...
<input type="checkbox"/> Data Quality issue in Purchased Or Originated Credit Impaired Account Flag in Stage Cards - 335607	New	Issue	Control	OPSAD 2021-02-23 12:43:15	OPSAD 2021-02-23 12:43:15	...
<input type="checkbox"/> Data Quality issue in Interest Rate Code in Stage Cards - 335594	New	Issue	Control	OPSAD 2021-02-23 12:43:15	OPSAD 2021-03-12 13:55:21	...
<input type="checkbox"/> Data Quality issue in Annual Percentage Rate Reset Type Code in Stage Cards - 335593	New	Issue	Control	OPSAD 2021-02-23 12:43:15	OPSAD 2021-02-23 12:43:15	...
<input type="checkbox"/> Data Quality issue in Purchased Or Originated Credit Impaired Account Flag in Stage Loan Contracts - 335585	New	Issue	Control	OPSAD 2021-02-23 12:43:14	OPSAD 2021-03-12 17:11:53	...


- 2. Click  icon to log an issue. The create window is displayed.

Figure 136: Create Issue

Create Issue Cancel Save

Name *

Execution Date *

Description

Source
Key Indicators

Category
Data Authorization

Owner



Criticality
Medium

Comments

Target Date *

Attach Documents

Drag and Drop +
Select a file or drop one here.

- a. Enter Issue **Name** and **Description**.
 - b. Select the **Category** from the drop-down list:
 - i. **Data Authorization**
 - ii. **Data Privacy**
 - iii. **Data Security**
 - iv. **Data Accuracy**
 - v. **Data Availability**
 - vi. **Timeliness**
 - c. Select the Criticality:
 - i. **High**
 - ii. **Medium**
 - iii. **Low**
 - d. Choose the **Target Date** from the Calendar .
 - e. Choose the **Execution Date** from the Calendar .
 - f. Select the **Source** from the drop-down list:
 - i. **Key Indicators**
 - ii. **Controls**
 - g. Select the **Owner** from the drop-down list.
 - h. Enter **Comments** if any.
 - i. Select a file or drag and drop a file to **Attach** a document.
 - j. Click **Save**.
A new issue is created and is displayed under the Inbox Summary Screen.
3. Click an existing issue.

The following window is displayed.

Figure 137: Issues

The screenshot shows a window titled "Issues\" with a subtitle "Data Quality issue in Credit Status Code in Stage Loan Contracts - 335591". At the top, it indicates "New", "Created by OFSAD 18 days ago", and "Last Updated by OFSAD 3 days ago". A red status icon and "Past due date" are also visible. On the left, a sidebar lists "Activity", "Details", "Actions", and "Controls". The main content area shows a list of comments from "OFSAD Commented" with timestamps: "Issue updated" (3 days ago), "Credit Status in Stage Loan Contracts" (17 days ago), "Action for Credit Status in Stage Loan Contracts" (17 days ago), and "NA" (18 days ago).

- Click **Activity**. Any comment that gets logged for an issue is displayed here.
- Click **Details**. See section [Editing an Issue](#) for information.
- Click **Actions**. See section [Creating an Action](#) for information.
- Click **Controls**. You can create an action for an existing issue.


- Select an issue and click . The **Control** Window is displayed with the control details that can be linked to the issue.


Figure 138: Controls

The screenshot shows a window titled "Controls" with a search bar at the top right. A list of controls is displayed, each with a checkbox and a description:

- ☐ Insurance Payout Type in Stage Product Master
Control for Stage Product Master:Insurance Payout Type
- ☒ Transaction Date in Stage Forex Account Transactions
Control for Stage Forex Account Transactions:Transaction Date
- ☒ Beneficial Owner Category in Stage Party Master
Control for Stage Party Master:Beneficial Owner Category
- ☒ Extraction Date in Stage Musharakah Transaction
Control for Stage Musharakah Transaction:Extraction Date
- ☐ Us Indicia in Stage Party Master
Control for Stage Party Master:Us Indicia
- ☐ Securitisation Pool Type Code in Stage Option Contracts
Control for Stage Option Contracts:Securitisation Pool Type Code
- ☐ Extraction Date in Stage Channel Master
Control for Stage Channel Master:Extraction Date
- ☐ Discount Day Count Indicator in Stage Credit Derivatives

 At the bottom right, there are "Link" and "Cancel" buttons.

- Select the controls and click **Link**. At any point in time, you can search for control in the search field.

6. Select an issue or an action and click . A confirmation message is displayed. Click 'Yes' to delete or click No to cancel the deletion.

Note that, it is possible to delete an issue or an action that is in status 'New' and it is not possible to delete a closed issue or an action.


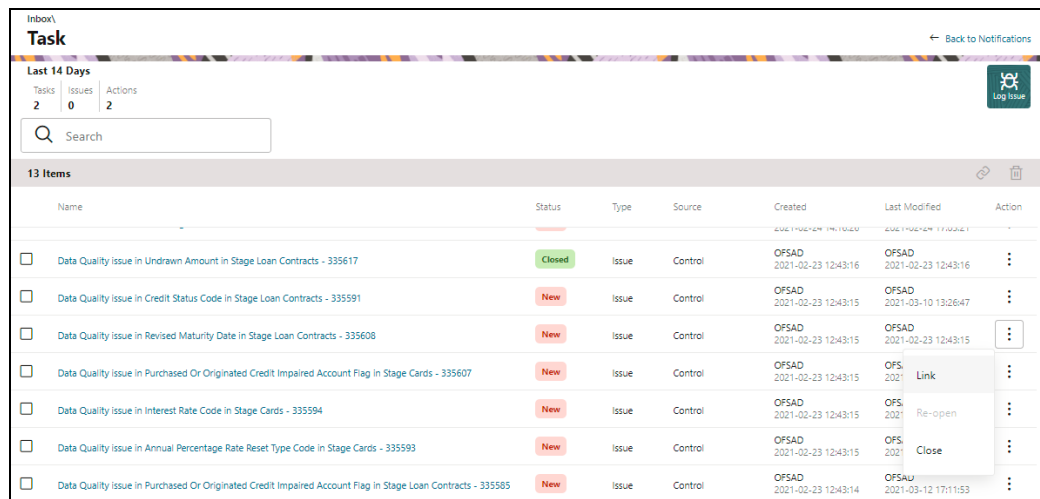
7. Click  against the required issue or an action to perform one of the following.

Figure 139: Task



Name	Status	Type	Source	Created	Last Modified	Action
<input type="checkbox"/> Data Quality issue in Undrawn Amount in Stage Loan Contracts - 335617	Closed	Issue	Control	OFSAD 2021-02-23 12:43:16	OFSAD 2021-02-23 12:43:16	⋮
<input type="checkbox"/> Data Quality issue in Credit Status Code in Stage Loan Contracts - 335591	New	Issue	Control	OFSAD 2021-02-23 12:43:15	OFSAD 2021-03-10 13:26:47	⋮
<input type="checkbox"/> Data Quality issue in Revised Maturity Date in Stage Loan Contracts - 335608	New	Issue	Control	OFSAD 2021-02-23 12:43:15	OFSAD 2021-02-23 12:43:15	⋮
<input type="checkbox"/> Data Quality issue in Purchased Or Originated Credit Impaired Account Flag in Stage Cards - 335607	New	Issue	Control	OFSAD 2021-02-23 12:43:15	OFS 2021	Link ⋮
<input type="checkbox"/> Data Quality issue in Interest Rate Code in Stage Cards - 335594	New	Issue	Control	OFSAD 2021-02-23 12:43:15	OFS 2021	Re-open ⋮
<input type="checkbox"/> Data Quality issue in Annual Percentage Rate Reset Type Code in Stage Cards - 335593	New	Issue	Control	OFSAD 2021-02-23 12:43:15	OFS 2021	Close ⋮
<input type="checkbox"/> Data Quality issue in Purchased Or Originated Credit Impaired Account Flag in Stage Loan Contracts - 335585	New	Issue	Control	OFSAD 2021-02-23 12:43:14	OFSAD 2021-03-12 17:11:53	⋮

- a. If an **Issue** is in:
 - i. **New** State, you can link or close an issue.
 - ii. **Closed** State, you can re-open an issue.
 - iii. **Re-open** State, you can close the issue.
- b. If an **Action** is in:
 - i. **New** State, you can close an action.
 - ii. **Closed** State, you can re-open an action.
 - iii. **Re-open** State, you can close the action.

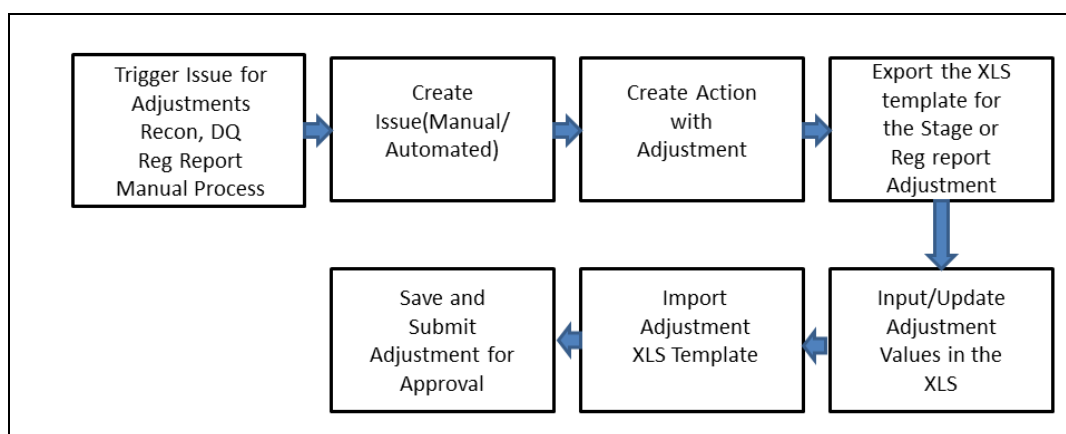
13 Data Adjustments

The Adjustment framework is a capability that is used to modify, as per business requirements, or correct issues, that have been found by various OFSAA components, in available data within FSDF. The adjustments are created when an issue and action are created. In turn, they are then used to track and report any operation that is performed on the data. All adjustments that are created must be executed through a batch.

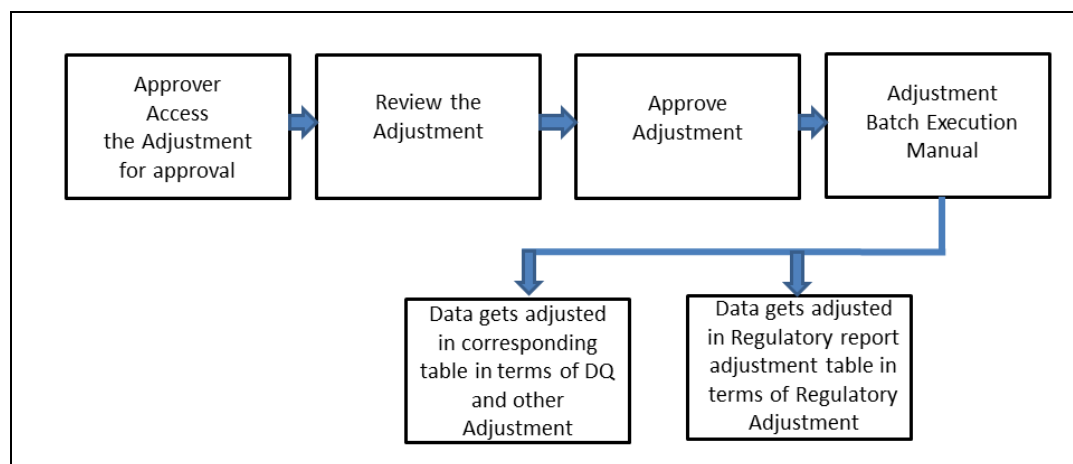
The Data Adjustment process is illustrated in the following diagram:

For an Adjustment Creator:

Figure 140: Data Adjustment Process



1. The issue is triggered for adjustments.
2. An issue is created.
3. An action is created with the adjustment.
4. The adjustment is configured and the template for the stage or the regulatory reporting template is exported.
5. The Excel template is updated with the required inputs.
6. The adjustment is then imported.
7. The adjustment is saved and submitted for approval to the Data Adjustment Approver.

For an Adjustment Approver:**Figure 141: Data Adjustment Process**

8. The data adjustment Approver accesses the saved adjustment.
9. The data adjustment is reviewed.
10. The data adjustment is approved.
11. The batch is executed manually for the data adjustment.
12. If the data adjustment type is regulatory reporting, then the data is adjusted in the regulatory report adjustment table as per the data present in the regulatory reporting data adjustment.
- OR
13. In the case of other data adjustment types, the data is adjusted in the corresponding tables as per the data in the data adjustment.

Types of Data Adjustments

You can create an issue for various reasons; lack of data accuracy, unavailable data, etc. Issues for these scenarios can be created for Controls or Key Indicators. After the issue is created, appropriate actions must be created with the associated Adjustment rules to resolve problems in the data. The adjustment process does not modify the data received from the source system; instead, it creates a new version of the record that is based on the load run ID. This ensures that FSDF always contains the original and all adjusted copies of the data for auditing and record keeping.

The supported action types are as follows:

- **Data Adjustments – DQ Errors**

When a predefined Data Quality rule associated with a field in which control has breached the threshold occurs, a system-generated issue is created to highlight the data quality failure.

Reconciliation Adjustments

The adjustments to resolve reconciliation failures can be set in a system that contains the DG and Reconciliation framework within the same Infodomain. When a predefined Reconciliation rule fails, a system-generated issue is created. After the issue is updated, you can create an action.

Data Adjustment – Others

These adjustments are set for known data issues for a set period than for scheduled executions or checks. An example of this scenario: a legacy source system that is unable to perform a transformation required by OFSAA due to cost or any other reasons. It is easier to adjust the data within OFSAA rather than in the source system.

- **Data Adjustments – Regulatory Reporting**

You can set the adjustments to perform at the level of a reporting attribute than within the staging area. This adjustment enables you to create last-mile data corrections at the MDRM level.

Others

This is used for any other online or offline action that is to be performed to resolve a specific issue. These actions are created to maintain and track all efforts made to resolve an issue. They enable you to follow an issue to its closure, for reporting purposes, etc. This action type has no impact on adjustments.

NOTE These adjustments are only available for existing customer accounts or MDRM codes.

13.1 User Roles and Actions

All the users are required to be mapped to the following user groups:

Table 31: User Group

Group Code	Group Name
ADJCREATGRP	Adjustment Create
ADJAPPGRP	Adjustment Approver

- NOTE**
- The Adjustment Creator and Approver group must not be assigned to a single user.
 - Adjustment Create user must be mapped to ADJCREATGRP.
 - Adjustment Approver user must be mapped to ADJAPPGRP.

13.1.1 Actions Performed by Users

The actions that can be executed by specific user roles in the OFS DG application for Data Adjustment are:

Table 32: Actions Performed by Users

Action Performed	User Role
------------------	-----------

In the automated process, an Issue is generated by the system.	Assigned to the Issue Owner.
Creating Action for the system-generated Issue.	By the Issue Owner.
Creating Data Adjustment.	By the Action Owner.
Submitting Data Adjustment.	By the Action Owner (must contain the Adjustment creator role).
Data Adjustment Approval.	By the Issue Owner (must contain the Adjustment approver role).

NOTE

You must follow the sequence of steps described in the following sections.

13.2 Settings for Data Adjustments

The Issue Owner (Action Creator) may change ownership when required. The Issue Owner creates an Action of type Data Adjustment for this system-generated Issue and assigns it to the Action Owner. As a result, in Actions, the Data Adjustment grid appears. The Action Owner (Adjustment Creator) then creates the required Data Adjustment and makes data corrections for the failed Data Quality.

The Adjustment Creator submits Data Adjustment to the Adjustment Approver (Issue Owner). After the Issue Owner approves all the Data Adjustment definitions, the Data Adjustments are grouped in a Batch and executed at the level of that Issue. After the successful execution of these Data Adjustments, the Action Owners must mark the Action progress to 100% or mark the Action as completed.

13.2.1 Prerequisites for Data Adjustments

NOTE

For Regulatory Reporting before creating a Regulatory Reporting Data Adjustment, you can execute a KI assessment.

- Set the N_lookup_value ='Y' against v_lookup_code=' PRE_POST_ADJ_AUDIT_LOG' in the table fsi_dgs_configuration. This enables the **View Adjustment Details** in the **Issue & Action** screen, where you can view the pre and post-adjustment data.
- An Action must be created for the system-generated Issues. See section, [Creating an Action](#) for details.

13.3 Creating a Data Adjustment

The Action Owner is the Data Adjustment Creator. The Actions are of type Data Adjustment. Therefore, the Data Adjustment grid appears in this section.

NOTE

If you have selected the Action Type as Others, then the Adjustments section does not appear.

To create a Data Adjustment, follow these steps:


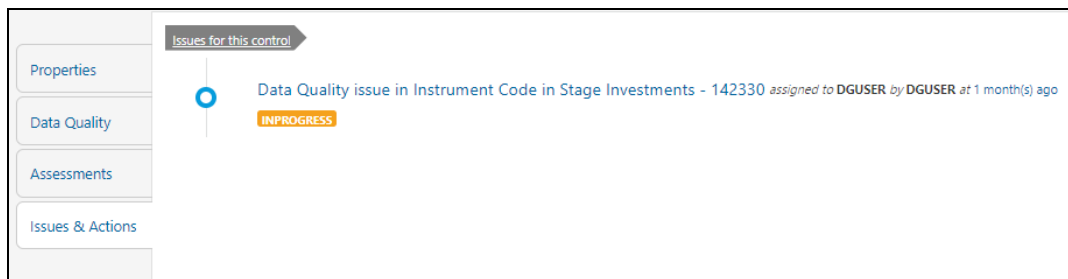
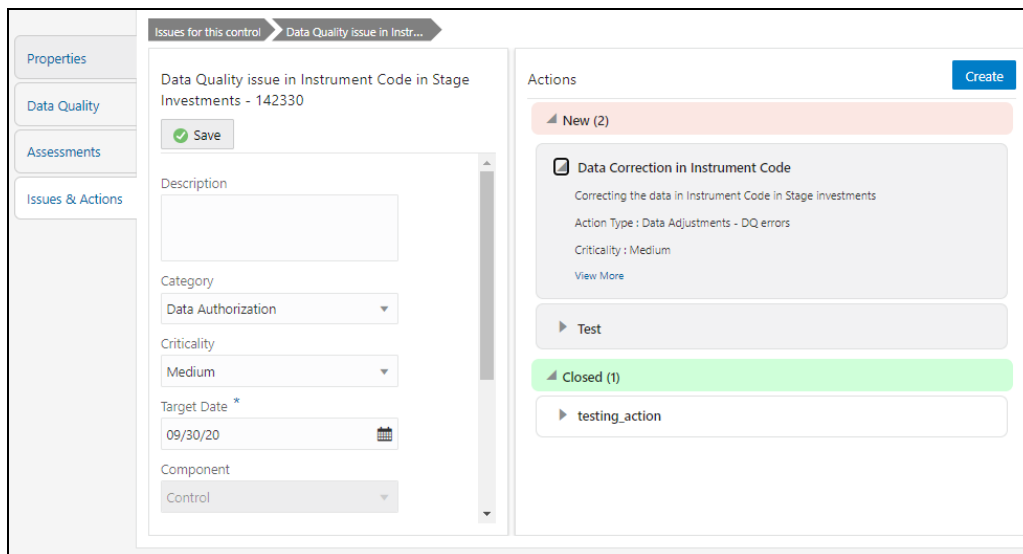
1. Log in to the application as the Action Owner (Data Adjustment Creator).
2. From **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** window navigate to Controls.
3. Select a stage table and then click  View Controls to view the details.
4. Select a Control that has open Issues from the LHS Menu and then select the Control.
5. Click Issues & Actions.
6. In the **Issues** for this control, click the required system-generated Issue **ID**.
The Actions section is displayed.

Figure 142: Issues & Actions



7. In the Actions, select the required issue to View More **details**.
The Data Adjustments section is displayed.

Figure 143: Issues & Actions



8. In the **Data Adjustments** section, click **Create**.
The Adjustment Rule Details window is displayed.

Figure 144: Issues & Actions

9. Depending on the type of adjustment, create a data adjustment.

For details see, sections:

- a. [Create a Data Adjustment - DQ Errors based Data Adjustment](#)
- b. [Create a Data Adjustment - Business based Adjustment](#)
- c. [Create a Data Adjustment - Regulatory Reporting based Adjustment](#)

13.3.1 Create a Data Adjustment - Data Quality Errors based Data Adjustment

To create a data adjustment for the action type Data Adjustments - Data Quality Errors, follow these steps:

1. From the Issues & **Actions** page, under an action created, click **View More**.
2. On the Data Adjustment page, click Create.
The Adjustments Rule Details window is displayed.
3. In the **Adjustment Rule Details** window, enter values in the **Name** and **Description** fields.

Figure 145: Issues and Actions

4. Select the Assignment Type as either **User Input** or **Rule Driven**.

5. For **User Input**: The **Select Entity** and **Select DQ** are auto-populated. However, you have an option to select a different DQ if it has multiple DQs.
 - a. Click **Next**.
 - b. Select **Add Attribute**.
 - c. In the **Add Attribute** window, in the Line Item, Target Attribute drop-downs, select the required values and then click **OK**.
 - d. Click **Next**, and then click **Save**.
 - e. In the **Manual Data** section, select **Export**. If the `/ftpshare` folder does not have the sub-folders `DGS/dgsexport`, user should create these folders before selecting Export.
Run the following command to create the folder:

```
mkdir -p DGS/dgsexport
```


And give permission to this folders by using the following command:

```
chmod -R 775 DGS
```
 - f. In the **Export** window, in the **MIS Date** section, select a date for which the data is available, and then click **Export**.
 - g. Save the Excel file to your system.
 - h. Enter values in the required rows and then save the Excel.
 - i. In the **Manual Data** section, in the **ID** column, select the required ID and then click **Import**.
 - j. In the **Import** window, attach the Excel that you added data to, and then click **Upload**.
 - k. Click **Import**.
 - l. Click **Submit** if you want to send the **Data Adjustment** for approval or click **Save**.
6. For **Rule Driven**:
 - a. To go to the next section, click **Next** or click **Dataset**.
 - b. In the **Select DQ** dropdown box, select the required Data Quality value.
This Data Adjustment is being created for this failed Data Quality.
 - c. Click **Next**.
 - d. Click **Add Expression**.
 - e. Select a value from the drop-down box for **Column**.

NOTE You can ignore the **Lookup** section.

- f. Enter values in the following fields:

Table 33: Add Expression Fields

Field	Description
-------	-------------

String	Select a value from the drop-down box.
Date and Time	Select a value from the drop-down box.
Aggregate	Select a value from the drop-down box.
Others	Select a value from the drop-down box.
Mathematical	Select a value from the drop-down box.
Concatenation	Select a value from the drop-down box.
Mathematical operators	Select a value from the drop-down box.
Others	Select a value from the drop-down box.
Comparison	Select a value from the drop-down box.
Logical Operators	Select a value from the drop-down box.
Expression	Enter an expression.

g. Click **OK** and click **Next**.

h. In the **Review and Save** section, click **Save**.

The Data Adjustment for the action is created.

13.3.2 Create a Data Adjustment - Business based Adjustment

To create a data adjustment for the action type Data Adjustments - Others, perform the following steps:

1. From the **Issues & Actions** page, under an action created, click **View More**.
2. On the **Data Adjustment** page, click **Create**. The Adjustments Rule Details window is displayed.
3. In the **Adjustment Rule Details** window, enter values in the **Name** and **Description** fields.

Figure 146: Adjustment Rule Details

The screenshot shows the 'Adjustment Rule Details' window. At the top, there is a breadcrumb 'Home > Adjustment Rule Details' and a progress bar with four steps: 1 (Name), 2 (Dataset), 3 (Details), and 4 (Review & Save). The 'Name' step is currently active. Below the progress bar, the 'Adjustment Definition' section is expanded, showing fields for 'Name' and 'Description'. The 'Name' field has a red asterisk indicating it is required. Below these fields, the 'Type' section is expanded, showing 'Adjustment Type' set to 'Business Based' and 'Assignment Type' with radio buttons for 'User Input' and 'Rule Driven' (which is selected). A 'Cancel' button is located at the bottom right of the window.

4. Select the Assignment Type as either **User Input** or **Rule Driven**.
5. For User Input:

- a. In the **Adjustment Entity** drop-down, select the entity or table for which the adjustment must be performed.
- b. In the **Select Filter** section, enter values in the following fields:

Table 34: Select Filter Fields

Field	Description
Filter Type	Select a value from the drop-down box.
Filter Attribute	Select a value from the drop-down box.
Hierarchy Name	Select a value from the drop-down box.
Hierarchy Values	Select a value from the drop-down box.
Hierarchy	Select a value from the drop-down box.

- c. Click **Go**, and then click **Next**.
 - d. Select **Add Attribute**.
 - e. In the **Add Column** window, in the **Target Attribute** drop-down, select a value and then click **OK**. The target attribute displays the columns based on the selected entity.
 - f. Click **Next**, and then click **Save**.
 - g. In the **Manual Data** section, select **Export**.
 - h. In the **Export** window, in the **MIS Date** section, select a date the entity has data, and then click **Export**.
 - i. Save the Excel file to your system.
 - j. Enter values in the specific columns as per the selected target attribute, and then save the Excel.
 - k. In the **Manual Data** section, in the **ID** column, select the required ID and then click **Import**.
 - l. In the **Import** window, attach the Excel that you added data to, and then click **Upload**.
 - m. Click **Import**.
 - n. Click **Submit** if you want to send the **Data Adjustment** for approval, or click **Save**.
- 6. For Rule Driven:**
- a. To go to the next section, click **Next** or click **Dataset**.
 - b. In the **Adjustment Entity**, **Filter Type**, **Filter Attribute**, **Hierarchy Name**, and **Hierarchy** drop-down boxes, select a value.
 - c. Click **Next**.
 - d. Click **Add Expression**.
 - e. Select a value from the drop-down box for **Column**.

NOTE You can ignore the **Lookup** section.

- f. In the **Add Expression** window, enter values in the following fields:

Table 35: Add Expression Fields

Field	Description
String	Select a value from the drop-down box.
Date and Time	Select a value from the drop-down box.
Aggregate	Select a value from the drop-down box.
Others	Select a value from the drop-down box.
Mathematical	Select a value from the drop-down box.
Concatenation	Select a value from the drop-down box.
Mathematical operators	Select a value from the drop-down box.
Others	Select a value from the drop-down box.
Comparison	Select a value from the drop-down box.
Logical Operators	Select a value from the drop-down box.
Expression	Enter an expression.

- g. Click **OK**.
- h. Click **Next**.
- i. In the **Review and Save** section, click **Save**.

The Data Adjustment for the action has been created.

13.3.3 Create a Data Adjustment - Regulatory Reporting based Adjustment

To create a data adjustment for the action type Data Adjustments - Regulatory Reporting, perform the following steps:

NOTE You can create a data adjustment for a regulatory reporting-based adjustment, only if the actions are in a new status.

1. From the Issues & **Actions** page, under an action created, click **View More**.
2. In the Data Adjustment page, click **Create**.
The Adjustments Rule Details window is displayed.
3. In the **Adjustment Rule Details** window, enter values in the **Name** and **Description** fields.

Figure 147: Adjustment Rule Details

Adjustment Rule Details

Home > Adjustment Rule Details

< Back

1 Name 2 Dataset 3 Details 4 Review & Save

Next >

Adjustment Definition

ID 210933

* Name

Description

Type

* Adjustment Type Regulatory Reporting

* Assignment Type ☐ User Input ☒ Rule Driven

Cancel

4. Select the Assignment Type as either **User Input** or **Rule Driven**.
5. For **User Input**:
 - a. In the Select Report section, in the **Report** and **Schedule** drop-downs, select the required report and schedule.
 - b. Click **Next**.
 - c. In the **Data Update** section, select **Add Line Item**.
 - d. In the **Add Line Item** window, in the **Line Item** drop-down, select a value, and then click **OK**.
 - e. Click **Next**, and then click **Save**.
 - f. In the **Manual Data** section, select **Export**.
 - g. In the **Export** window, in the **MIS Date** section, select the date for which the assessment has been performed, and then click **Export**.
 - h. Save the Excel file to your system.
 - i. Enter the adjustment amount in the column **N_ADJUSTED_AMT**, and then save the Excel.
 - j. In the **Manual Data** section, in the **Id** column, select the required ID and then click **Import**.
 - k. In the **Import** window, attach the Excel that you added data to, and then click **Upload**.
 - l. Click **Import**.
 - m. In the **Manual Data** section, in the **Id** column, select the required ID.
 - n. Click **Submit** if you want to send the **Data Adjustment** for approval or click **Save**.
6. For **Rule Driven**:
 - a. To go to the next section, click **Next** or click **Dataset**.
 - b. In the **Adjustment Entity**, **Report**, **Schedule**, and **Dataset** drop-down boxes select a value.
 - c. Click **Next**.

- d. Click **Add Expression**.
- e. In the **Add Expression** window, enter values in the following fields:

Table 36: Add Expression Fields

Field	Description
Line Item	Select a value from the drop-down box.
Expression Type	Select either Business Processor or Build Expression.
Build Processor	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Build Expression</i> .
Measure	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
Business Processor	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
Aggregate	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
Comparison	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
Logical Operators	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
Others	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
Date and Time	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
Mathematical	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
Others	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
String	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .

Field	Description
Mathematical operators	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
Concatenation	Select a value from the drop-down box. This field is only available if you selected the Expression type as <i>Business Processor</i> .
Expression	Enter an expression.

- Click **OK** and then click **Next**.
- In the **Review and Save** section, click **Save**. The Data Adjustment for the action is created.

13.3.3.1 Export and Import Data Updates

NOTE These steps are applicable only when your adjustment is of the User Input type.

In the **Review & Save** tab, Exporting User Input Type Data Adjustment:

- To export (download from the application) a record from the User Input type Data Adjustment, click **Export**.
- In the **Export** window, select the **MIS Date** for which you are downloading the record to make the data corrections.
- Click **Export**, and then close the **Export** window.
An excel file is downloaded to your system.
- In the downloaded (exported) excel file, you can make the required data corrections.
- Save the changes made to the file.

In the **Review & Save** tab, Importing User Input Type Data Adjustment:

- To import (upload to the application) the updated excel file for the User Input type Data Adjustment, select the Manual Data **ID** of the required record, and then click **Import**.
- To search for the updated, excel file, open and attach it, click **Attach**.
- To upload this, excel file, click **Upload**.
After a successful upload, an acknowledgment message is displayed.
- To import the uploaded Excel file into the application, click **Import**.


NOTE After you successfully import a file, its status appears as *Imported*.

13.3.3.2 Save and Submit a Data Adjustment

1. To save this Data Adjustment record, select the checkbox against the imported record, and then click **Save**. A confirmation message is displayed, confirming that the adjustment details were successfully saved.
2. Click **OK**.
3. To submit this Data Adjustment for approval to the Adjustment Approver, click **Submit**.
A confirmation message is displayed, confirming that the adjustment details are saved successfully.
4. Click **OK**. The **Adjustment Rules Details** page automatically closes.
5. For user input, to send the imported file for approval to the Approver, you must select the checkbox against the record and then click **Save**.
6. In the **View Adjustment Details** page, click **Refresh**. The newly created Data Adjustment is in the Pending Approval state.
7. After you click **Save**, if do not submit the Data Adjustment for approval, the Status of the Data Adjustment is in the Draft state. To move the Status from *Draft* to *Pending Approval*, open the Data Adjustment, and click **Submit**.

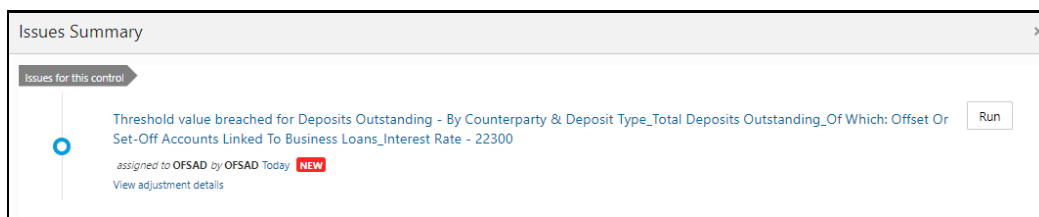
13.3.3.3 View the Pre and Post Adjusted Data

To view the pre and post adjusted data, follow these steps:

1. From **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** window navigate to **Controls**.
2. Select a stage table and then click  **View Controls** to view the details.
3. Select a Control that has open Issues from the LHS Menu and then select the Control.
4. Click **Issues & Actions**.

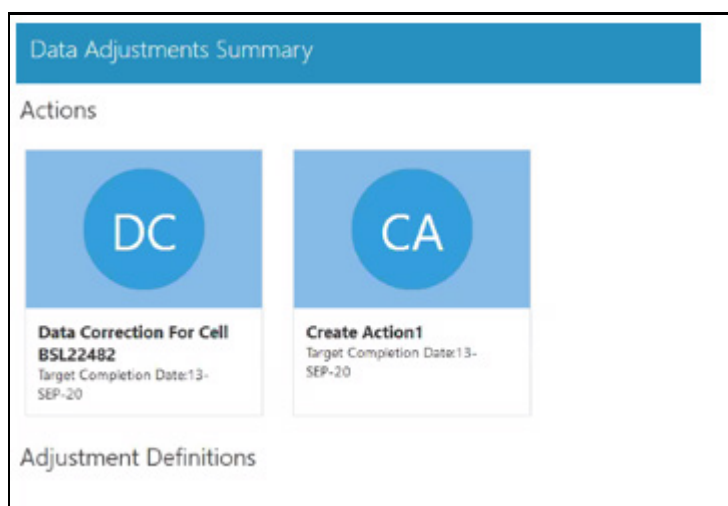
The Issues Summary window is displayed.

Figure 148: Issue Summary



5. Click **View Adjustment Details**.

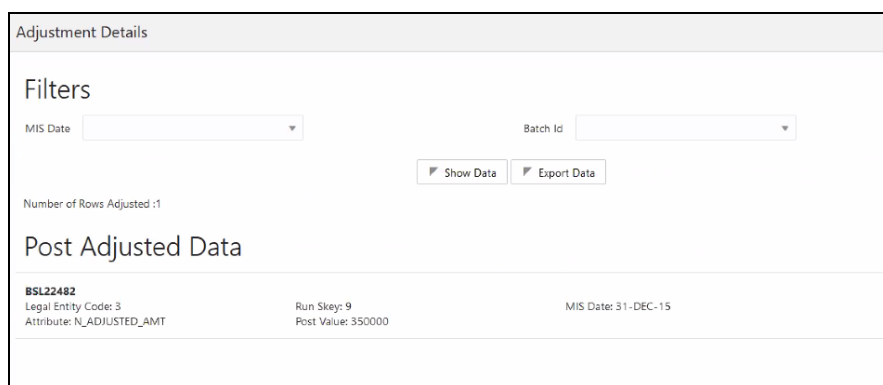
The Data Adjustment Summary window is displayed. In the **Actions** window, the action that was created for the issue is displayed.

Figure 149: Data Adjustment Summary

6. Click the required **Action**.

The adjustments that are defined for the actions are displayed.


7. Click the required adjustment. The pre and post-adjusted data is displayed.

Figure 150: Adjustment Details**NOTE**

For the Data Adjustment - Regulatory Reporting, only the adjusted data appears.

13.4 Approve or Reject Data Adjustments


To view, and approve or reject the Data Adjustment, perform the following steps:

1. Log in to the application as the **Action Owner** (Data Adjustment Creator).
2. From **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** window, navigate to **Controls**.
3. Select a stage table and then click  **View Controls** to view the details.

4. Select a Control that has open Issues from the LHS Menu and then select the Control.
 5. Click **Issues & Actions**.
 6. In the **Issues** for this control, click the required system-generated Issue **ID**.
The Actions section is displayed.
 7. In the **Actions** section, in the **ID** column, click the required Action ID.
 8. In the **Action Details** page In the **Adjustments** section, select the required **Data Adjustment** which is in the Pending Approval state.
 9. To open this Data Adjustment details, click **View**.
 10. In the **Adjustment Rule Details** window, click the **Review & Save** tab.
 11. Select the Manual Data Id, and then click **Download**. The data correction records file uploaded to the system, by the Data Adjustment Creator, is downloaded to your system.
 12. Verify the data records and in the **Comments** field, enter the required comments.
 13. To approve the Data Adjustment, in the Comment field, enter a comment, and click **Approve**.
The **Adjustment Rule Details** window automatically closes.
 14. In the **Action Details** page, in the **Adjustments** section, the status of the Data Adjustment is changed to the *Approved* state. In the account of Data Adjustment Creator, the state of this Data Adjustment is updated to the *Approved* state.
- Or
- To reject the Data Adjustment, in the Comment field, enter a comment and click **Reject**. The **Adjustment Rule Details** window automatically closes.
15. In the **Action Details** page, in the **Adjustments** section, for a rejected Data Adjustment, the state is changed to *Draft*.

13.5 Modify a Rejected Data Adjustment

If the Data Adjustment is rejected perform the following steps:

1. Log in to the application as the **Action Owner** (Data Adjustment Creator).
2. From **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** window navigate to **Controls**.
3. Select a stage table and then click  **View Controls** to view the details.
4. Select a Control that has open Issues from the LHS Menu and then select the Control.
5. Click **Issues & Actions**.
6. In the **Issues** for this control, click the required system-generated Issue **ID**.
The Actions section is displayed.
7. In the **Actions** section, in the **ID** column, click the required Action ID.
8. In the **Adjustment Rule Details** page, in the **Review & Save** tab, make the required changes.
9. To save this Data Adjustment record, click **Save**.

A confirmation message appears, confirming that the adjustment details are saved successfully.

10. Click **OK**.

11. To re-submit this Data Adjustment for approval to the Adjustment Approver, click **Submit**.

A confirmation message appears, confirming that the adjustment details have been successfully updated.

12. Click **OK**.

The **Adjustment Rules Details** page automatically closes.

13. Log in as a Data Adjustment Approver and approve this Data Adjustment.

13.6 Executing a Data Adjustment Batch

After creating Data Adjustments, perform these procedures to check the Data Quality of the data corrections made during the Data Adjustment process.

Execution of Adjustments

The adjustments defined by using the steps mentioned earlier are executed through the batch. The executable DataAdjustment.sh must be executed with a list of parameters. Note that an adjustment is considered for execution for the MIS data for which the data adjustment has been done.

13.6.1 Triggering the Adjustment Batch

NOTE Only an issue owner can trigger the adjustment batch.

13.6.1.1 Regulatory Adjustments

To trigger the Regulatory Adjustment Batch from the Issue screen, follow these steps:

1. From **Regulatory Reporting for US Federal Reserve** window navigate to **Metadata Management > Reports**.

The **Regulatory Reporting Report Summary** window is displayed.

Figure 151: Regulatory Reporting Report Summary

ORACLE[®] Regulatory Reporting for US Federal Reserve

US-English OFSAD

Regulatory Reporting
Report Summary

USFED

Search Configured Reports

<p>1 Schedules</p> <p>7 Cells 5 Derived Entities</p> <p>Abbreviated Financial Statements of U.S. Nonbank Subsidiaries of U.S. Holding Companies</p>	<p>6 Schedules</p> <p>120 Cells 33 Derived Entities</p> <p>Financial Statements of Foreign Subsidiaries of U.S. Banking Organizations</p>	<p>1 Schedules</p> <p>7 Cells 5 Derived Entities</p> <p>Abbreviated Financial Statements of Foreign Subsidiaries of U.S. Banking Organizations</p>	<p>52 Schedules</p> <p>9536 Cells 55 Derived Entities</p> <p>Capital Assessments and Stress Testing Information collection</p>
<p>FRY-14A</p> <p>37 Schedules</p> <p>0 Cells 0 Derived Entities</p> <p>Capital Assessments and Stress Testing Information collection (Reporting Form FRY-14A)</p>	<p>FFIEC-031</p> <p>27 Schedules</p> <p>2321 Cells 99 Derived Entities</p> <p>Consolidated Reports of Condition and Income for a Bank with Domestic and Foreign Offices</p>	<p>FR-2886B</p> <p>14 Schedules</p> <p>198 Cells 22 Derived Entities</p> <p>Consolidated Report of Condition and Income for Edge and Agreement Corporations</p>	

Show More... 1-15 of 34 items

2. Select the required report. For example, here FFIEC-031 report is selected. The **Schedule summary for FFIEC-031** window is displayed.

Figure 152: Schedule summary for FFIEC-031

ORACLE[®] Regulatory Reporting for US Federal Reserve

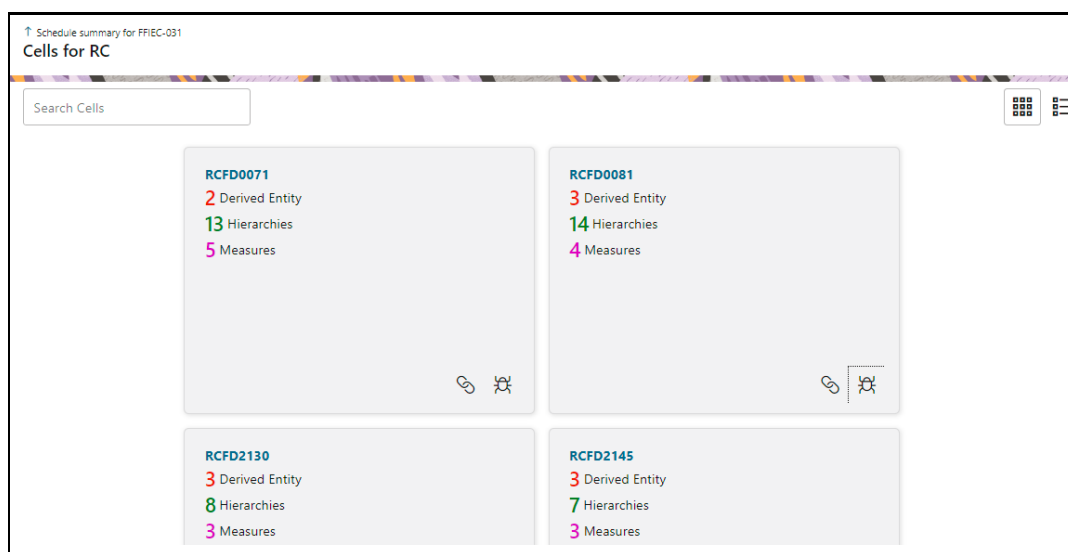
US-English OFSAD

Report Summary
Schedule summary for FFIEC-031

Search Configured Schedules

<p>RC</p> <p>26 Cells 5 Derived Entities</p> <p>Balance Sheet</p>	<p>RC-A</p> <p>9 Cells 3 Derived Entities</p> <p>Cash and Balances Due from Depository Institutions</p>	<p>RC-B</p> <p>141 Cells 3 Derived Entities</p> <p>Securities</p>	<p>RC-C</p> <p>146 Cells 4 Derived Entities</p> <p>Loans and Lease Financing Receivables</p>
<p>RC-D</p> <p>80 Cells 4 Derived Entities</p> <p>Trading Assets and Liabilities</p>	<p>RC-E</p> <p>55 Cells 3 Derived Entities</p> <p>Deposit Liabilities</p>	<p>RC-F</p> <p>21 Cells 6 Derived Entities</p> <p>Other Assets</p>	<p>RC-G</p> <p>16 Cells 7 Derived Entities</p> <p>Other Liabilities</p>

3. Select the required Schedule under FFIEC-031. The Cells for that particular report is displayed.

Figure 153: Cells for RC


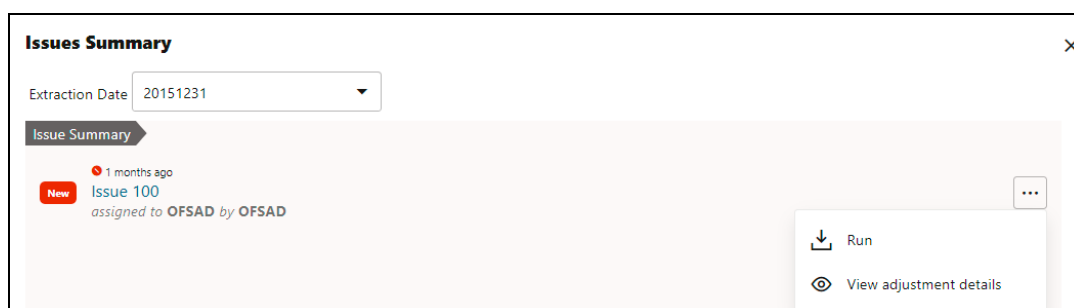


- Click  icon to view the issue. The system-generated issues for this Key Indicator Condition are displayed.

Figure 154: Issues Summary

- Select an issue for which the adjustment is created and click **Run**.
The **Adjustment Run Parameters** window is displayed. The Issue Name is displayed as default.
- Click  to select the **MISDATE** for execution.
- Click  to select the **Legal Entity Code** from the list of hierarchy.

NOTE

If the hierarchy is not displayed, resave the hierarchy HIREG004 Org Structure Entity Code.

- Select the **RuSkey** from the drop-down list.
- Click **Execute**.

This automatically creates a batch and is executed. The Batch Monitor status displays as successful.

13.6.1.2 Data Quality Adjustments

To trigger the data quality adjustment batch from the Issue screen, follow these steps:

1. From **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** window navigate to **Controls**.

2. Select a stage table and then click  **View Controls** to view the details.

3. Select a Control that has open Issues from the LHS Menu and then select the Control.

4. Click **Issues & Actions**.

The system-generated issues for this control are displayed.

5. Select an issue for which the adjustment is created and click **Run**.

The **Adjustment Run Parameters** window is displayed. The Issue Name is displayed as default.

6. Click  to select the **MISDATE** for execution.

7. Click  to select the **Legal Entity Code** from the list of hierarchy.

NOTE

If the hierarchy is not displayed, resave the hierarchy HIREG004 Org Structure Entity Code.

8. Select the **RuSkey** from the drop-down list.

9. Click **Execute**.

This automatically creates a batch and is executed. The Batch Monitor status displays as successful.

13.6.2 Creating a New Batch and a Task

To create a new Batch, perform the following steps:

NOTE

Ensure to create a new batch, and add the respective parameters as explained in the following procedure for manually creating the issues in Regulatory Adjustments.

1. From **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** window navigate to Operations and then select **Batch Maintenance**.

2. To create a Batch, in the Batch Name section, click the  **Add** icon.

Figure 155: Batch Maintenance

Batch Maintenance

Save Cancel

Batch Maintenance

Batch Name BATCH1

Batch Description

Duplicate Batch ☐

Sequential Batch ☐

Batch ID

3. In the **Add Batch Definition** window, enter the batch name and the batch description, and then click **Save**.
4. In the **Batch Maintenance** pane, in the **Batch Name** section, select the Batch Name checkbox associated with the newly created batch. The **Task Details** section appears which lists the tasks corresponding to the selected Batch Name.
5. To add a new task to the newly created batch, click the **Add** icon.
6. In the **Task Definition** window In the **Components** dropdown box, select the **RUN EXECUTABLE** value.
7. The values are automatically generated for the **Datastore Type**, **Datastore Name**, and **IP Address** fields.
8. In the **Executable** field, enter the value **DataAdjustment.sh**, <ISSUE NAME>, <USER>, <RUNSKEY>, <LEGAL ENTITY>.

NOTE

Except for the data adjustment for regulatory reporting, which will require all five values, the other data adjustments will only require values for <ISSUE NAME> and <USER>. The <RUNSKEY> and <LEGAL ENTITY> parameters can be placed as NA.

9. For the **Wait** field, select either **Y** or **N** as required.
10. For the **Batch Parameter** field, select **Y**.
11. Enter the required details in all the other fields.
12. Click **Save**.
13. A new Task for the new Batch is created. You can run this Batch in the **Batch Execution** section.

13.6.3 Monitoring the Data Adjustment Batch through the Batch Monitor Pane

To monitor the data adjustment batch through the Batch Monitor pane follows these steps:

1. From **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** window navigate to Operations and the select **Batch Monitor**.
2. The **Batch Monitor** pane appears on the right-hand side.

Figure 156: Batch Monitor

The screenshot shows the 'Batch Monitor' interface. At the top, there are search filters: 'Batch ID Like' with a text input containing 'DGSINFO', 'Batch Description Like' with an empty text input, 'Module' with a dropdown menu, 'Status' with a dropdown menu, 'Start Date' with a calendar icon, and 'End Date' with a calendar icon. There are also 'Search' and 'Reset' buttons. Below the filters is a section titled 'Batch Details' containing a table with two columns: 'Batch ID' and 'Batch Description'. The table lists various batch IDs and their corresponding descriptions.

Batch ID	Batch Description
<input type="checkbox"/> DGSINFO_ACCT_MAPPER_INSERT	Account mapper insert batch
<input type="checkbox"/> DGSINFO_DGS_DQ_CTL_BATCH	DQ Control Batch
<input type="checkbox"/> DGSINFO_DGS_KI_BATCH	DG_KI_GRP_BATCH_PROCESS
<input type="checkbox"/> DGSINFO_DGS_KI_MDRM_UPDATE	Converting work mdrm to non-work mdrm
<input type="checkbox"/> DGSINFO_DGS_PM_OP_CTL_BATCH	Process Monitoring Batch
<input type="checkbox"/> DGSINFO_DYNAMIC_KI_BATCH_CREATION	DG KI dynamic batch creation
<input type="checkbox"/> DGSINFO_FCT_KRI_DEF_UPDATE	Updating Formula, Actual Formula for fct kri def
<input type="checkbox"/> DGSINFO_KI_CONFIGURATION	Inserting data into KI Configuration Tables
<input type="checkbox"/> DGSINFO_MAT_VIEW_CREATE	Creating Mat views for DG using Batch
<input type="checkbox"/> DGSINFO_MERGE_FCT_KRI_DEF	Merging variance and Edit checks data into KI Tables
<input type="checkbox"/> DGSINFO_POP_DATES_DIM	Populate DIM_DATES
<input type="checkbox"/> DGSINFO_POP_EXCHANGE_RATES	Populate fsi_exchange_rates with the exchange rate information for each currency pair
<input type="checkbox"/> DGSINFO_Process_Monitoring_Batch	Process Monitoring Batch

3. In the **Batch Details** section, select the Batch ID which was executed during the Batch Execution.
4. In the **Batch, Run Details** section, click the **Information Date** drop-down and then select the MIS Date. This is the date on which the Data Quality had failed at the staging.
5. Click the **Batch Run ID** dropdown box and select the required value.
6. Click the **Start Monitoring** icon.
7. The **Batch Status**, **Task Details**, and **Event Log** sections appear in addition to the existing details in the **Batch Monitor** pane.
8. Select any task in the **Task Details** section to view its Event Log details.
9. After the successful execution of the data adjustment batch, the Action Owners must mark the action progress to 100% or mark the Action as completed.

NOTE

Based on the adjustment type, check the tables against which the adjustments have been passed.

14 Plan Monitoring

This chapter explains the process of identifying the reporting plan.

14.1 User Roles and Actions

All the users are required to be mapped to the following user groups and user roles:

Table 37: User Group

Group Code	Group Name
DGAPPGRP	DGS App Menu Group

Table 38: User Role

Role Code	Role Name
PLANMONR	Plan Monitoring Role

14.1.1 Configuring Process Monitoring Runs and Tasks

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

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

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

Figure 157: Batch Execution Window

The screenshot displays the 'Batch Execution' window. At the top, there's a 'Batch Mode' section with radio buttons for 'Run' (selected), 'Restart', and 'Rerun'. Below this is a 'Search' section with input fields for 'Batch ID Like' (containing 'FSDFINFO_Process_Monitoring_Batch'), 'Batch Description Like', and 'Module'. There's also a 'Last Modification Date' filter with 'Between' and 'And' options. The 'Batch Details' section shows a table with one row: 'FSDFINFO_Process_Monitoring_Batch' with description 'Process Monitoring Batch'. Below this is the 'Task Details' section, which shows a table with one row: 'Task1' with description 'Task for Process Monitoring Updates', metadata value 'FN_PROCESS_PLAN_UPDATES', component ID 'TRANSFORM DATA', precedence 'START', and task status 'N'. At the bottom, there's an 'Information Date' field and an 'Execute Batch' button.

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

14.2 Creating a Reporting Plan

The reporting plan provides an overview of the timelines for the regulatory submission. It is activity-specific. For example, the plan for the regulatory report submission of one activity is different from another. The plan includes the scope and schedule for tracking and completion.

To create a reporting plan, define the name, purpose, owner, and additional attributes for the plan. Additionally, you need to define the OFSAA runs and the scope of the plan. You can choose any OFSAA run as the scope and derive the tasks from all the runs in the scope.

Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting facilitates the mapping of OFSAA Runs to the plans. For the created plan, the user can link the Runs by selecting the Runs. All the selected Runs are displayed in the Plan Monitoring screen.

The Runs available as a part of the applications can be made visible in Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting.

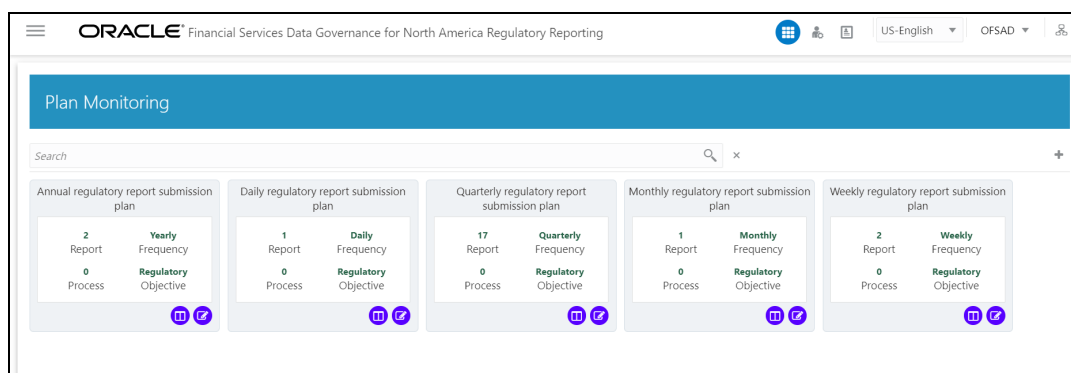
Metadata Publish is required to publish the Run related information.

Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting facilitates the mapping of Tasks to Runs in the **Plan** section. Click the Run. This allows you to select the tasks. The Task Selection window is displayed. All the tasks under the selected Run are displayed. The selected tasks can be seen in the Task List in the Plan Monitoring window.

To create a Reporting Plan, perform the following steps:

1. From the **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** window navigate to **Plan Monitoring**.

Figure 158: Plan Monitoring



2. In the **Plan Monitoring**, click the **Create Plan** icon.

Figure 159: Plan Monitoring

3. In the **Plan Monitoring** window, enter the required information in the available fields.

Table 39: Plan Monitoring

Fields=	Description
	Fields marked in blue asterisk(*) are mandatory
Name*	Provide a short description of the plan.
Objective*	Select an objective from the drop-down box: <ul style="list-style-type: none"> • Business • Management • Regulatory
Owner*	Select the owner of the plan such as who is the user that is responsible for tracking the plan to closure.

Fields=	Description
	Fields marked in blue asterisk(*) are mandatory
Report Submission Type*	Select the plan type from the drop-down box: <ul style="list-style-type: none"> • Regulatory Report Submission • Management Report Submission
Description	Provide a description of the plan.
Frequency*	Select a frequency for the plan from the drop-down box: <ul style="list-style-type: none"> • Yearly • Half Yearly • Quarterly • Monthly • Custom • Daily • Fortnightly • Weekly

4. Click **Next**.
5. Select a **Report** from the drop-down. The reports displayed in the drop-down are the reports configured in the application.

Figure 160: Plan Monitoring

The screenshot shows the 'Plan Monitoring' window with a progress bar at the top. The progress bar has three steps: 'Plan' (completed with a green checkmark), 'Report' (selected with a blue circle and number 2), and 'Run' (pending with a grey circle and number 3). Below the progress bar, the 'Report' section is active, showing a dropdown menu with 'FRYTN' selected. The 'Save' and 'Cancel' buttons are in the top right corner.

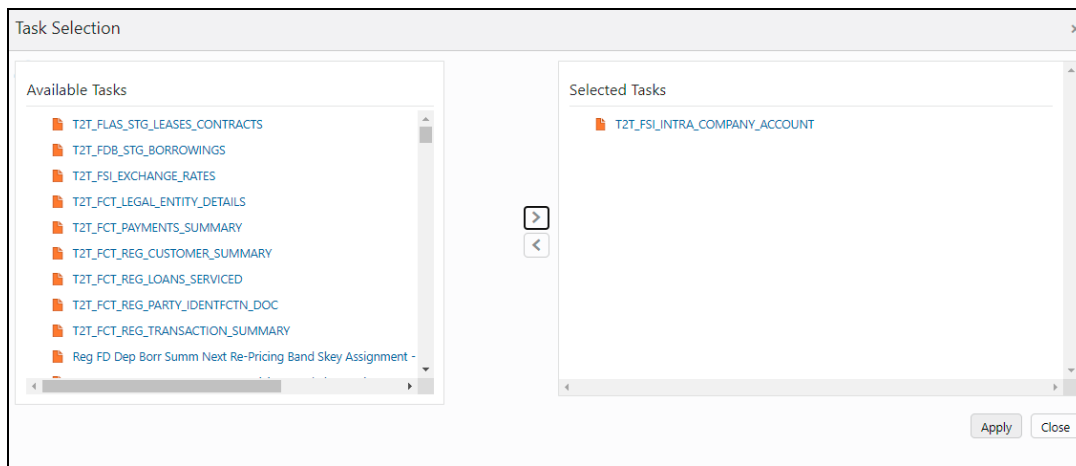
6. Click **Next**.
7. Select the **Run** from the drop-down. The selected Run is displayed under Run Details.


Figure 161: Plan Monitoring

The screenshot shows the 'Plan Monitoring' window with the progress bar updated. 'Plan' and 'Report' are both completed with green checkmarks, and 'Run' is now selected with a blue circle and number 3. The 'Run Selection' section shows 'RINUS_REG_RUN' selected in the dropdown. Below it, the 'Run Details' section is expanded, showing 'US Regulatory Reporting Run' as the 'Run Name' with a small icon next to it. The 'Save' and 'Cancel' buttons remain in the top right corner.

8. Click **Run Name** to add a task.
The **Task Selection** window is displayed.

Figure 162: Task Selection



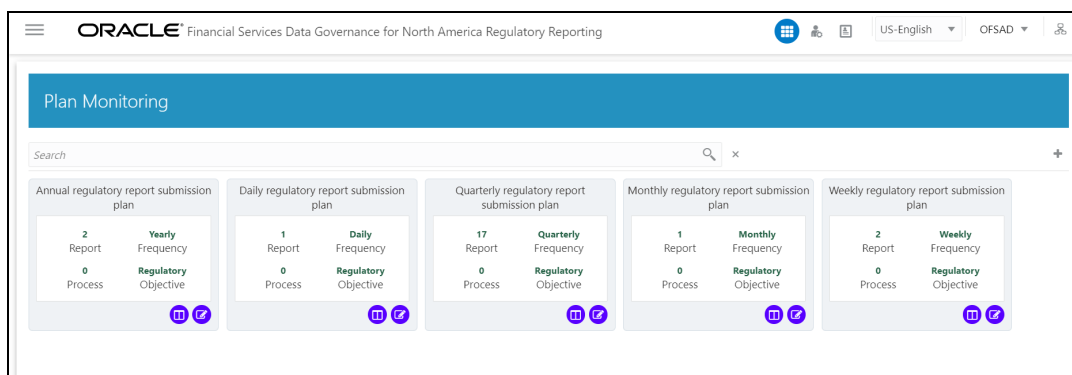
9. Select the required task and click **Apply**.
The selected task is displayed under the Task List.
10. For each task in the **Task List**, you can click  to select the **Dependent Tasks**.
11. Click **Save**.
The newly created plan appears under the Plan Monitoring summary window. A confirmation message is displayed: Monitoring a Reporting Plan. After submission, the reporting plan is monitored for the completion of individual tasks.

14.3 Viewing and Editing a Reporting Plan

To view or edit a Reporting Plan, perform the following steps:

1. From the **Financial Services Data Governance for Asia Pacific and Middle East Jurisdictions Regulatory Reporting** window navigate to **Plan Monitoring**.

Figure 163: Plan Monitoring - View




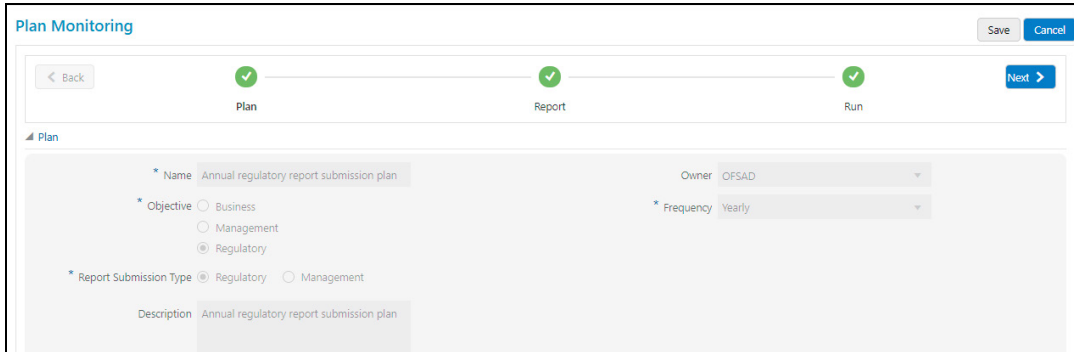
2. To view an already created **Plan**, in the **Plan Monitoring summary window**, click the  icon.
The fields are not editable.

Figure 164: Plan Monitoring - View



Plan Monitoring

Save Cancel

< Back

Plan Report Run

Next >

Plan

* Name Annual regulatory report submission plan

Owner OFSAD

* Objective ☐ Business ☐ Management ☒ Regulatory

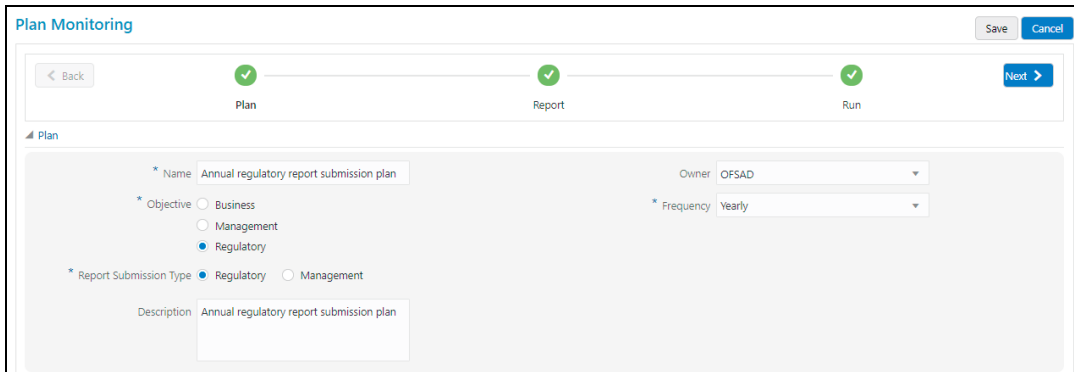
* Frequency Yearly

* Report Submission Type ☒ Regulatory ☐ Management

Description Annual regulatory report submission plan

3. To edit an existing plan, in the **Plan Monitoring summary window**, click the  icon.

Figure 165: Plan Monitoring - View



Plan Monitoring

Save Cancel

< Back

Plan Report Run

Next >

Plan

* Name Annual regulatory report submission plan

Owner OFSAD

* Objective ☐ Business ☐ Management ☒ Regulatory

* Frequency Yearly

* Report Submission Type ☒ Regulatory ☐ Management

Description Annual regulatory report submission plan

4. Edit the required fields and then click **Save**.

15 Dashboards

The dashboards provide reports for various sections in the DGRR Application.

15.1 Data Quality Dashboards

The Data Quality Rules for Dashboards must be executed through batches only and not through the DQ Screen.

For Data Quality refer to the [APME \(APRA/RBI/MAS\) Run Chart](#) and execute the batch DGS_DQ_CTL_BATCH, DataProfile for the date on which the data quality check needs to be executed. Refer to the [APME \(APRA/RBI/MAS\) Run Chart](#) for further details.

Based on the Data Quality check defined in the DQ Framework of AAAI, the dashboard generates the reports. These are predefined values. The dashboard also generates the reports based on the check type the user wants to analyze the data with.

The Data Quality Dashboard provides data based on selecting the desired Date and the following list of dropdowns:

- Batch Name
- DQ Group Name
- DQ Type
- Date
- Iteration

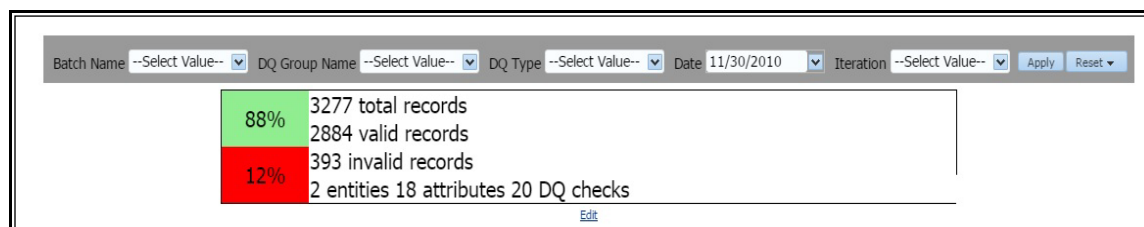
Click **Apply** to generate the reports.

Click **Reset** to reset the values.

The first grid displays the following data:

- Pass DQ Percentage (Green shows the pass DQ %)
- Fail DQ Percentage (Red shows the failed DQ %)
- Number of Total Records
- Number of Valid Records
- Number of Invalid Records
- Number of entities, attributes, and DQ checks

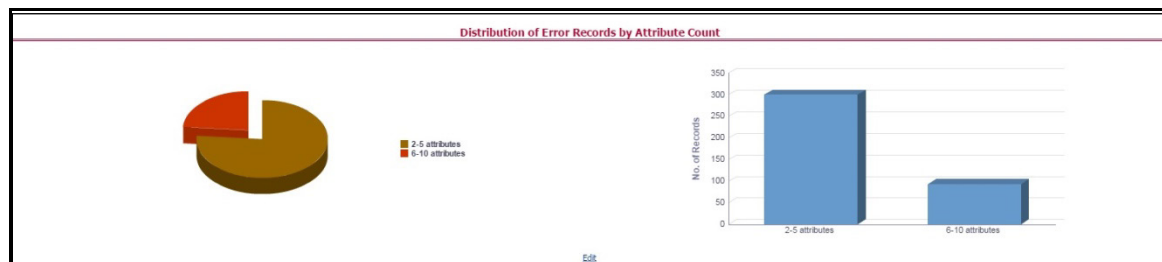
Figure 166: Data Quality Dashboard



15.1.1 Distribution of Error Records by the Attribute Count

This analysis displays the distribution of error records based on a range of attribute counts in the form of pie charts and bar graphs.

Figure 167: Distribution of Error Records by the Attribute Count



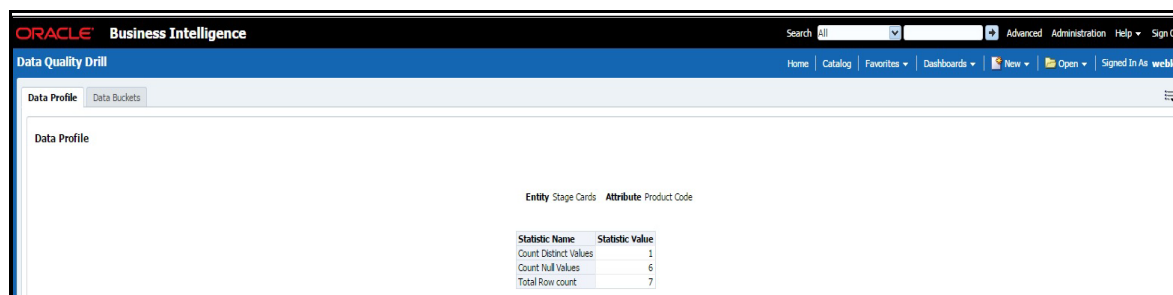
Click either on the pie chart or bar graph to drill down to view the following details:

- Entity
- Attributes
- DQ Check Type Name
- Percentage of Rejected Records Count

Click **Attributes** to display the following:

- Data Profile: It displays 2 analyses:
 - Data Profile: A tabular representation of the following data based on the Entity-Attribute Name:
 - Count Distinct values
 - Count Null Values
 - Max Value
 - Mean Value
 - Minimum Value
 - Outliers – Greater than 2x mean
 - Outliers – Less than 2x mean
 - Total Row Count

Figure 168: Data Profile



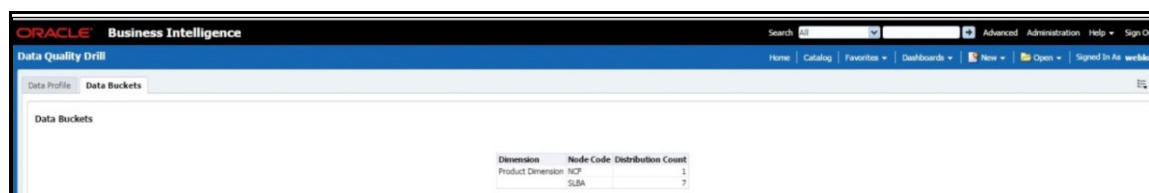
- Trend of Data Profile: This report shows the trend of data profiling in a 6-month interval from the selected date. It is a Graphical representation of the following data based on the Entity-Attribute Name:
 - Count Distinct values
 - Count Null Values
 - Total Row Count

Figure 169: Trend of Data Profile



- Data Bucket: It displays 2 analyses:
 - Data Bucket: This is the tabular representation of the following data based on Dimension Table:
 - Node Code
 - Distribution Count

Figure 170: Data Buckets



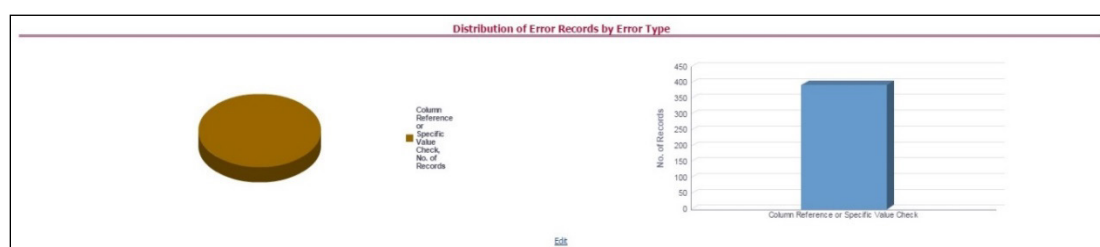
- Trend of Data Bucket: This report shows the trend of the data profiling in a 6-month interval from the selected date. It is a graphical representation of the Distribution Count and Node Codes against time intervals. The Trend of Data Buckets includes two types of graphs:
 - Bar Graph
 - Line Graph

Figure 171: Trend of Data Buckets



15.1.2 Distribution of Error Records by Error Type

This analysis displays the distribution of error records based on the error type.

Figure 172: Distribution of **Error** Records by Error Type

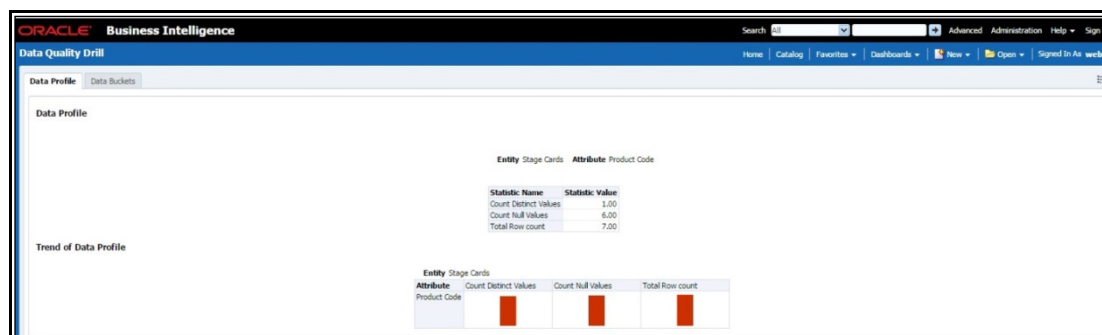
Click either the pie chart or the bar graph to get a drill down to view the following details:

- Entity
- Attributes
- DQ Check Type Name
- Percentage of Rejected Records Count

Click **Attributes** to view the following:

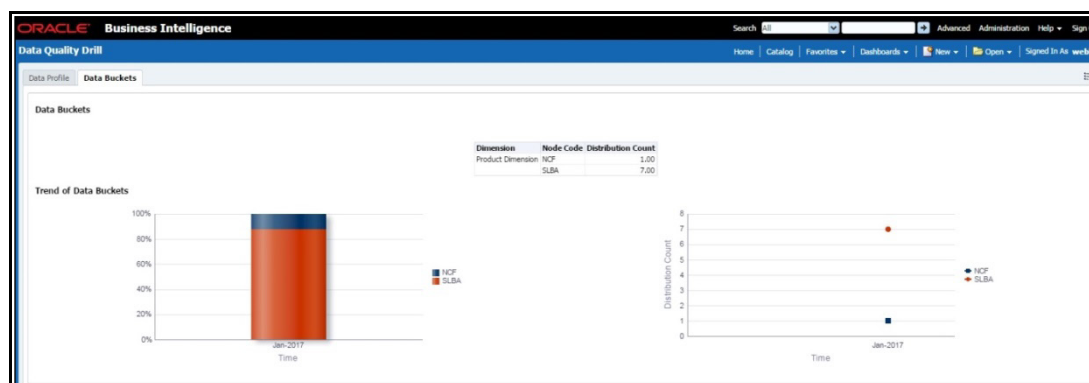
- Data Profile: It displays two analyses:
 - Data Profile: A tabular representation of the following data based on the Entity-Attribute Name:
 - Count Distinct values
 - Count Null Values
 - Max Value
 - Mean Value
 - Minimum Value
 - Outliers – Greater than 2x mean
 - Outliers – Less than 2x mean
 - Total Row Count

Figure 173: Data Profile



- Trend of Data Profile: A graphical representation of the following data based on the Entity-Attribute Name:
 - Count Distinct values
 - Count Null Values
 - Total Row Count
- Data Bucket: It displays two analysis:
 - Data Bucket: The tabular representation of the following data based on the Dimension Table:
 - Node Code
 - Distribution Count

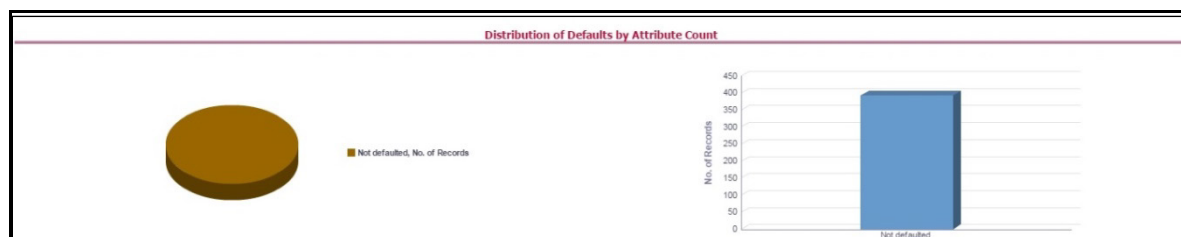
Figure 174: Data Bucket



- Trend of Data Bucket: Graphical representation of the Distribution Count and Node Codes against time intervals. The Trend of Data Buckets includes two types of graphs:
 - Bar Graph
 - Line Graph

15.1.3 Distribution of Defaults by Attribute Count

This analysis displays the distribution of default records based on the attribute count.

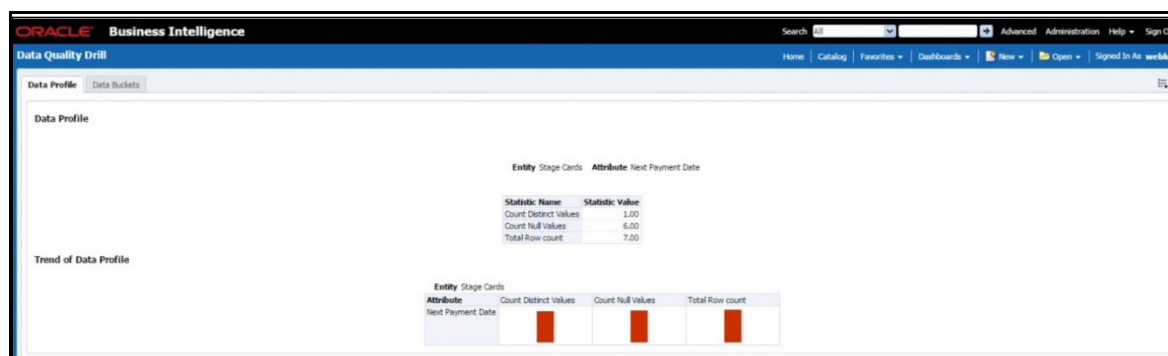
Figure 175: Distribution of Defaults by Attribute Count

Click either the pie chart or bar graph to get a drill down which displays the following details:

- Entity
- Attributes
- DQ Check Type Name
- Percentage of Rejected Records Count

Click **Attributes** to display the following:

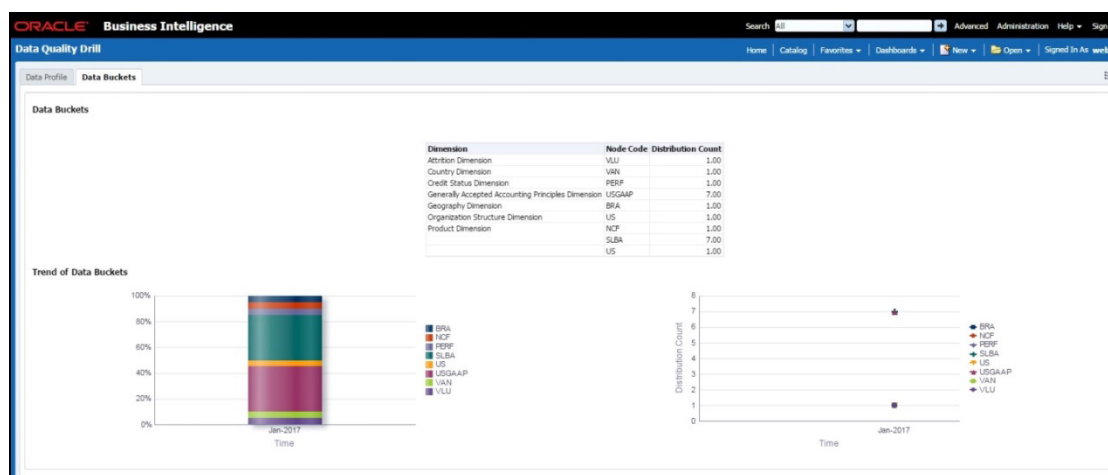
- Data Profile: It displays two analysis:
 - Data Profile: A tabular representation of the following data based on Entity-Attribute Name:
 - Count Distinct values
 - Count Null Values
 - Max Value
 - Mean Value
 - Minimum Value
 - Outliers – Greater than 2x mean
 - Outliers – Less than 2x mean
 - Total Row Count

Figure 176: Data Profile

- Trend of Data Profile: Graphical representation of the following data based on the Entity-Attribute Name:
 - Count Distinct values

- Count Null Values
- Total Row Count
- Data Bucket: It displays two analysis:
 - Data Bucket: The tabular representation of the following data based on the Dimension Table:
 - Node Code
 - Distribution Count

Figure 177: Data Buckets



- Trend of Data Bucket: A graphical representation of the Distribution Count and Node Codes against time intervals. The Trend of Data Buckets includes two types of graphs:
 - Bar Graph
 - Line Graph

15.1.4 Data Quality Exception Report

Populating Data for DQ Exception Report (Data Quality Dashboard)

Before verifying the Data Quality Exception Report dashboard (DQ Dashboard), follow these steps:

1. Navigate to **Common Tasks > Operations > Batch Maintenance**.
2. Select the DGS_DQ_CTL_BATCH batch. See [OFS Data Governance Run Chart](#) for more details.

NOTE The FSI_DGS_DQ_BALANCE_COL_MAP table will have the configuration details required for DQ-Exception amount calculations.

It consists of the following columns.

Table 40: Data Quality Exception Report

Column Name	Description
V_DQ_STG_TBL	Column to store Stage Table Name
V_DQ_STG_BAL_AMT_COL	Column to store Data Quality Exception Balance Column to be used for DQ-Exception Amount Calculations
V_PK_REFERENCE_COL	Column to store Primary Key of the Stage Table

By default, the tables are packaged with the following metadata configurations.

Table 41: Data Quality Exception Report

V_DQ_STG_TBL	V_DQ_STG_BAL_AMT_COL	V_PK_REFERENCE_COL
STG_BORROWINGS	N_EOP_BAL	V_ACCOUNT_NUMBER
STG_CARDS	N_EOP_BAL	V_ACCOUNT_NUMBER
STG_CASA	N_EOP_BAL	V_ACCOUNT_NUMBER
STG_COMMITMENT_CONTRACTS	N_COMMITMENT_AMT	V_CONTRACT_CODE
STG_CREDIT_LINE_DETAILS	N_LINE_UTILIZED_AMT	V_CREDIT_LINE_CODE
STG_FORWARDS	N_EOP_BAL	V_CONTRACT_CODE
STG_INVESTMENTS	N_EOP_BAL	V_ACCOUNT_NUMBER
STG_LC_CONTRACTS	N_EOP_BAL	V_CONTRACT_CODE
STG_LEASES_CONTRACTS	N_EOP_BAL	V_ACCOUNT_NUMBER
STG_LOAN_CONTRACTS	N_EOP_BAL	V_ACCOUNT_NUMBER
STG_OD_ACCOUNTS	N_EOP_BAL	V_ACCOUNT_NUMBER
STG_REPO_CONTRACTS	N_EOP_BAL	V_CONTRACT_CODE
STG_TD_CONTRACTS	N_EOP_BAL	V_CONTRACT_CODE
STG_ACCT_RECOVERY_DETAILS	N_PRIN_RECOVERY_AMT	N_PRIN_RECOVERY_AMT
STG_ACCT_WRITE_OFF_DETAILS	N_PRIN_WRITE_OFF_AMT	V_ACCOUNT_NUMBER

NOTE Before running the DGS_DQ_CTL_BATCH, ensure the required configuration details are updated and available in the FSI_DGS_DQ_BALANCE_COL_MAP table.

The enhanced Data Quality Control functionality analyzes the impact of Data Quality failure on Regulatory Reporting based on Data Source. The report helps analyze the impact of Data Quality failure on a Cell value, and there is an option to drill down to account granularity to identify failed accounts. The analysis provides a Dashboard, Summary report, and Data Quality drill down report.

The following are the reports provided under Impact Summary.

- Impact Summary – Data Quality Impact Detail
- Click the Data Quality Map or the Stage Entity, to view the Impact Analysis.

Figure 178: Impact Summary



Or, click the **DQ Code** under **Data Quality Impact Detail** to view the **Impact Analysis**.

Figure 179: Data Quality Impact Detail

Data Quality Impact Detail								
Calendar Date	Stage Entity	Attribute	DQ Code	Data Source	% Failure	# of MDRM's impacted	Exception Amount	Record Count
12/31/2015	Stage Case Accounts	Parent Account Number	DQOUSTACT0778	Missing	0.61	24	114,967,098.00	4,929
		Country Code	DQOUSTACT3634	OFSA	0.10	151	145,271,091.00	2,946
	Stage Borrowings	Instrument Code	DQOUSTACT3636	OFSA	5.36	164	825,850,876.00	2,946
		Option Type	DQOUSTACT3618	OFSA	0.58	3	65,152,488,602.00	2,946
	Stage Investments	Product Code	DQFSDWRC0072	OFSA	4.85	256	14,507,811,435.31	2,946
		Repricing Date	DQFSDWDT0163	OFSA	1.43	17	17,675,089,558.00	2,946
	Stage Loan Contracts	Issuer Code	DQOUSTACT0102	OFSA	37.49	2340	3,767,975,505,835.58	6,013
		Encumbrance Reason	DQOUSTACT5459	OFSA	0.88	254	30,594,314,396.30	36,870
	Stage Case Accounts	Encumbrance Status Code	DQOUSTACT0641	OFSA	1.07	5	105,916,700,314.20	36,870
		Foreclosure Status Code	DQOUSTACT0357	OFSA	0.44	2	2,763,397,860.00	36,870
	Stage Loan Contracts	Guarantor Code	DQOUSTACT0358	OFSA	1.74	877	2,421,796,091.00	36,870
		Original Account Number	DQOUSTACT5435	OFSA	0.01	21	9,501,856.00	36,870
	Stage Case Accounts	Original Maturity Date	DQFSDWDT0088	OFSA	0.55	97	1,013,518,015.00	36,870
		Product Code	DQFSDWRC0103	OFSA	0.06	1938	35,508,551.20	36,870
	Stage Loan Contracts	Property Type Code	DQOUSTACT0366	OFSA	0.15	1808	347,333,851,000.00	36,870
		Purchased Or Originated Credit Impaired Account Flag	DQOUSTACT5488	OFSA	78.16	1010	1,214,664,789,163.64	36,870
	Stage Case Accounts	Repricing Date	DQFSDWDT0167	OFSA	47.42	23	1,063,052,316,207.34	36,870
		Sanctioned Limit	DQFSDWNU0207	OFSA	7.32	224	1,775,023,067,720.42	36,870
	Stage Loan Contracts	Securitisation Pool Identifier	DQOUSTACT3324	OFSA	0.27	157	75,945,910,924.00	36,870
		Undrawn Amount	DQFSDWNU0226	OFSA	74.33	301	1,408,589,387,727.76	36,870
	Stage Case Accounts	Used Or New Auto Loan Indicator	DQOUSTACT5487	OFSA	0.88	1805	5,118,701,101.00	36,870
		Deposit Service Provider	DQOUSTACT4043	Source1	0.39	1	26,599,409.00	5,066
	Stage Loan Contracts	Maturity Date	DQOUSTACT3905	Source1	0.20	110	43,180,864.00	5,066
		Parent Account Number	DQOUSTACT0778	Source1	0.59	24	114,967,098.00	5,066

- Impact Analysis - Summary Drill-Down Report

For the Stage, Table selected the DQ Codes, Cell Identifiers, Legal Entity, DQ details, Threshold Breach, Impacted Exception Amount, Final Cell value, and Impacted Cell Value are displayed.

Figure 180: Impact Analysis

DQ Code	DQ Check Type Name	DQ Description	Stage Entity	Attribute	Report	Schedule	Cell Identifier	Legal Entity	DQ Rule	DQ Rule Status	%	Threshold	DQ Exception Amount	Impaired Amount	Final Cell Value	Unpaired Cell Value
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0700701	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	117,809,329,482.00	117,809,329,482.00	117,809,329,482.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0700801	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	353,333,236,328.00	353,333,236,328.00	353,333,236,328.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0701030	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	187,762,246,451.00	187,762,246,451.00	187,762,246,451.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0701033	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	344,086,014,503.00	344,086,014,503.00	344,086,014,503.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0701039	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	6,101,228.00	124,028,802,000.00	124,028,802,000.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0708028	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	0.00	47,481,440,810.00	47,481,440,810.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0708089	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	0.00	93,758,883.00	93,758,883.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0708090	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	0.00	144,718,986,895.00	144,718,986,895.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0708200	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	0.00	0.00	0.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0708201	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	176,961,944,881.00	18,522,524,587.00	18,522,524,587.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0708403	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	103,268,546,111.00	103,268,546,111.00	103,268,546,111.00	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0708403	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	23,940,877,021.80	23,940,877,021.80	23,940,877,021.80	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0708403	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	23,940,877,021.80	23,940,877,021.80	23,940,877,021.80	
000076070102	Referential Integrity Check	Issue Reference associated with Investment should be present in Issue Dimension	Stage Investments	Issue Code	OFSA	RC	R0708403	Wells Fargo Bank, National Association	6.012	2.254	Y	1,767,975,000,000.00	471,122,000,000.00	471,122,000,000.00	471,122,000,000.00	

- Account Analysis Drill-Down Report

Click the **DQ Code** link in **Impact Analysis** to view the **Account Analysis Report**. This report displays the Account Number associated and the Exception Amount for the Account Balance based on the Data Source.

Figure 181: Account Analysis

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Data Quality

[Home](#)
[Impact Summary](#)
[Impact Analysis](#)
[Account Analysis](#)

Account Details for Data Quality Rule Exceptions - Stage Table/Column

Calendar Date

12/31/2015

Stage Entity

--Select Value--

Attribute

--Select Value--

DQ Check ID

--Select Value--

Legal Entity

--Select Value--

Product Name

--Select Value--

Data Source

OFSSA

Account Status

--Select Value--

Apply

Reset

Line of Business	Corporate banking						
Product Name	Account Number	DQ Check ID	Stage Entity	Attribute	Account Balance Column	Data Source	Exception Amount
Grand Total							
	LOANNEWID128460	DQ0USTACT01035	Stage Loan Contracts	Credit Status Code	IL_EOP_BAL	OFSSA	116,620,074,727.20
	LOANNEWID128460	DQ0USTACT01488	Stage Loan Contracts	Purchased Or Originated Credit Impaired Account Flag	IL_EOP_BAL	OFSSA	9,650,000,000.00
	LOANNEWID128460	DQ0SWIN02091	Stage Loan Contracts	Revised Maturity Date	IL_EOP_BAL	OFSSA	9,650,000,000.00
	LOANNEWID128460	DQ0SWIN02097	Stage Loan Contracts	Revised Maturity Date	IL_EOP_BAL	OFSSA	9,650,000,000.00
	LOANNEWID128460	DQ0SWIN02091	Stage Loan Contracts	Sanctioned Limit	IL_EOP_BAL	OFSSA	9,650,000,000.00
	LOANNEWID128460	DQ0SWIN02097	Stage Loan Contracts	Sanctioned Limit	IL_EOP_BAL	OFSSA	9,650,000,000.00
	LOANNEWID128460	DQ0SWIN02097	Stage Loan Contracts	Undrawn Amount	IL_EOP_BAL	OFSSA	9,650,000,000.00
	LOANNEWID128505	DQ00TCN0010	Stage Loan Contracts	Value Date	IL_EOP_BAL	OFSSA	439,389.00
	LOANNEWID128505	DQ0USTACT01035	Stage Loan Contracts	Credit Status Code	IL_EOP_BAL	OFSSA	439,389.00
	LOANNEWID128505	DQ0USTACT01488	Stage Loan Contracts	Purchased Or Originated Credit Impaired Account Flag	IL_EOP_BAL	OFSSA	439,389.00
	LOANNEWID128505	DQ0SWIN02091	Stage Loan Contracts	Revised Maturity Date	IL_EOP_BAL	OFSSA	439,389.00
	LOANNEWID128505	DQ0SWIN02097	Stage Loan Contracts	Revised Maturity Date	IL_EOP_BAL	OFSSA	439,389.00
	LOANNEWID128505	DQ0SWIN02097	Stage Loan Contracts	Sanctioned Limit	IL_EOP_BAL	OFSSA	439,389.00
	LOANNEWID128505	DQ0SWIN02097	Stage Loan Contracts	Undrawn Amount	IL_EOP_BAL	OFSSA	439,389.00
	LOANNEWID109468	DQ0USTACT01035	Stage Loan Contracts	Credit Status Code	IL_EOP_BAL	OFSSA	130,314.90
	LOANNEWID109468	DQ0USTACT01488	Stage Loan Contracts	Purchased Or Originated Credit Impaired Account Flag	IL_EOP_BAL	OFSSA	130,314.90
	LOANNEWID109468	DQ0SWIN02091	Stage Loan Contracts	Revised Maturity Date	IL_EOP_BAL	OFSSA	130,314.90
	LOANNEWID109468	DQ0SWIN02097	Stage Loan Contracts	Sanctioned Limit	IL_EOP_BAL	OFSSA	130,314.90
Other Loan	LOAN1314	DQ00TCN0010	Stage Loan Contracts	Value Date	IL_EOP_BAL	OFSSA	8,349,000.00
Other Loan	LOAN1314	DQ0USTACT01035	Stage Loan Contracts	Credit Status Code	IL_EOP_BAL	OFSSA	8,349,000.00
Other Loan	LOAN1314	DQ0USTACT01488	Stage Loan Contracts	Purchased Or Originated Credit Impaired Account Flag	IL_EOP_BAL	OFSSA	8,349,000.00
Other Loan	LOAN1314	DQ0SWIN02091	Stage Loan Contracts	Revised Maturity Date	IL_EOP_BAL	OFSSA	8,349,000.00
Other Loan	LOAN1314	DQ0SWIN02097	Stage Loan Contracts	Sanctioned Limit	IL_EOP_BAL	OFSSA	8,349,000.00
Other Loan	LOAN1314	DQ0SWIN02097	Stage Loan Contracts	Undrawn Amount	IL_EOP_BAL	OFSSA	8,349,000.00
Other Loan	LOAN13088	DQ00TCN0010	Stage Loan Contracts	Value Date	IL_EOP_BAL	OFSSA	8,311,000.00
Other Loan	LOAN13088	DQ0USTACT01488	Stage Loan Contracts	Purchased Or Originated Credit Impaired Account Flag	IL_EOP_BAL	OFSSA	8,311,000.00

[Data Quality: Impact Summary](#) >
[Data Quality: Impact Summary](#) >
[Data Quality: Account Analysis](#)

- Click the **Cell Identifier** link in **Impact Analysis** to view the Cell drill-down report.

Figure 182: Account Details

Product Name	Account Number	Data Source	Exception Amount	Final Value
Grand Total			117,809,329,482.00	117,809,329,482.00
PRCDY0	INVEST15288	OFSA	28,703,425,484.00	28,703,425,484.00
	INVEST15290	OFSA	30,201,236,277.00	30,201,236,277.00
	INVEST15310	OFSA	28,703,425,484.00	28,703,425,484.00
	INVEST15312	OFSA	30,201,236,277.00	30,201,236,277.00

15.2 Controls Dashboard

Execute the batches corresponding to Controls to view the Controls dashboards. For Controls Dashboard refer to the [APME \(APRA/RBI/MAS/HKMA\) Run Chart](#) and execute the batch DGS_DQ_CTL_BATCH for the date on which the control and assessment need to be executed. Refer to the [APME \(APRA/RBI/MAS/HKMA\) Run Chart](#) for further details.

This section displays two dashboard pages:

- Summary
- Controls by Regulatory Reports

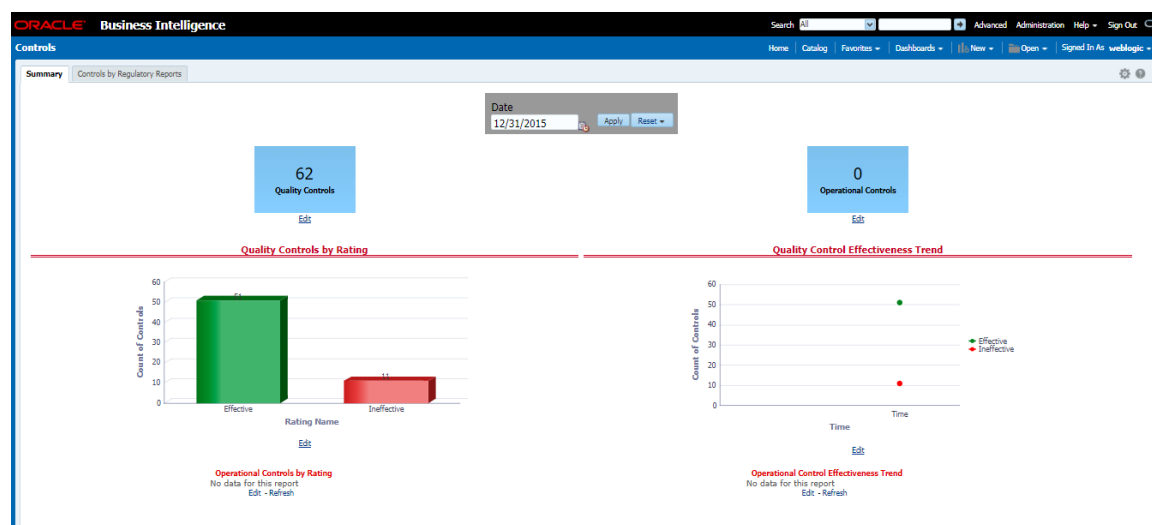
15.2.1 Summary

Select the date to generate the dashboard reports.

The following are the types of Controls that appear as the Performance Tiles in the **Controls** module:

- **Total Controls:** Provides the number of total controls present in the system.
- **Quality Control:** Provides the number of Quality controls present in the system.
- **Operational Control:** Provides the number of operational controls present in the system.
- **Ineffective Controls:** Provides the number of ineffective controls present in the system.
- **Issues:** Provides the number of issues present in the system.
- **Action:** Provides the number of actions present in the system.

Figure 183: Summary



15.2.1.1 Quality Controls by Rating

This section provides the graphical representation of the Number of Controls against Quality Controls. The following are the types of Rating Names:

- Effective

- Ineffective

Figure 184: Quality Controls by Rating



1. Click the graphs to view the drill-down **Control Assessment** reports. The following data appears under the Control Assessment Details dashboard:

- Control ID
- Control Name
- Number of DQ checks
- Assessment ID
- Assessment Date
- Effective Score
- Rating Name

Figure 185: Control Assessment Details

Control Assessment Details						
Control ID	Control Name	Number of DQ checks	Assessment ID	Assessment Date	Effective Score	Rating Name
51010	Original Term in Original Term	2	52782	12-Nov-16	80.00	Ineffective
51020	Interest Provision Amount MTD in Interest Provision Amount MTD	1	52785	12-Nov-16	80.00	Ineffective
51029	Account Write-off Date in Account Write-off Date	1	52772	12-Nov-16	80.00	Ineffective
51080	Card Renewal Date in Card Renewal Date	1	52784	12-Nov-16	80.00	Ineffective
51113	Next Payment Date in Next Payment Date	1	52777	12-Nov-16	100.00	Ineffective
51114	Account Open Date in Account Open Date	1	52786	12-Nov-16	80.00	Ineffective
51139	Account Writeback Date in Account Writeback Date	1	52778	12-Nov-16	80.00	Ineffective
51180	Next Payment Date in Next Payment Date	1	52773	12-Nov-16	80.00	Ineffective
51226	Adjustment Effective Date in Adjustment Effective Date	2	52787	12-Nov-16	100.00	Ineffective
51278	Last Repriced Date in Last Repriced Date	1	52788	12-Nov-16	80.00	Ineffective
51293	End Of Period Balance in End Of Period Balance	1	52781	12-Nov-16	80.00	Ineffective
51305	Billing Cycle Date in Billing Cycle Date	1	52783	12-Nov-16	80.00	Ineffective
51395	Last Activity Date in Last Activity Date	1	52771	12-Nov-16	80.00	Ineffective
51415	Last Card Status Update Date in Last Card Status Update Date	1	52775	12-Nov-16	80.00	Ineffective
51444	Last Payment Date in Last Payment Date	1	52776	12-Nov-16	80.00	Ineffective
51517	Number Of Times Delinquent Throughout Life in Number Of Times Delinquent Throughout Life	1	52789	12-Nov-16	80.00	Ineffective
51540	Last Credit Limit Change Date in Last Credit Limit Change Date	1	52779	12-Nov-16	80.00	Ineffective
51583	Next Reprice Date in Next Reprice Date	1	52780	12-Nov-16	80.00	Ineffective
51839	Revised Renewal Date in Revised Renewal Date	1	52774	12-Nov-16	100.00	Ineffective

[Return](#) - [Edit](#) - [Create Bookmark Link](#)

2. In the **Assessment ID** column, click the required link to view the drill-down **Control Parameter Score**.

Figure 186: Control Parameter Score

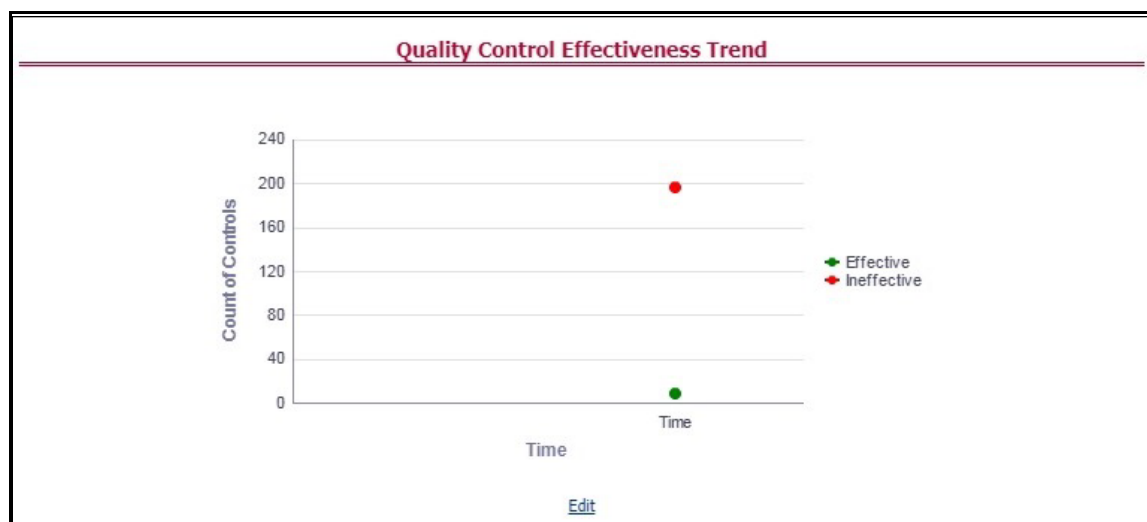
Control Parameter Score							
Control ID	Assessment ID	Assessment Date	Parameter ID	Parameter Name	Parameter Weight	Parameter Value	Parameter Score
51010	52782	12-Nov-16	1	Number of DQ checks that the data element goes through	80.00	2	1.00
			2	Percentage of error flags (from all DQs put together)	20.00	97.5	0.00

[Return](#) - [Edit](#) - [Create Bookmark Link](#)

15.2.1.2 Quality Control Effectiveness Trend

This section provides the graphical representation of the Number of Quality Controls within six months from the selected date.

Figure 187: Quality Control Effectiveness Trend



1. Click the graphs to view the drill-down **Control Assessment** reports.
The following data appears under the Control Assessment dashboard:
 - Control ID
 - Control Name
 - Number of DQ checks
 - Assessment ID
 - Assessment Date
 - Effective Score
 - Rating Name
2. Click Assessment ID to view the drill-down Control Parameter Score.

15.2.1.3 Operational Controls by Rating

This section provides the graphical representation of the Number of Controls against Operational Controls. The following are the types of Rating Names:

- Effective
- Ineffective

Figure 188: Operational Controls by Rating



1. Click the graphs to view the drill-down **Control Assessment** reports. The following data appears under the Control Assessment dashboard:
 - Control ID
 - Control Name
 - Number of DQ checks
 - Assessment ID
 - Assessment Date
 - Effective Score
 - Rating Name
2. Click Assessment ID to view the drill-down Control Parameter Score.

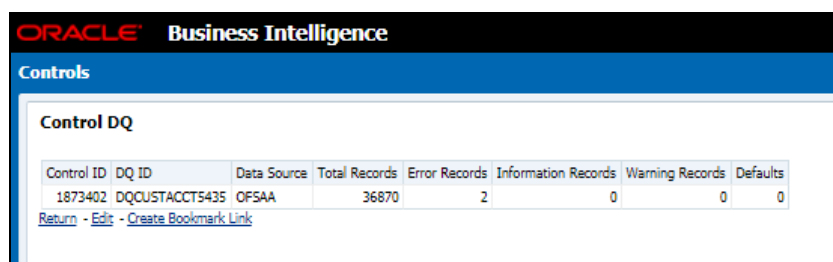
15.2.1.4 Data Quality Controls

This section displays the Data Quality associated with the control along with the data source and the number of scanned records and error information and warning.

To open this report, follow these steps:

1. From the **Dashboards**, select **Controls**.
2. Click **Quality Controls** and then select a required Control ID. This displays the data quality associated with the control with their data source along with total records scanned and error records.

Figure 189: Control DQ



Control ID	DQ ID	Data Source	Total Records	Error Records	Information Records	Warning Records	Defaults
1873402	DQOUSTACCT5435	OF5AA	36870	2	0	0	0

[Return](#) - [Edit](#) - [Create Bookmark Link](#)

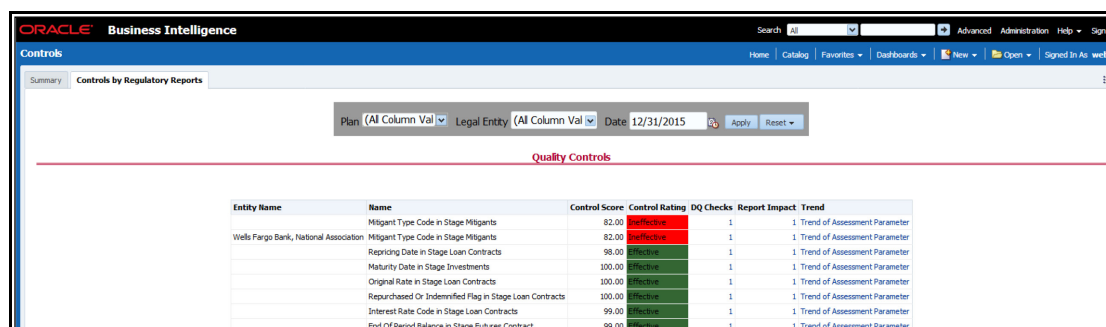
15.2.2 Controls by Regulatory Reports

Select the desired Regulatory Report and Date and then click **Apply** to view the **Control Assessment Analysis** dashboard.

The following details are listed in the Control Assessment Analysis report:

- Rating Name
- Reporting Line Item

Figure 190: Controls by Regulatory Reports



Entity Name	Name	Control Score	Control Rating	DQ Checks	Report Impact	Trend
Wells Fargo Bank, National Association	Mitigant Type Code in Stage Mitigants	82.00	Defective	1	1	1. Trend of Assessment Parameter
	Mitigant Type Code in Stage Mitigants	82.00	Defective	1	1	1. Trend of Assessment Parameter
	Repurch Date in Stage Loan Contracts	98.00	Effective	1	1	1. Trend of Assessment Parameter
	Maturity Date in Stage Investments	100.00	Effective	1	1	1. Trend of Assessment Parameter
	Original Rate in Stage Loan Contracts	100.00	Effective	1	1	1. Trend of Assessment Parameter
	Repurchased Or Indemnified Flag in Stage Loan Contracts	100.00	Effective	1	1	1. Trend of Assessment Parameter
	Interest Rate Code in Stage Loan Contracts	99.00	Effective	1	1	1. Trend of Assessment Parameter
	End Of Period Balance in Stage Futures Contract	99.00	Effective	1	1	1. Trend of Assessment Parameter

15.3 Key Indicators Dashboards

Key Indicators dashboard displays the various types of reports based on the analysis of the Key Indicators in the system. For the Key Indicators, Dashboards refer to the [APME \(APRA/RBI/MAS/HKMA\) Run Chart](#) and execute the batch DGS_KI_BATCH for the date on which the Key Indicator needs to be executed. Refer to the [APME \(APRA/RBI/MAS/HKMA\) Run Chart](#) for further details.

NOTE

The Key Indicators dashboard will reflect only those KIs for which the report or schedules or cells have been configured in the KI configuration.

The Key Indicators Dashboard provides data based on selecting the values from the following list of dropdowns:

- Jurisdiction
- Report Code

- Schedule Code
- Cell ID
- Legal Entity
- Date

Click **Apply** to generate the reports.

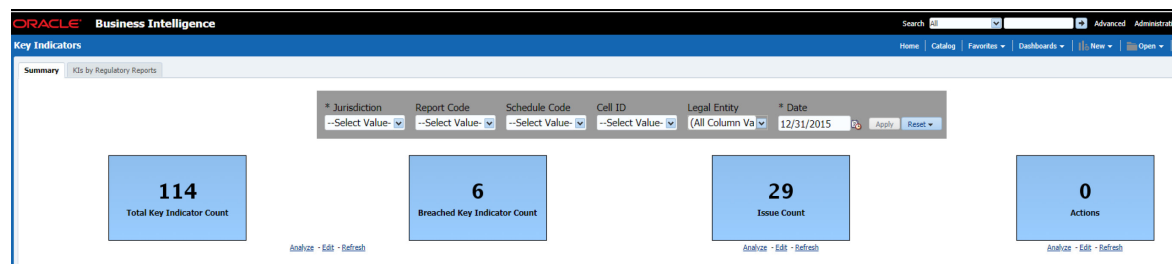
Click **Reset** to reset the values.

15.3.1 Key Indicators - Summary

The **Summary** tab consists of these performance tiles:

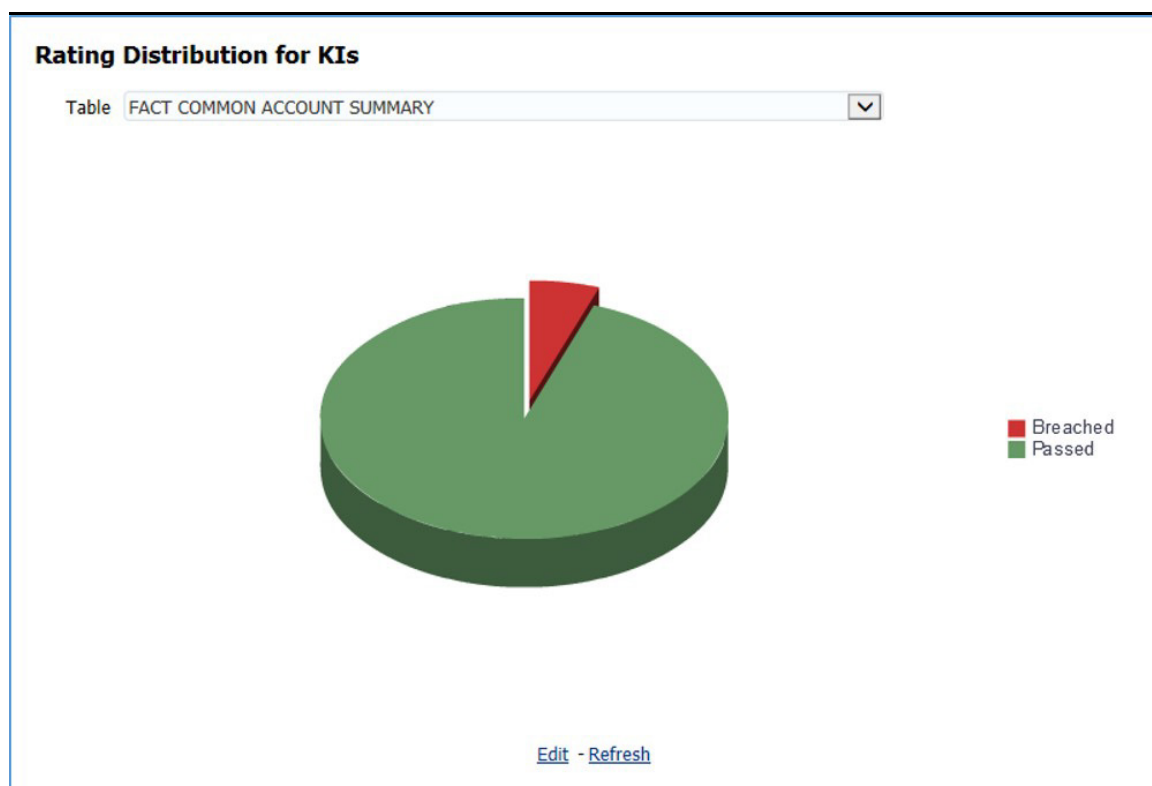
- **Total Key Indicator Count:** Displays the total number of Key Indicators.
- **Breached Key Indicator Count:** Displays the total number of Breached Key Indicators.
- **Issue Count:** Displays the total number of Issue-based Key Indicators.
- **Actions:** Displays the total number of Action based Key Indicators.

Figure 191: Key Indicators

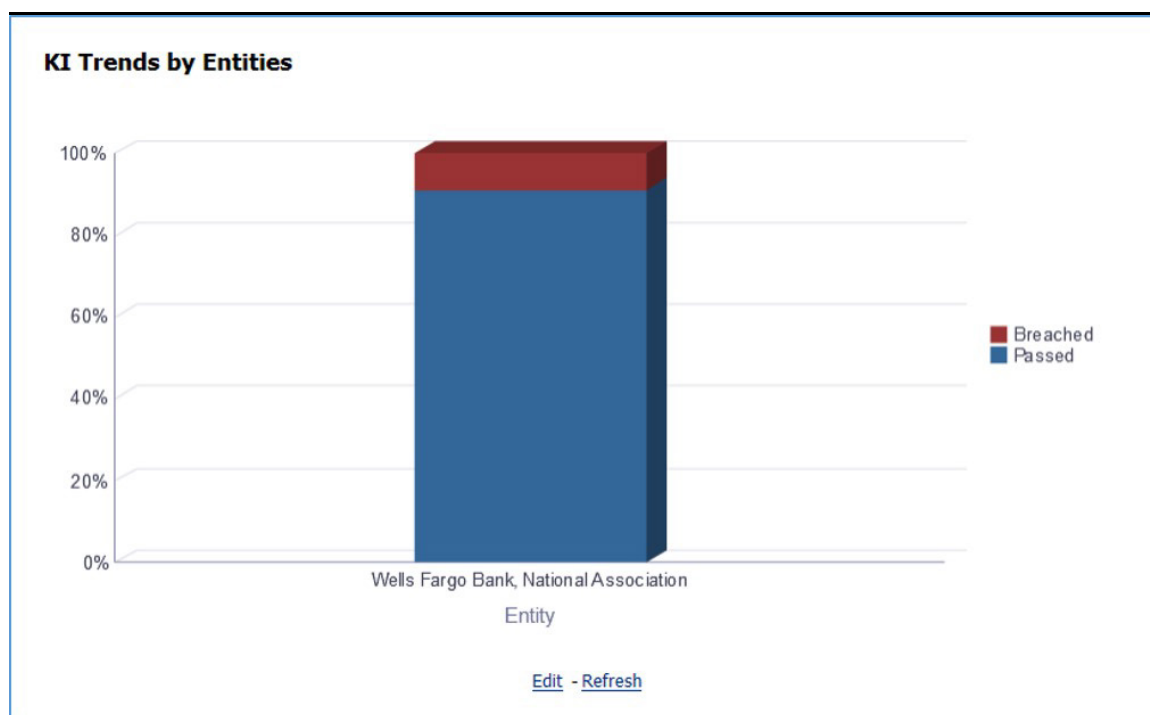


These are the KI Summary dashboard sections:

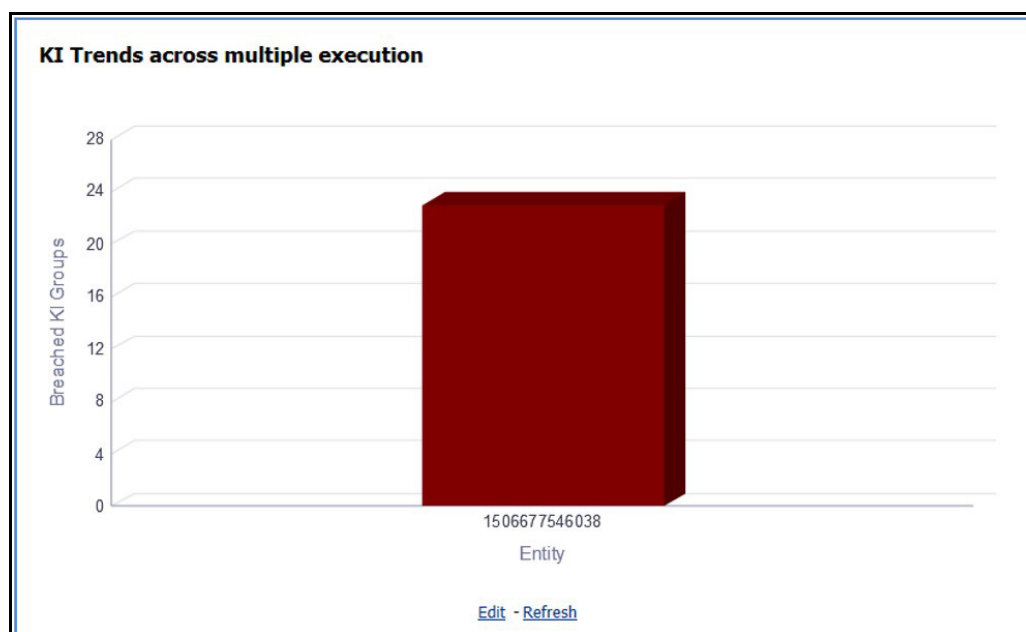
- **Rating Distribution for KIs:** Displays the latest rating distribution for the assessed Key Indicators.

Figure 192: Rating Distribution for KIs

KI Trends by Entities: Displays the trend of the latest entities for the assessed Key Indicators.


Figure 193: KI Trends by Entities

KI Trends across multiple executions: Displays the latest trend across multiple executions for the assessed Key Indicators.

Figure 194: KI across multiple executions

Issues and Actions:

Figure 195: Issues and Actions

Issues			Actions		
Issue Name	Created By	Target Date	Action Name	Created By	Target Date
Data Quality check failure End Of Period Balance in Stage Casa Accounts 31-DEC-10	EBAUSER	04-Apr-2018	Action ADj errors test	EBAUSER	3/19/2018 12:00:00 AM
		04-Apr-2018	Action for Data ADJ others	EBAUSER	3/15/2018 12:00:00 AM
Issue in Control Assessment ID- 338735	EBAUSER	23-Mar-2018	action DQ errors	EBAUSER	3/15/2018 12:00:00 AM
Issue in Control Assessment ID- 338738	EBAUSER	23-Mar-2018	action for others test	EBAUSER	3/15/2018 12:00:00 AM
Issue in Control Assessment ID- 376251	EBAUSER	03-Apr-2018	Edit - Refresh		
Issue in Control Assessment ID- 376254	EBAUSER	03-Apr-2018			
Issue in Control Assessment ID- 376257	EBAUSER	03-Apr-2018			
Issue in KI Assessment ID- 323144	EBAUSER	22-Mar-2018			
Issue in KI Assessment ID- 323174	EBAUSER	22-Mar-2018			
Issue in KI Assessment ID- 323207	EBAUSER	22-Mar-2018			
 Rows 1 - 10			Edit - Refresh		

15.3.1.1 Viewing Key Indicator Details

- To view the Key Indicator details:

To view the Key Indicator details for a performance tile, click that performance tile.

The following Key Indicator details appear:

- Key Indicator ID
- Key Indicator Name
- Key Indicator Description
- Entity
- Attribute

Figure 196: Breached Key Indicator Details

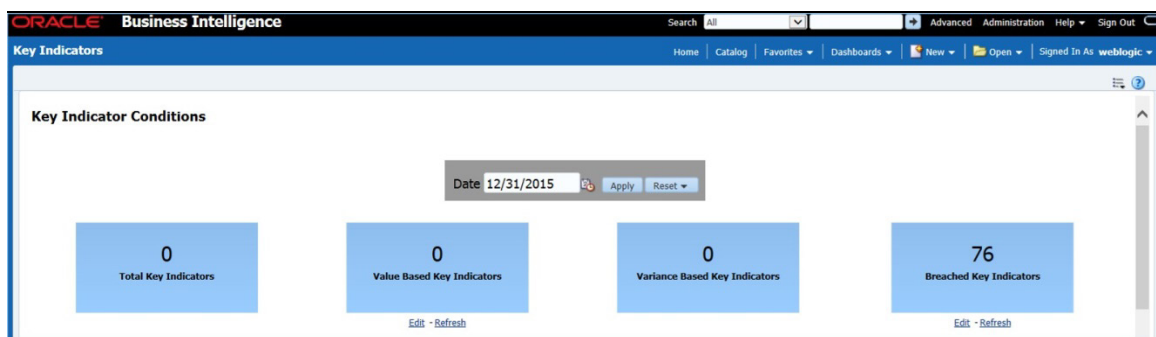
Breached Key Indicator Details

Key Indicator Id	Key Indicator Name	Key Indicator Description	Entity	Attribute
17	Book Value In Reporting Currency In Fact Fixed Assets	This Column Stores The Book Value Of The Exposure In Reporting Currency. Book Value Is Similar To The Cost Basis And Doesn't Reflect The Market Value.	FACT FIXED ASSETS	BOOK VALUE IN REPORTING CURRENCY
44	Accrued Interest In Reporting Currency In Regulatory Account Summary	This Stores The Accrued Interest Of The Exposure In The Reporting Currency. This Is The Interest Accrued As Of Date, And Which Is Not Yet Paid To The Exposure Holder	REGULATORY ACCOUNT SUMMARY	ACCRUED INTEREST IN REPORTING CURRENCY
118	Effective Maturity In Fact Regulatory Capital Account Summary	This Stores The Effective Maturity Of The Exposure.	FACT REGULATORY CAPITAL ACCOUNT SUMMARY	EFFECTIVE MATURITY
119	Effective Maturity In Fact Regulatory Capital Pool Summary	This Stores The Effective Maturity Of The Exposure	FACT REGULATORY CAPITAL POOL SUMMARY	EFFECTIVE MATURITY
216	Exposure At Default Post Mitigation For The Exposure In Fact Regulatory Capital Pool Summary	This Stores The Exposure At Default Amount Post Mitigation By All Eligible Mitigants	FACT REGULATORY CAPITAL POOL SUMMARY	EXPOSURE AT DEFAULT POST MITIGATION FOR THE EXPOSURE
221	Exposure At Default Pre Mitigation In Fact Regulatory Capital Pool Summary	This Stores The Exposure At Default Pre Mitigation	FACT REGULATORY CAPITAL POOL SUMMARY	EXPOSURE AT DEFAULT PRE MITIGATION
237	Interest Expense In Reporting Currency In Regulatory Account Summary	This Column Stores The Interest Expenses Incurred By The Account By The Financial Institution For The Period In Reporting Currency.	REGULATORY ACCOUNT SUMMARY	INTEREST EXPENSE IN REPORTING CURRENCY
269	Fair Value In Reporting Currency In Fact Fixed Assets	This Column Stores Fair Value Of An Asset In Reporting Currency. Fair Value Is A Rational And Unbiased Estimate Of The Potential Market Price Of And Asset.	FACT FIXED ASSETS	FAIR VALUE IN REPORTING CURRENCY
278	Funded Default Fund Contribution Amount In Fact Regulatory Counterparty Capital Summary	Reporting Entity's Default Fund Contribution Backed By Funded Commitments	FACT REGULATORY COUNTERPARTY CAPITAL SUMMARY	FUNDED DEFAULT FUND CONTRIBUTION AMOUNT
290	Historical Acquisition Cost In Reporting Currency In Regulatory Account Summary	This Stores The Historical Acquisition Cost In Reporting Currency	REGULATORY ACCOUNT SUMMARY	HISTORICAL ACQUISITION COST IN REPORTING CURRENCY

Key Indicators: Summary > Breached Key Indicator Details

To view the **Key Indicator Conditions** details for a Key Indicator, click the required **Key Indicator ID**. The **Key Indicator Conditions** page with dashboards appears.

Figure 197: Key Indicator Conditions



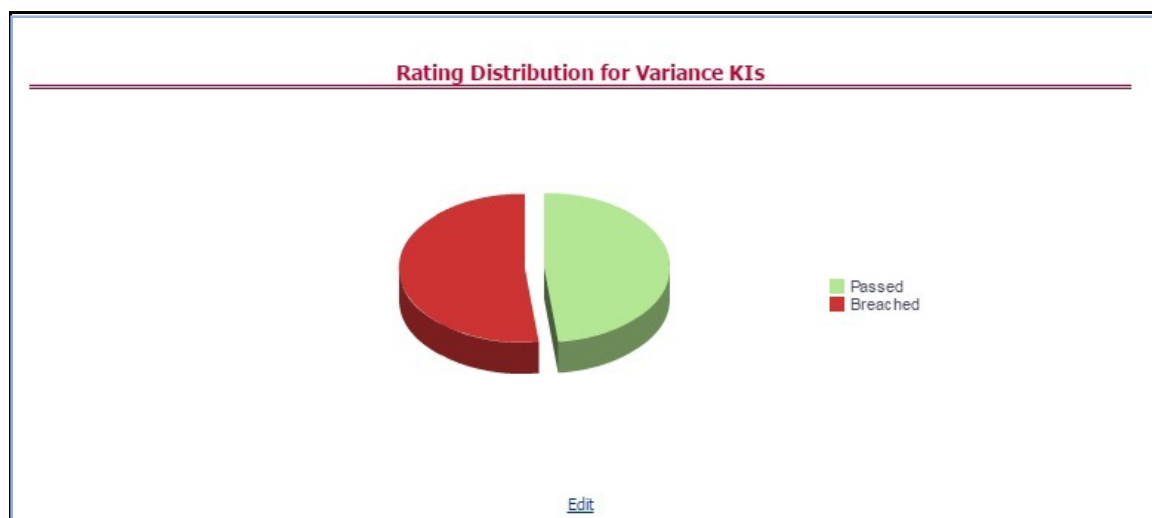
15.3.1.2 Viewing Key Indicator Conditions Details

The **Key Indicator Conditions** page displays different Conditions based on which Key Indicators are assessed.

These are the sections of the Key Indicator Conditions dashboards:

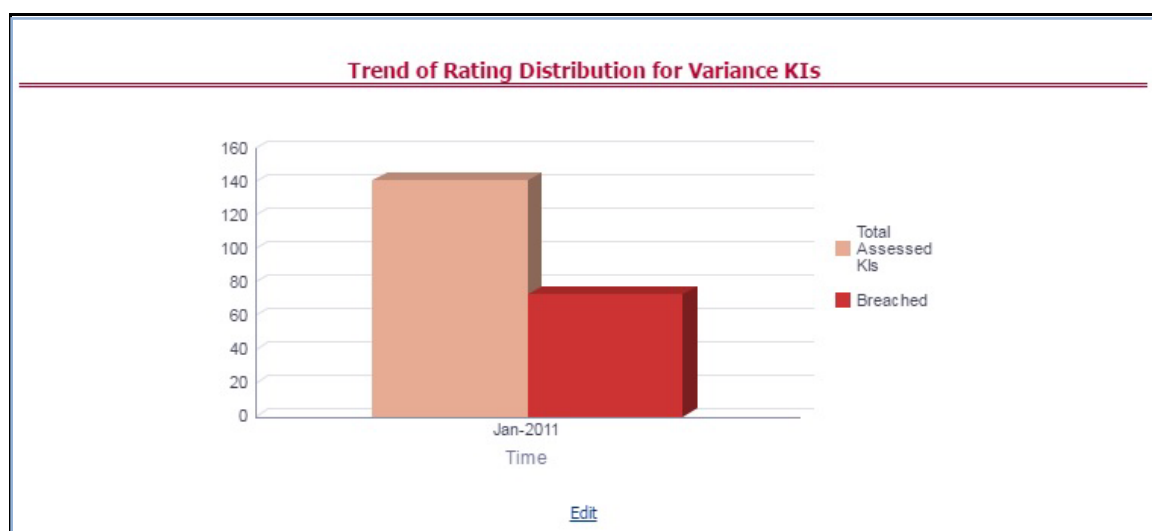
Rating Distribution for Variance KIs: This report displays the latest rating distribution for the assessed Variance Key Indicators.

Figure 198: Rating Distribution for Variance KIs



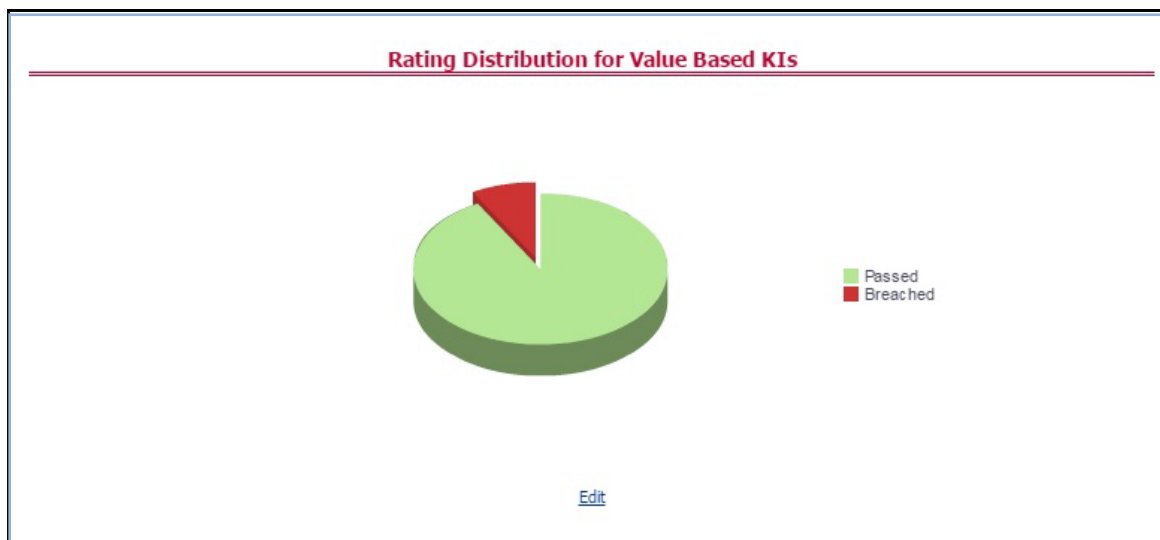
Trend of Rating Distribution for Variance KIs: For the assessed Variance Key Indicators, this report displays the trend of the latest rating distribution.

Figure 199: Trend of Rating Distribution for Variance KIs



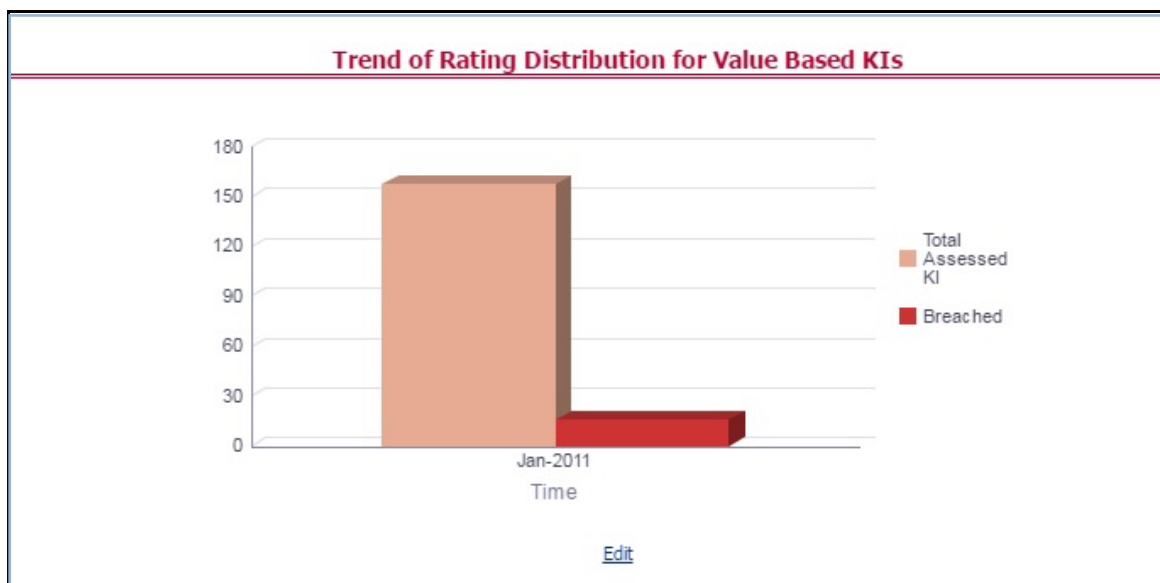
Rating Distribution for Value-Based KIs: This report displays the latest rating distribution for the assessed Value-Based Key Indicators.

Figure 200: Rating Distribution for Value-Based KIs



- **Trend of Rating Distribution for Value-Based KIs:** This report displays the trend of the latest rating distribution for the assessed Value-Based Key Indicators.

Figure 201: Trend of Rating Distribution for Value-Based KIs



To view the Key Indicator Conditions details:

To view the Key Indicator Conditions details for a performance tile, click that performance tile. The following Key Indicator Conditions details appear:

- Key Indicator Condition ID
- Name
- Description
- Comment
- Type

Figure 202: Key Indicator Conditions

Key Indicator Condition ID	Name	Description	Comment	Type
33005	Edit No.9179: Assets Held In Trading Accounts - Revaluation Gains On Interest Rate, Foreign Exchange Rate, And Other Commodity And Equity Contracts (bhcsa210) Should Not Be Negative	BHCSA210 should not be negative	KI Comments	Value Based
33200	Edit No.9480: Notional Amounts By Regulatory Capital Treatment: All Other Positions: Purchased Protection That Is Recognized As A Guarantee For Regulatory Capital Purposes(Bhckg404) Should Not Be Null And Should Not Be Negative	BHCKG404 should not be null and should not be negative	KI Comments	Value Based
33201	Edit No.9480: Notional Amounts By Regulatory Capital Treatment: All Other Positions: Purchased Protection That Is Not Recognized As A Guarantee For Regulatory Capital Purposes(Bhckg405) Should Not Be Null And Should Not Be Negative	BHCKG405 should not be null and should not be negative	KI Comments	Value Based
33298	Edit No.9030: Bhck6761 Should Not Be Null And Should Not Be Negative	BHCK6761 should not be null and should not be negative	KI Comments	Value Based
33299	Edit No.9040: Bhck4172 Should Not Be Negative	bhck4172 should not be negative	KI Comments	Value Based
33518	Edit No.9480: Bhck3164 Should Not Be Null And Should Not Be Negative	BHCK3164 should not be null and should not be negative	KI Comments	Value Based
33519	Edit No.9480: Bhck6438 Should Not Be Null And Should Not Be Negative	BHCK6438 should not be null and should not be negative	KI Comments	Value Based
33847	Edit No.9480: Interest Rate Contracts - Notional Value Of All Outstanding Interest Rate Swaps(Bhck3450) Should Not Be Null And Should Not Be Negative	BHCK3450 should not be null and should not be negative	KI Comments	Value Based
33848	Edit No.9480: Foreign Exchange Swaps(Bhck3826) Should Not Be Null And Should Not Be Negative	BHCK3826 should not be null and should not be negative	KI Comments	Value Based
33849	Edit No.9480: Equity Swaps(Bhck8719) Should Not Be Null And Should Not Be Negative	BHCK8719 should not be null and should not be negative	KI Comments	Value Based
33850	Edit No.9480: Commodity And Other Swaps(Bhck8720) Should Not Be Null And Should Not Be Negative	BHCK8720 should not be null and should not be negative	KI Comments	Value Based
33987	Edit No.6545: Bhck3164 Less Than Or Equal To Sum Of Bhck6438 + 25	bhck3164 less than or equal to sum of bhck6438 + 25	KI Comments	Value Based

To view the **Assessment Details** page for a required Key Indicator Condition, click the corresponding **Key Indicator Condition ID**.

The **Assessment Details** page appears with the following details:

- **Assessment ID:** This is the Assessment ID corresponding to the selected Key Indicator ID.
- **Key Indicator ID:** This is the selected Key Indicator ID.

Current Period Value: The current period value for the selected Key Indicator ID.

- **Previous Period Value:** The previous period value for the selected Key Indicator ID.
- **Variance:** The difference in Current and Previous Period Value for the selected Key Indicator ID.

Variance %: The percentage of Variance based on the Previous Period value.

- **RAG Score:** The RAG value of the selected Key Indicator depending on the various values.
- **Status:** The status of the selected Key Indicators depending on the various values.

Figure 203: Assessment Details

Assessment ID	Key Indicator ID	Current Period Value	Previous Period Value	Variance	Variance %	Rag Score	Status
322935	33201	1.00				10	Red
326712	33201	1.00				10	Red

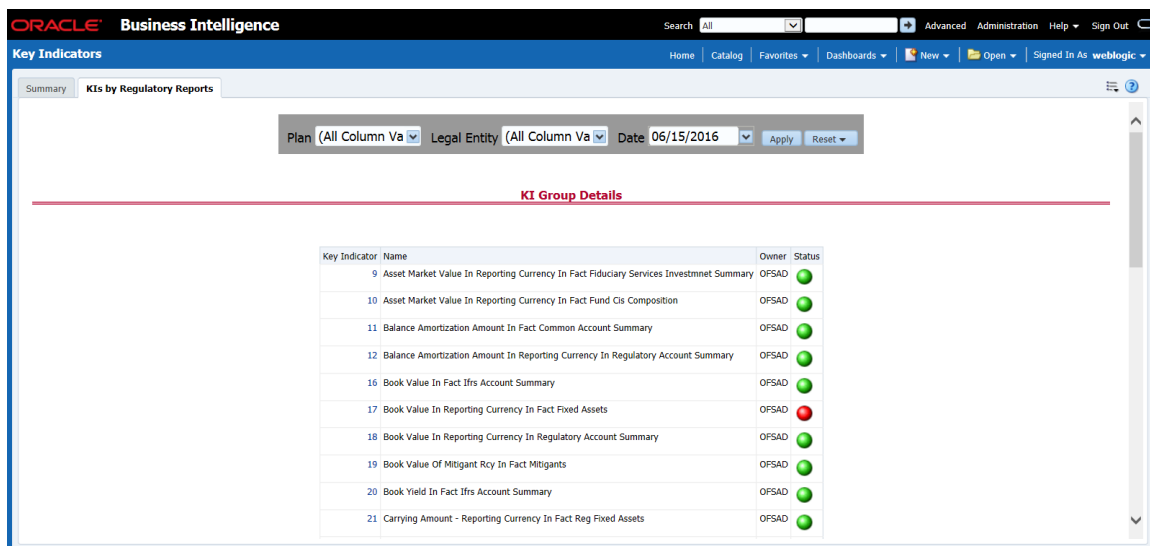
15.3.2 KIs by Regulatory Reports

The **KIs by Regulatory Reporting** page displays the Key Indicator Group Details with the following columns:

- Key Indicator
- Name
- Owner
- Status

To view the above-mentioned column values for a particular report, select the required report name in the **Plan** dropdown box, and column name in the **Legal Entity** dropdown box. Click **Apply**. A list of KI Group Details appears.

Figure 204: KIs by Regulatory Reporting



For the required Key Indicator, to view the Variance Analysis, Validation Check Analysis, and Trend Analysis, click any Key Indicator number. These details appear at the bottom of the page:

Variance Analysis: Variance Analysis provides these data for the selected report:

- **Report:** Displays the reporting line item for the selected report.
- **Schedule:** Displays the schedule code for the respective reporting line item.

Cell Reference: Displays the cell ID for the respective reporting line item.

- **KI Condition:** Displays the KI condition name.
- **Current Value:** Provides the current period value for the respective Reporting line item.

Previous Value: Provides the previous period value for the respective Reporting line item.

- **Variance %:** Displays the percentage of Variance based on Previous Value.
- **Status:** The status of the selected Key Indicators depending on the various values.

Dependent KIs: Displays the other Key Indicators on which this cell ID is dependent.

To view the Assessment details of the selected Key Indicator, click **Dependent KIs**. The Assessment Details page appears.

Validation Checks: Displays all the Value-based Key Indicators associated with that Key Indicator Group key. For the selected report, these details appear:

- **Report:** Displays the reporting line item for the selected report.

Schedule: Displays the schedule code for the respective reporting line item.

- **Cell Reference:** This displays the cell ID for the respective reporting line item.
- **KI Condition:** Displays the KI condition name.

Status: The status of the selected Key Indicators depending on the various values.

- **Dependent KIs:** Displays the other Key Indicators on which this cell ID is dependent.
- **Trend Analysis:** Displays the trend of total assessed Key Indicators and breached Key Indicators for a particular time interval.

Figure 205: Trend Analysis



To view the **Key Indicator Details** drill down report, click the graph points.

Figure 206: Key Indicator Details

Key Indicator Details					
Key Indicator ID	Name	Description	Comment	Type	
35458.00	Edit No.8400: Rcfdb868 Equal To Rcfdb868	rcfdb868 equal to rcfdb868	KI Comments	Value Based	
36650.00	Edit No.0226: If Probability Of Default (Pct) 0.03 To < 0.10(Aahg003) Is Equal To Null, Then Probability Of Default (Pct) 0.03 To < 0.10(Aahg003) Through Aahf003 Should Be Equal To Null	If AAh43003 is equal to null, then aahf003 through aahf003 should be equal to null	KI Comments	Value Based	
37212.00	Edit No.203: How Many Loss Caps Are Used In Calculating The Risk-Based Capital Requirement For Operational Risk(Aasg121) Must Not Be Negative	AASG121 must not be negative	KI Comments	Value Based	
48058.00	Edit No.V3906_S: Debt Securities-General Governments-Collective Allowances For Incurred But Not Reported Losses-10064(F0404030050) Should Be Lesser Than Or Equal To 0	F0404030050 should be lesser than or equal to 0 and Edit no. is v3906_s	KI Comments	Value Based	
48644.00	Edit No.V3928_S: Other Commitments Received-Central Banks-Nominal Amount-39665(F09020160020) Should Be Greater Than Or Equal To 0	F09020160020 should be greater than or equal to 0 and Edit no. is v3928_s	KI Comments	Value Based	
49090.00	Edit No.V3956_S: Impairment Or (-) Reversal Of Impairment Of Investment In Subsidiaries, Joint Ventures And Associates-Subsidiaries- Accumulated Impairment-11794(F1607070040) Should Be Lesser Than Or Equal To 0	F1607070040 should be lesser than or equal to 0 and Edit no. is v3956_s	KI Comments	Value Based	

In the **Key Indicator ID** column, click the link of the required KI ID to view the **Assessment Details** report.

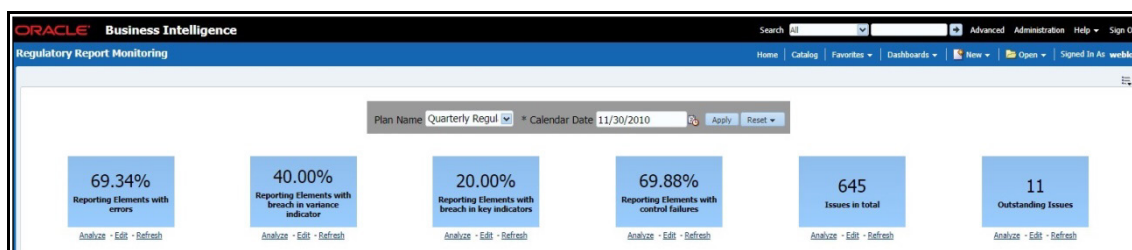
15.4 Regulatory Report Monitoring

Select a Plan Name from the dropdown, and then select a date from the calendar and click **Apply** to view the Regulatory Report Monitoring.

The following values appear in terms of Performance Tiles:

- **Reporting Elements with Errors:** Displays the percentage of Reporting Elements with Errors.
- **Reporting Elements with a breach in Variance Indicators:** Displays the percentage of Reporting Elements associated with breached Variance Key Indicators.
- **Reporting Elements with a breach in Key Indicators:** Displays the percentage of Reporting Elements associated with breached Key Indicators.
- **Reporting Elements with Control Failures:** Displays the percentage of Reporting Elements associated with failed controls.
- **Issues in total:** Displays the total number of issues associated with Controls and KI.
- **Outstanding Issues:** Displays the total number of open issues.

Figure 207: Regulatory Report Monitoring



Regulatory Report Monitoring dashboard displays the following grids:

- Plan Analysis by Report
- Issue and Action Tracking

15.4.1 Plan Analysis by Report

This analysis displays reports, schedules, and count of Reporting Elements associated with the selected Plan.

1. Select the **Report Name** from the drop-down to view the following data:
 - **Report/Schedule Name:** Displays the name of the report/schedule.
 - **Total:** Displays the number of reporting elements linked to a schedule.
 - **No Errors:** Displays the number of reporting elements without errors.
 - **Variance Indicator Breach:** Displays the number of reporting elements linked to the breached Variance Indicators.
 - **KI Breach:** Displays the number of reporting elements linked to the breached Value-Based Key Indicators.
 - **Control Failure:** Displays the number of reporting elements linked to failed controls.

Figure 208: Plan Analysis by Report

Plan Analysis by Report					
Report / Schedule	Total	No Errors	Reporting Elements		
			Variance Indicator breach	KI Breach	Control Failure
> ORSA	26	0	0	0	26
> FI02	5	1	0	0	0
> FI04	32	0	0	0	32
> FI16	4	0	0	0	4
> FI18	126	0	0	0	126
> FI20	48	8	8	4	28
> LEOP	18	0	0	0	18
> LR	103	102	0	0	1

Analyze - Edit - Refresh

- Click **Total** associated with each schedule to display the Reporting Element drill-down Report. The following details appear:

- **Schedule:** Displays the name of the schedule.
- **Cell Reference:** Displays the reporting elements associated with the schedule.
- **Breached Variance KI:** Displays if there are any Breached Variance KIs.
- **Breached Value-Based KI:** Displays if there are any Breached Value-Based KIs.
- **Ineffective Control:** Displays if there are any Ineffective Controls.

Figure 209: Regulatory Report Monitoring

Regulatory Report Monitoring				
Schedule	Cell Reference	Breached Variance KI	Breached Value Based KI	Ineffective Control
FI20 FI2001	FI2001R020C010	No	No	No
	FI2001R020C020	No	No	No
	FI2001R030C010	No	No	No
	FI2001R030C020	No	No	No
	FI2001R040C010	No	No	Yes
	FI2001R040C020	No	No	Yes
	FI2001R060C010	No	No	No
	FI2001R060C020	No	No	No
	FI2001R070C010	No	No	Yes
	FI2001R070C020	No	No	Yes
	FI2001R080C010	No	No	Yes
	FI2001R080C020	No	No	Yes
	FI2001R090C010	No	No	No
	FI2001R090C020	No	No	No
	FI2001R110C010	No	No	Yes
	FI2001R110C020	No	No	Yes
	FI2001R120C010	No	No	Yes
	FI2001R120C020	No	No	Yes
	FI2001R130C010	No	No	No
	FI2001R130C020	No	No	No
	FI2001R150C010	No	No	Yes
	FI2001R150C020	No	No	Yes
	FI2001R160C010	No	No	Yes

- Click **No Errors** associated with each schedule to display the Reporting Element drill-down Report. The following details appear:

- **Schedule:** Displays the name of the schedule.
- **Cell Reference:** Displays the reporting elements associated with the schedule.
- **Breached Variance KI:** Displays if there are any Breached Variance KIs.
- **Breached Value-Based KI:** Displays if there are any Breached Value-Based KIs.
- **Ineffective Control:** Displays if there are any Ineffective Controls.

Figure 210: Regulatory Report Monitoring

Schedule	Cell Reference	Breached Variance KI	Breached Value Based KI	Ineffective Control
FI20 FI2001	FI2001R020C010	No	No	No
	FI2001R030C010	No	No	No
	FI2001R040C010	No	No	No
	FI2001R050C010	No	No	No
	FI2001R060C010	No	No	No
	FI2001R070C010	No	No	No
	FI2001R080C010	No	No	No
	FI2001R090C010	No	No	No
	FI2001R100C010	No	No	No
	FI2001R110C010	No	No	No
	FI2001R120C010	No	No	No
	FI2001R130C010	No	No	No
	FI2001R140C010	No	No	No
	FI2001R150C010	No	No	No
	FI2001R160C010	No	No	No
	FI2001R170C010	No	No	No
	FI2001R180C010	No	No	No
	FI2001R190C010	No	No	No
	FI2001R200C010	No	No	No
	FI2001R210C010	No	No	No
	FI2001R220C010	No	No	No
	FI2001R230C010	No	No	No
	FI2001R240C010	No	No	No
	FI2001R250C010	No	No	No
	FI2001R260C010	No	No	No
	FI2001R270C010	No	No	No
	FI2001R280C010	No	No	No
	FI2001R290C010	No	No	No
	FI2001R300C010	No	No	No

4. Click **Variance Indicator Breach** associated with each schedule to display the Variance Indicators and Issue Details – Variance Based Indicators drill-down Report. The following details appear in Variance Based Indicators:

- Plan Name
- Report Name
- Schedule
- Date
- Variance Indicator
- Owner
- Report
- Cell Reference
- Current Value
- Previous Value
- Variance
- Variance %
- Variance % (Last Period)
- Status
- Status (Last Period)

Figure 211: Variance Indicators

Plan Name: Quarterly Regulatory Report Report : FI20 Schedule: FI21001 Date : 30-Nov-10

Variance Indicator	Owner	Report	Cell Reference	Current Value	Previous Value	Variance	Variance %	Variance % (Last Period)	Status	Status (Last Period)
Deposits-domestic activities-11319	OP5AD	FI20	FI2002R040C010	530022	330022	200000	61	61	Red	Red
Derivatives-domestic activities-11320	OP5AD	FI20	FI2002R020C010	1000000	660044	339956	52	52	Red	Red
Derivatives-non-domestic activities-11326	OP5AD	FI20	FI2002R020C020	832924	632924	200000	32	32	Red	Red
Non-current assets and disposal groups classified as held for sale-domestic activities-10901	OP5AD	FI20	FI2001R310C010	620154	820154	-200000	-24	-24	Red	Red
Non-current assets and disposal groups classified as held for sale-non-domestic activities-10902	OP5AD	FI20	FI2001R310C020	580000	780000	-200000	-26	-26	Red	Red
Other assets-domestic activities-113133	OP5AD	FI20	FI2001R300C010	1060044	1000000	6044	6	6	Red	Red
Other assets-non-domestic activities-113138	OP5AD	FI20	FI2001R300C020	1040022	840022	200000	24	24	Red	Red
Short positions-non-domestic activities-11329	OP5AD	FI20	FI2002R030C020	832924	632924	200000	32	32	Red	Red

[Analyze](#) [Edit](#) [Refresh](#)

The following details appear in Issue Details-Variance Based Indicators:

- Issue Key
- Issue Name
- Variance Indicator
- Cell Reference
- Issue Owner
- Target Completion Date
- Issue Status
- Action Name
- Action Status
- Action Owner
- Create Action

Figure 212: Issue Details-Variance Based Indicators

Issue Key	Issue Name	Variance Indicator	Cell Reference	Issue Owner	Target Completion Date	Issue Status	Action Name	Action Status	Action Owner	Create Action
296347	Threshold value breached for Variance of deposits-domestic activities	Variance of deposits-domestic activities-11319	FI2002R040C010	OP5AD	31-Jul-2017	Open				Create Action
298390	Threshold value breached for Variance of derivatives-domestic activities-11320	Variance of derivatives-domestic activities-11320	FI2002R020C010	OP5AD	31-Jul-2017	Open				Create Action
298433	Threshold value breached for Variance of derivatives-non-domestic activities-11326	Variance of derivatives-non-domestic activities-11326	FI2002R020C020	OP5AD	31-Jul-2017	Open				Create Action
298466	Threshold value breached for Variance of non-current assets and disposal groups classified as held for sale-domestic activities-10901	Variance of non-current assets and disposal groups classified as held for sale-domestic activities-10901	FI2001R310C010	OP5AD	31-Jul-2017	Open				Create Action
298509	Threshold value breached for Variance of non-current assets and disposal groups classified as held for sale-non-domestic activities-10902	Variance of non-current assets and disposal groups classified as held for sale-non-domestic activities-10902	FI2001R310C020	OP5AD	31-Jul-2017	Open				Create Action
298552	Threshold value breached for Variance of other assets-domestic activities-113133	Variance of other assets-domestic activities-113133	FI2001R300C010	OP5AD	31-Jul-2017	Open				Create Action
298588	Threshold value breached for Variance of other assets-non-domestic activities-113138	Variance of other assets-non-domestic activities-113138	FI2001R300C020	OP5AD	31-Jul-2017	Open				Create Action

5. Click **KI Breach** associated with each schedule to display Value-Based Indicators and Issue Details – Value-Based Indicators drill-down Report. The following details appear in Value-Based Indicators:

- Plan Name
- Report
- Schedule
- Date

- Name
- Owner
- Report
- Cell Reference
- Status
- Status (Last Period)

Figure 213: Value Based Indicators

The screenshot shows the Oracle Business Intelligence Regulatory Report Monitoring dashboard. The main section is titled 'Value Based Indicators' and displays a table of indicators. The table has columns for Name, Owner, Report, Cell Reference, Status, and Status (Last Period). There are five rows of indicators, each with a red status icon. Below the table are links for 'Analyze', 'Edit', and 'Refresh'.

Name	Owner	Report	Cell Reference	Status	Status (Last Period)
Quality Indicator for 11226 and Edit no. is v3961_s	OPFAD	FD20	FD2002R080C010	Red	Red
Quality Indicator for 112788 and Edit no. is v3136_m	OPFAD	FD20	FD2004R190C022	Red	Red
Quality Indicator for 112788 and Edit no. is v4034_s	OPFAD	FD20	FD2004R190C022	Red	Red
Quality Indicator for 11322 and Edit no. is v3961_s	OPFAD	FD20	FD2002R080C010	Red	Red
Quality Indicator for 11325 and Edit no. is v3961_s	OPFAD	FD20	FD2002R040C020	Red	Red

The following details appear in Issue Details - Value-Based Indicators:

- Issue Name
- Key Indicator
- Cell Reference
- Issue Owner
- Target Completion Date
- Issue Status
- Action Name
- Action Status
- Action Owner
- Create Action

Figure 214: Value Based Indicators

The screenshot shows the 'Issue Details - Value-Based Indicators' section. It displays a table with columns for Issue Name, Key Indicator, Cell Reference, Issue Owner, Target Completion Date, Issue Status, Action Name, Action Status, Action Owner, and Create Action. There are five rows of data, each representing a different issue. Below the table are links for 'Analyze', 'Edit', and 'Refresh'.

Issue Name	Key Indicator	Cell Reference	Issue Owner	Target Completion Date	Issue Status	Action Name	Action Status	Action Owner	Create Action
Threshold value breached for Quality Indicator for 11226 and Edit no. is v3961_s	Quality Indicator for 11226 and Edit no. is v3961_s	FD2002R080C010	OPFAD	31-Jul-2017	Open				Create Action
Threshold value breached for Quality Indicator for 112788 and Edit no. is v3136_m	Quality Indicator for 112788 and Edit no. is v3136_m	FD2004R190C022	OPFAD	31-Jul-2017	Open				Create Action
Threshold value breached for Quality Indicator for 112788 and Edit no. is v4034_s	Quality Indicator for 112788 and Edit no. is v4034_s	FD2004R190C022	OPFAD	31-Jul-2017	Open				Create Action
Threshold value breached for Quality Indicator for 11322 and Edit no. is v3961_s	Quality Indicator for 11322 and Edit no. is v3961_s	FD2002R080C010	OPFAD	31-Jul-2017	Open				Create Action
Threshold value breached for Quality Indicator for 11325 and Edit no. is v3961_s	Quality Indicator for 11325 and Edit no. is v3961_s	FD2002R040C020	OPFAD	31-Jul-2017	Open				Create Action

6. Click **Control Failure** associated with each schedule to display Control details and Issue Details – Value-Based Indicators drill-down Report. The following details appear in Control Details:

- Plan Name
- Report
- Schedule
- Date

- Control Name
- Data Quality Checks
- Owner
- Effectiveness
- Cell Reference

Figure 215: Control Details – Schedule Report

Plan Name : Quarterly Regulatory Report : FI20 Schedule : FI2001 Date: 30-Nov-10

Control Name	Data Quality Checks	Owner	Effectiveness	Cell Reference
Product Type in Stage Loan Contracts	Failed		Effective	FI2001R040C010
				FI2001R040C020
				FI2001R070C010
				FI2001R070C020
				FI2001R080C010
				FI2001R080C020
				FI2001R110C010
				FI2001R110C020
				FI2001R120C010
				FI2001R120C020
				FI2001R150C010
				FI2001R150C020
				FI2001R160C010
				FI2001R160C020
				FI2001R190C010
				FI2001R190C020
				FI2001R220C010
				FI2001R220C020
				FI2005R010C010
				FI2005R010C020

The following details appear in Issue Details - Controls:

- Issue Name
- Control Name
- Cell Reference
- Issue Owner
- Target Completion Date
- Issue Status
- Action Name
- Action Status
- Action Owner
- Create Action

Figure 216: Issue Details – Controls

Issue Name	Control Name	Cell Reference	Issue Owner	Target Completion Date	Issue Status	Action Name	Action Owner	Action Status	Create Action
Issue in Control Assessment ID- 288396	Product Type in Stage Loan Contracts	FI2001R040C010	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R040C020	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R070C010	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R070C020	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R080C010	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R080C020	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R110C010	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R110C020	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R120C010	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R120C020	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R150C010	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R150C020	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R160C010	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R160C020	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R190C010	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R190C020	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R220C010	OFSAD	12-Jul-2017	Open				Create Action
		FI2001R220C020	OFSAD	12-Jul-2017	Open				Create Action
		FI2005R010C010	OFSAD	12-Jul-2017	Open				Create Action

7. Click **Data Quality Checks** associated with each Control to display the following Data Quality Details:

- ID
- DQ Check
- Type
- Result
- Entity
- Attribute

Figure 217: Data Quality Checks

ID	DQ Check	Type	Result	Entity	Attribute
DQ0USTACTT	Product type Reference associated with loans should be present in product type Structure Dimension. Referential Integrity Check	Failed	Stage Loan Contracts	Product Type	

[Return](#) - [Analyze](#) - [Edit](#) - [Refresh](#) - [Create Bookmark Link](#)

15.4.2 Create a New Issue

Click the **Create a New Issue** hyperlink to navigate to the OFSAA Create Issue page where the user can log a new issue.

Figure 218: Create a New Issue

CRSA	26	0	0	0	26
FI02	5	1	0	0	0
FI14	32	0	0	0	32
FI16	4	0	0	0	4
FI18	126	0	0	0	126
FI20	48	8	8	4	28
LEVP	18	0	0	0	18
LR	103	102	0	0	1

Analyze - Edit - Refresh

Issue and Action Tracking

Issue ID	Issue Name	Issue Owner	Target Completion Date	Issue Status	Action Name	Action Owner	Action Status
298347	Threshold value breached for Variance of deposits-domestic activities	OFSA	31-Jul-2017	Open			
298390	Threshold value breached for Variance of derivatives-domestic activities-11320	OFSA	31-Jul-2017	Open			
298403	Threshold value breached for Variance of derivatives-non-domestic activities-11320	OFSA	31-Jul-2017	Open			
298466	Threshold value breached for Variance of non-current assets and disposal groups classified as held for sale-domestic activities-10901	OFSA	31-Jul-2017	Open			
298509	Threshold value breached for Variance of non-current assets and disposal groups classified as held for sale-non-domestic activities-10902	OFSA	31-Jul-2017	Open			
298588	Threshold value breached for Variance of other assets-non-domestic activities-113138	OFSA	31-Jul-2017	Open			
298645	Threshold value breached for Quality Indicator for 11226 and Edit no. is v3961_s	OFSA	31-Jul-2017	Open			
298707	Threshold value breached for Quality Indicator for 112788 and Edit no. is v3136_m	OFSA	31-Jul-2017	Open			
298743	Threshold value breached for Quality Indicator for 112788 and Edit no. is v4034_s	OFSA	31-Jul-2017	Open			
298810	Threshold value breached for Quality Indicator for 11322 and Edit no. is v3961_s	OFSA	31-Jul-2017	Open			
298840	Threshold value breached for Quality Indicator for 11325 and Edit no. is v3961_s	OFSA	31-Jul-2017	Open			

Analyze - Edit - Refresh

[Create a new issue](#)

15.4.3 Create Action

Click **Create Action** hyperlink to navigate to the OFSAA Create Action page where the user can create an action.

Figure 219: Create Action

Save Draft | Cancel

ID: 301066

Action Name*

Description*

Criticality*

Start Date*

Reminder(days)*

Component*

Comments*

Owner*

Target Date*

Primary Source*

15.4.4 Data Origin Analysis

This report enables users to validate the regulatory reporting of cell values by SOR Data.

Figure 220: Data Origin Analysis

ORACLE Business Intelligence

Regulatory Report Monitoring

Regulatory Reports Issues **Data Origin Analysis**

* Calendar Date: 12/31/2015 * Legal Entity: (All Column Va * Report: --Select Valu * Schedule: --Select Valu Cell Identifier: --Select Value-

Apply Reset

Report Code	Schedule Code	Cell Identifier	Legal Entity	GL	Account	Adjustments	Final Value
				GL	Missing	OFSAA Adjustments	
FFIEC-031	RC-A	RCFD0022	Wells Fargo Bank, National Association	8,664,264,520		0	8,664,264,520
FFIEC-031	RC-A	RCFD0070	Wells Fargo Bank, National Association		471,347,746,529	0	471,347,746,529
FFIEC-031	RC-A	RCFD0082	Wells Fargo Bank, National Association		273,729,938	0	273,729,938
FFIEC-031	RC-A	RCFD0090	Wells Fargo Bank, National Association			0	0
FFIEC-031	RC-A	RCON0020	Wells Fargo Bank, National Association	8,664,209,554		0	8,664,209,554
FFIEC-031	RC-A	RCON0070	Wells Fargo Bank, National Association		258,295,289,037	0	258,295,289,037
FFIEC-031	RC-A	RCON0080	Wells Fargo Bank, National Association	54,966		0	54,966
FFIEC-031	RC-A	RCON0082	Wells Fargo Bank, National Association		73,233,049	0	73,233,049
FFIEC-031	RC-A	RCON0090	Wells Fargo Bank, National Association			0	0
FFIEC-031	RC-B	RCFD0211	Wells Fargo Bank, National Association			0	0
FFIEC-031	RC-B	RCFD0213	Wells Fargo Bank, National Association			0	0
FFIEC-031	RC-B	RCFD0416	Wells Fargo Bank, National Association			0	0
FFIEC-031	RC-B	RCFD1286	Wells Fargo Bank, National Association			0	0
FFIEC-031	RC-B	RCFD1287	Wells Fargo Bank, National Association			0	0
FFIEC-031	RC-B	RCFD1737	Wells Fargo Bank, National Association		2,388,000	0	2,388,000
FFIEC-031	RC-B	RCFD1738	Wells Fargo Bank, National Association		23,629,920	0	23,629,920
FFIEC-031	RC-B	RCFD1739	Wells Fargo Bank, National Association		18,528,000	0	18,528,000
FFIEC-031	RC-B	RCFD1741	Wells Fargo Bank, National Association		173,433,416	0	173,433,416
FFIEC-031	RC-B	RCFD1742	Wells Fargo Bank, National Association		4,764,547	0	4,764,547
FFIEC-031	RC-B	RCFD1743	Wells Fargo Bank, National Association		7,222,439,559	0	7,222,439,559
FFIEC-031	RC-B	RCFD1744	Wells Fargo Bank, National Association		3,528,000	0	3,528,000
FFIEC-031	RC-B	RCFD1746	Wells Fargo Bank, National Association		36,257,023	0	36,257,023
FFIEC-031	RC-B	RCFD1778WORK	Wells Fargo Bank, National Association			0	0
FFIEC-031	RC-B	RCFD8496	Wells Fargo Bank, National Association		13,364,000	0	13,364,000
FFIEC-031	RC-B	RCFD8497	Wells Fargo Bank, National Association		104,415,964	0	104,415,964

Rows 26 - 50

Refresh Export

15.5 Variance Analysis Dashboard

Variance analysis is the process of identifying the causes of variations in the MDRM Values between current and prior periods. It helps understand why fluctuations happen and what can or must be done to reduce the adverse variance. This eventually helps in finalizing the report cell (MDRM) values.

Variance analysis helps users identify threshold breaches set at the Report/Cell level before generating the final numbers. Based on the breached cell values, you can decide the course of action by either rectifying it using Cell level adjustment or take no action. This enables you to confidently submit the final numbers to the regulators.

Prerequisites

1. The Indicator assessment must be performed before verifying the variance analysis dashboard. Execute the batch DGS_KI_BATCH for the date on which the data needs to be analyzed. See the [KI assessment](#) section for more details.
2. Execute the account granularity batch ACCT_MAPPER_INSERT for generating Accounts, Accounts Writeoff, and Accounts Recovery. For more details on the parameter to be passed for generating the account level granularity, refer to the Section [Populating Data for Account Drill down Granularity \(Variance Analysis dashboard\)](#).
3. Execute the Account and Party granularity batch ACCT_MAPPER_INSERT for generating the account and party. The account and party granularity are for the report ARF7200A. For more details on the parameter to be passed for generating the account and party level granularity,

refer to the Section [Populating Data for Account Drill down Granularity \(Variance Analysis dashboard\)](#).

15.5.1 Populating Data for Account Drill down Granularity (Variance Analysis dashboard)

Perform the following steps for the Variance Analysis dashboard before verifying the dashboard. After selecting Financial Services Data Governance for the preferred jurisdiction, navigate to Applications.

NOTE

Note the following:

- Account and Party granularity generation are only for the report (ARF7200A).
- Variance analysis drill-down feature is not enabled for the cells which are count-based.

1. Navigate to **Common Tasks > Operations > Batch Maintenance**.
2. Select the required batch. See the APME (APRA/MAS/RBI/HKMA) Run Chart [MOS](#) for more details.

NOTE

- The batch ACCT_MAPPER_INSERT is used to load data from inter-mediatory tables of Account drill down with the matching Account number.
- The data must be available in the fct_gl_data for the Repline granularity. The data must be moved to the fct_gl_data by executing the T2T as a part of the FSDFF run.

15.5.2 Viewing the Variance Analysis Dashboard

The Variance Analysis Dashboard provides data based on selecting the values from the following list of dropdowns:

- **Report:** Based on the KI Configuration this drop-down is populated. Select a pre-configured report.
- **Schedule:** Based on the KI Configuration this drop-down is populated. Select a schedule.
- **Cell Identifier:** Based on the KI Configuration this drop-down is populated. Select a cell identifier.
- **Entity Name:** Select an Entity Name.
- ***Current Date:** Select a date on which the assessment has been done.
- **Variance %:** Select a variance %
- **Variance Amount Between:** Enter the Variance Amount range.
- **Breached:** Select 'Yes' or 'No' or both.

NOTE

Ensure you have configured the Key Indicators. Refer to the [Configure Key Indicators](#) Section.

1. Click **Apply** to generate the reports.
2. Click **Reset** to reset the values. The generated report contains the following details:
 - **Report Code: Provides report code of the cell.**
 - **Schedule Code: Provides schedule code of the cell.**
 - **Key indicatorCell Identifier:** Provides the MDRM Code of the cell.
 - **Cell Line Item: Provides line item of the cell.**
 - **Cell Description:** Provides the description of the code.
 - **Entity:** The entity for which the assessment was done.
 - **Current Value:** Provides the Current Value of the assessment.
 - **Previous Value:** Provides the Previous Value of the assessment.
 - **Variance:** Provides the difference between the Current and Previous Values.
 - **Variance %:** Provides the Percentage Value of the variance.

Figure 221: Variance Analysis Dashboard

Report Code	Schedule Code	Cell Identifier	Cell Line Item	Cell Description	Entity	Current Value	Previous Value	Variance	Variance %	Issues	Actions	Trend	Create Issue
ARF7200A	SectionA	BSAQ027415		Section A: Assets_Total Currency And Unallocated Gold_Notes And Coins_Total		0.00	0.00	\$0.00	0.00	0	0	View Trend	
ARF7200A	SectionA	BSAQ027416		Section A: Assets_Total Currency And Unallocated Gold_Notes And Coins_Of Which:Denominated In Fx (Aud Equivalent)		0.00	0.00	\$0.00	0.00	0	0	View Trend	
ARF7200A	SectionA	BSAQ027417		Section A: Assets_Total Currency And Unallocated Gold_Unallocated Gold_Total		0.00	0.00	\$0.00	0.00	0	0	View Trend	
ARF7200A	SectionA	BSAQ027418		Section A: Assets_Total Currency And Unallocated Gold_Unallocated Gold_Of Which:Denominated In Fx (Aud Equivalent)		0.00	0.00	\$0.00	0.00	0	0	View Trend	
ARF7200A	SectionA	BSAQ027424		Section A: Assets_Total Funds On Deposit At Other Financial Institutions_Residents_At Call		0.00	0.00	\$0.00	0.00	0	0	View Trend	
ARF7200A	SectionA	BSAQ027425		Section A: Assets_Total Funds On Deposit At Other Financial Institutions_Residents_At Call_Of Which:Denominated In Fx (Aud Equivalent)		0.00	0.00	\$0.00	0.00	0	0	View Trend	
ARF7200A	SectionA	BSAQ027426		Section A: Assets_Total Funds On Deposit At Other Financial Institutions_Residents_Not At Call		0.00	0.00	\$0.00	0.00	0	0	View Trend	
ARF7200A	SectionA	BSAQ027427		Section A: Assets_Total Funds On Deposit At Other Financial Institutions_Residents_Not At Call_Of Which:Denominated In Fx (Aud Equivalent)		0.00	0.00	\$0.00	0.00	0	0	View Trend	
ARF7200A	SectionA	BSAQ027429		Section A: Assets_Total Funds On Deposit At Other Financial Institutions_Residents_Rba_At Call		0.00	0.00	\$0.00	0.00	0	0	View Trend	
ARF7200A	SectionA	BSAQ027430		Section A: Assets_Total Funds On Deposit At Other Financial Institutions_Residents_Rba_At Call_Of Which:Denominated In Fx (Aud Equivalent)		0.00	0.00	\$0.00	0.00	0	0	View Trend	
ARF7200A	SectionA	BSAQ027431		Section A: Assets_Total Funds On Deposit At Other Financial Institutions_Residents_Rba_Not At Call		0.00	0.00	\$0.00	0.00	0	0	View Trend	

- **Issues:** Provides the count of issues against each cell. There is a drill-down that displays the details of the issues.

Figure 222: Variance Analysis – Issue Details

Issue Details				
ID	Name	Comment	Status	Target Date
108	Threshold value breached for Gross Outstanding Loans And Finance Leases - By Counterparty, Currency & Residual Maturity_Total Loans And Finance Leases_Residents_Non-Financial Businesses_Private Unincorporated Businesses_Individual Provisions - 108	NA	New	22-Apr-21

[Return](#) - [Refresh](#) - [Export](#) - [Create Bookmark Link](#)

- **Actions:** Provides the actions taken for each issue. The drill-down shows the action count.

Figure 223: Variance Analysis – Action Details

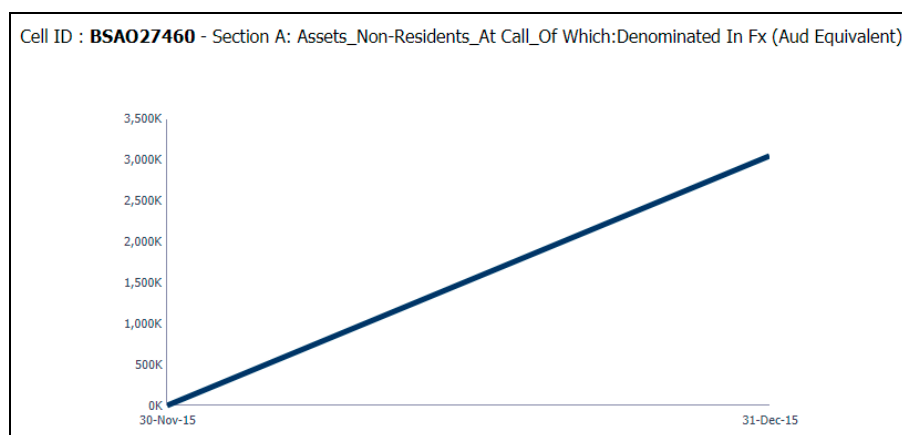
Action Details				
ID	Name	Comment	Status	Target Completion Date
674081	Action for Threshold value breached for LOANS TO BANKS IN FOREIGN COUNTRIES	Action for Threshold value breached for LOANS TO BANKS IN FOREIGN COUNTRIES	Open	04-Dec-19

[Return](#) - [Refresh](#) - [Export](#) - [Create Bookmark Link](#)

- **Trend:** Displays the graphical representation of the assessment across time. You can select between:
 - Trend for All Dates
 - Trend for Date Range

NOTE Trend graphs can be exported to PDF and Excel.

Figure 224: Trend



- **Create Issue:** Create an issue from the dashboard itself against any cell irrespective of whether it has been breached or not. This issue can be modified on the DG Issues page. After you create an issue through this method, you can view the number of created issues in the OBI dashboard.

NOTE

Before you create an issue, ensure that you have launched the DG application.

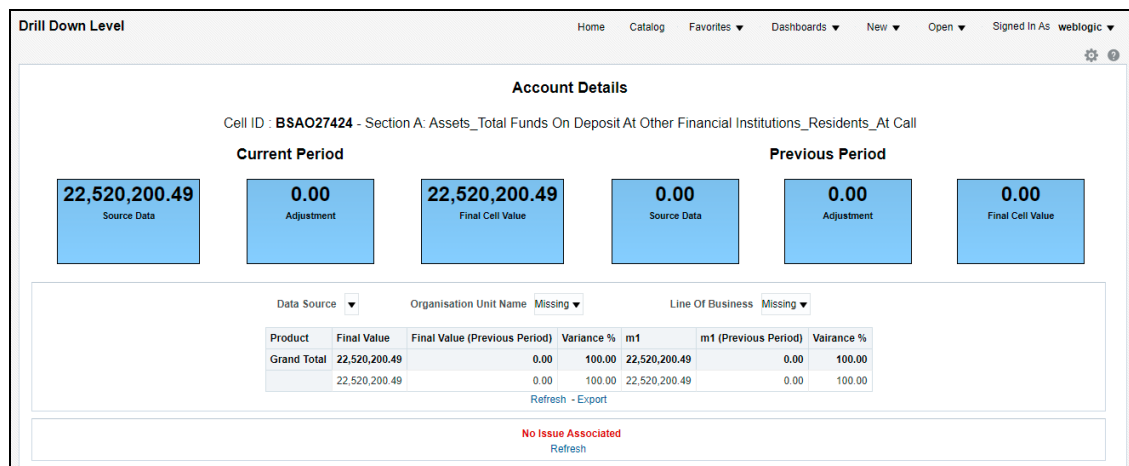
To create an issue through the Dashboards Page, perform the following steps:

- In the **Create Issue** column, click the icon.
- In the **Issue Details** page, enter values in the **Name** and **Comments** field.
- Click **Save Draft**.
- In the **Cell Identifier** column, select the link.

You can view the following information:

- Account Details: Provides the Account details along with the cell ID.
- The current and previous period values for the source data, adjustment, and final cell value. The data in the final cell is a combination of the source and adjustment data.

Figure 225: Account Details

**NOTE**

Measure the value displayed at the product level is the variance amount.

The **Final Value** and **Final Value (Previous Period)** to the **Intermediate** and **Account** drill-down templates are displayed. The values from these cells tie back to the current and previous values in the tile. The column totals defined at each level ties back to the previous level.

15.5.3 Dimensions Supported in Variance Analysis drill-down

The following dimensions are supported in the variance analysis drill-down:

- Account Name
- Account Country Name

- Currency Name
- Data Source
- Issuer Name
- Entity Name
- Line of Business
- Organization Unit Name
- Party Name
- Product
- Product Type
- Region Description
- Regulatory Instrument Classification
- Regulatory Party Name
- Regulatory Product Classification

16 Regulatory Data Extract

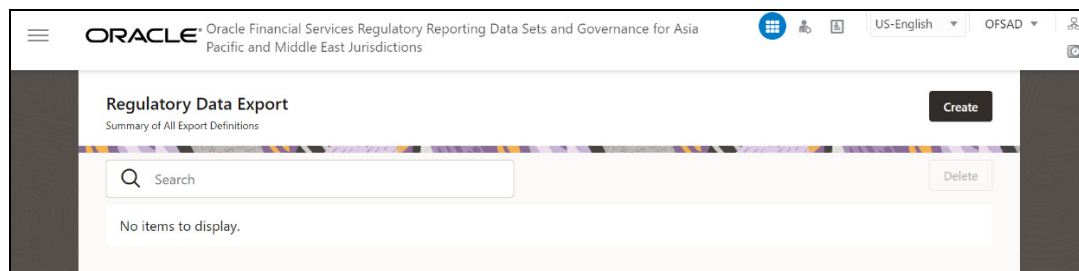
This chapter provides information on creating and executing data extract definitions to export the regulatory reporting data into .csv files. It allows you to export data for a specific report, or cells and schedules. You can also export the data from a Derived Entity.

16.1 Create an Export Definition

To create an export definition, perform the following steps:

1. After logging into the OFSAAI applications page, navigate **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, and then select **Regulatory Data Extracts**.

Figure 226: Regulatory Data Export page



2. Click **Create**. The New Model Definition page is displayed.

Figure 227: New Model Definition page

3. Select or enter the required values for each field as follows.

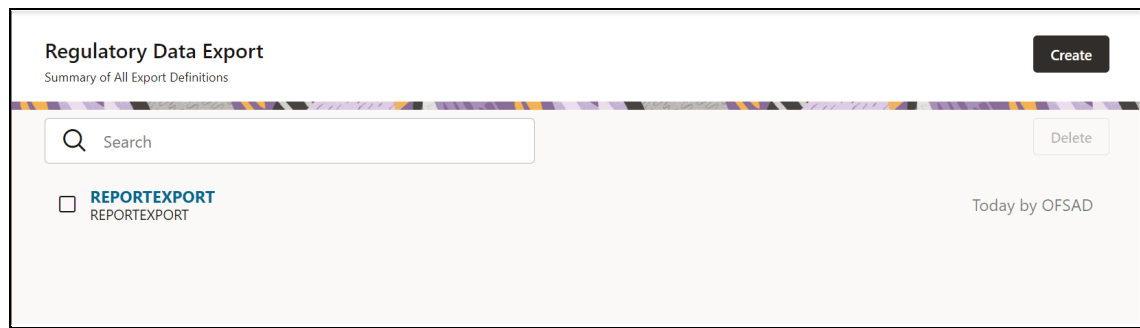
Table 42: Model Export Definition Fields and Descriptions

Field Name	Description or Instruction
Name	Enter the name of the new model definition.

Field Name	Description or Instruction
Description	Enter the new model definition description.
Export Type	Select the Export Type of the model from the dropdown list.
Report	This field is displayed only when the Export Type is either Schedule or Reporting Lines. Select the appropriate report from the drop-down list.
Search	Search for a specific object from the available list.

- Select the required objects from the list by marking the checkbox.
- Click **Save** to complete the Export definition creation.
On successful creation of the Export Definition, the Regulatory Data Export Definitions Summary page is displayed.

Figure 228: Regulatory Data Export Definitions Summary page

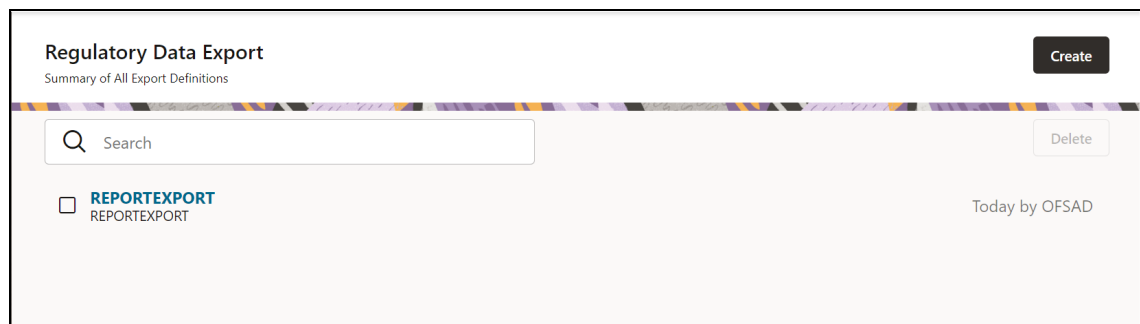


16.2 Edit and View an Export Definition

To edit and view an export definition, perform the following steps:

- Click on the **Export Definition** that you wish to edit or view from the Export Definitions Summary page.

Figure 229: Regulatory Data Export Definitions Summary page



The Edit or View Export Definition page appears.

Figure 230: Edit or View Export Definition page

Regulatory Data Export\

New Model Definition

Cancel Save

Name REPORTEXPORT Description REPORTEXPORT

Export Type Reports

List of Reports

MAS610_B1_B2 Assets, Liabilities

MAS610_B3 Contingents, Commitments, Derivatives

Search

2. You can update the existing information if required and click **Save** to save the changes in the Export Definition or click **Cancel** to cancel if there is no modification in the Export Definition.

16.3 Delete an Export Definition

To delete an export definition, perform the following steps:

1. Select a **Model Export Definition** from the Export Definitions Summary page.

Figure 231: Delete Regulatory Data Export Definition page

Regulatory Data Export

Summary of All Export Definitions

Create

Search

REPORTEXPORT REPORTEXPORT

Today by OFSAD

Delete

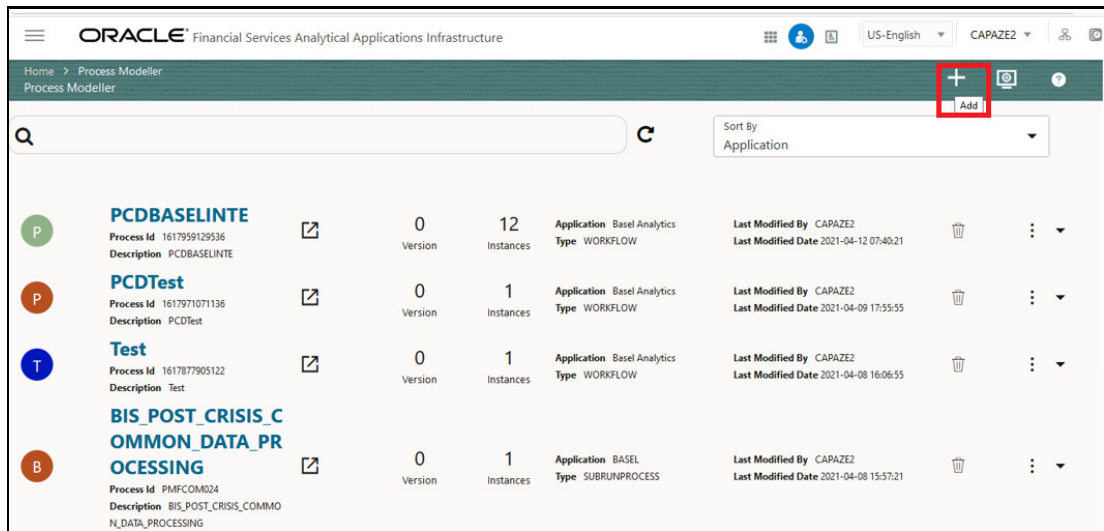
2. Click **Delete** to delete the Export Definition.

16.4 Executing the Regulatory Data Export Definition through Process Modelling Framework

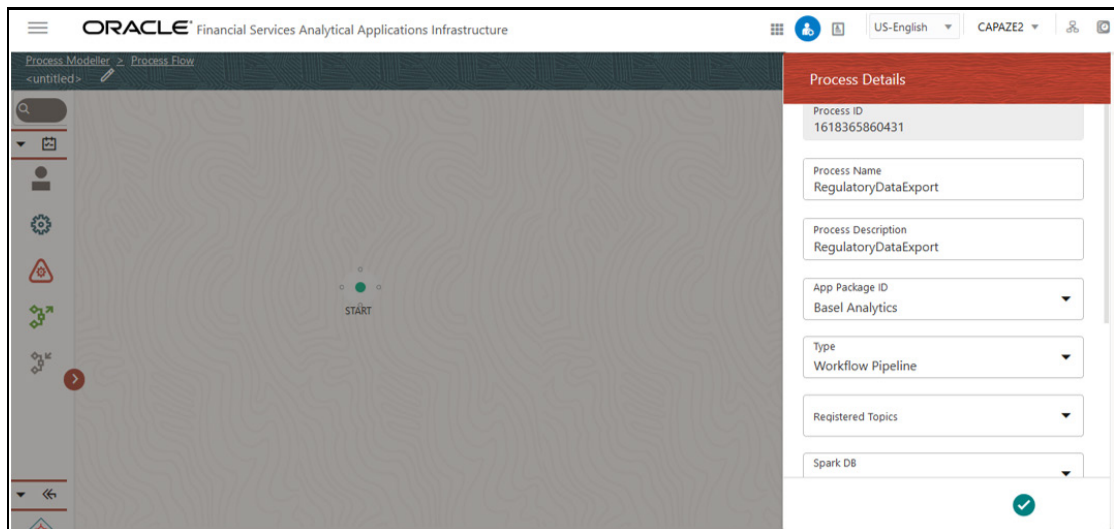
After the Export Definition has been created, a process must be created in the Run Pipeline and must be executed through the Process Modelling Framework.

To execute the Data export through Process Modelling Framework, perform the following steps:

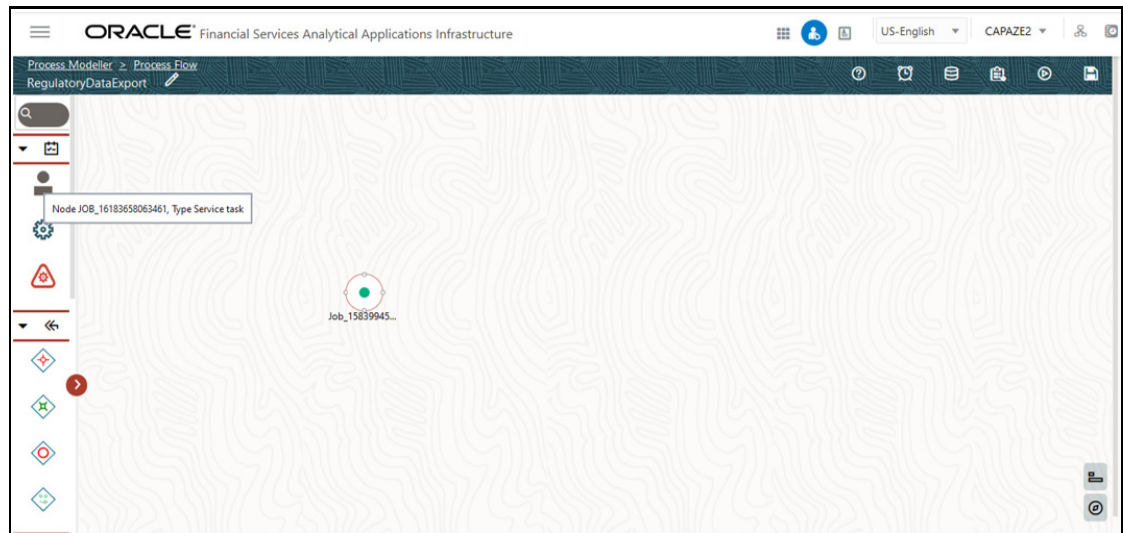
1. After logging into the OFSAAI Applications Page, navigate **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Process Modelling Framework**, and then select **Process Modeller**.

Figure 232: Process Modeller Summary Page

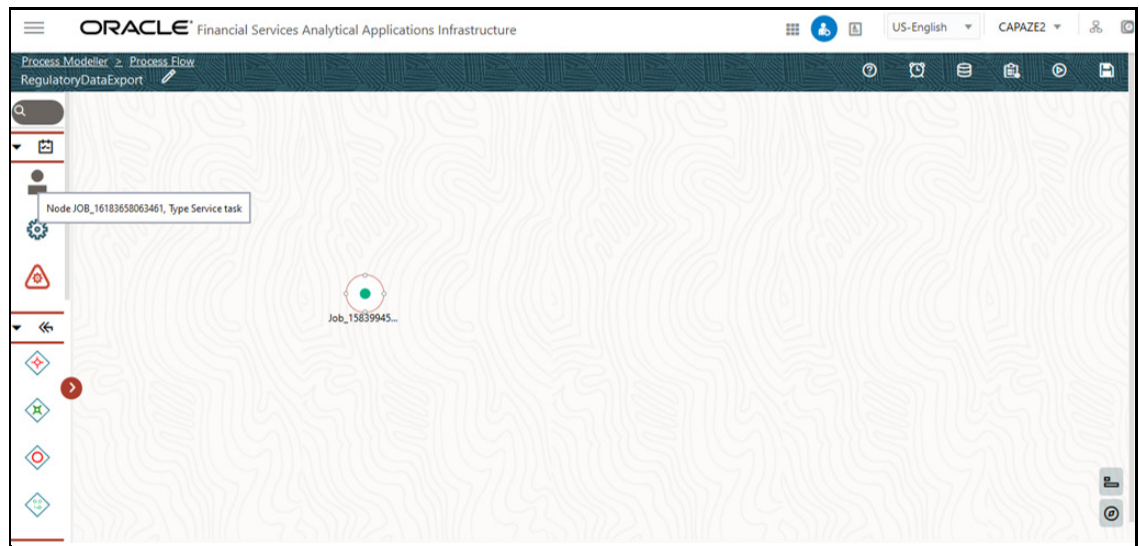
- To create a process, click **Add**.

Figure 233: Add Process Details Page

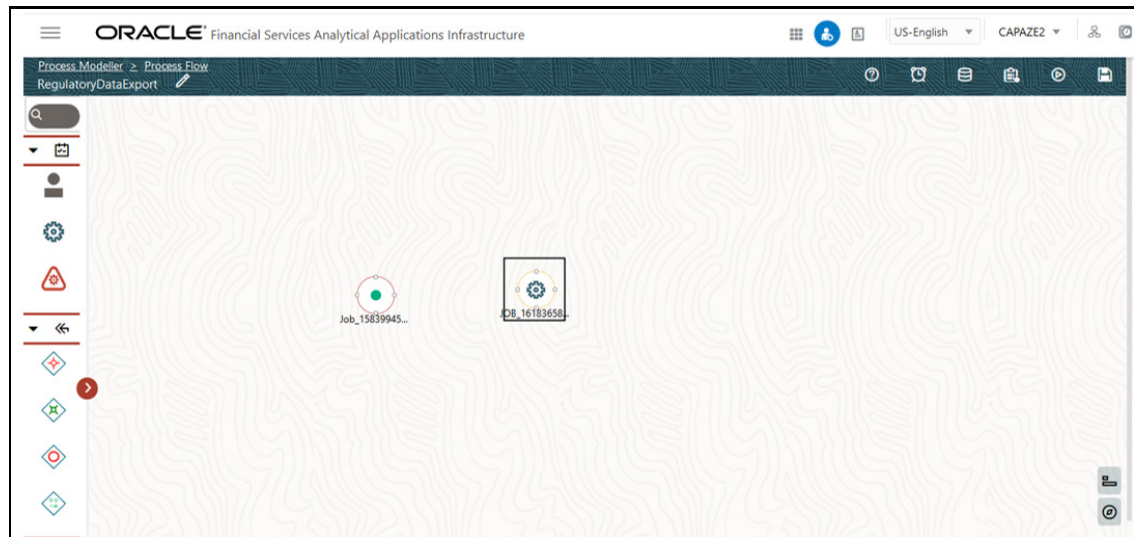
- Enter the required details and the application package ID based on your application. Click **OK** icon. A new process has been created.

Figure 234: Process Workflow Page

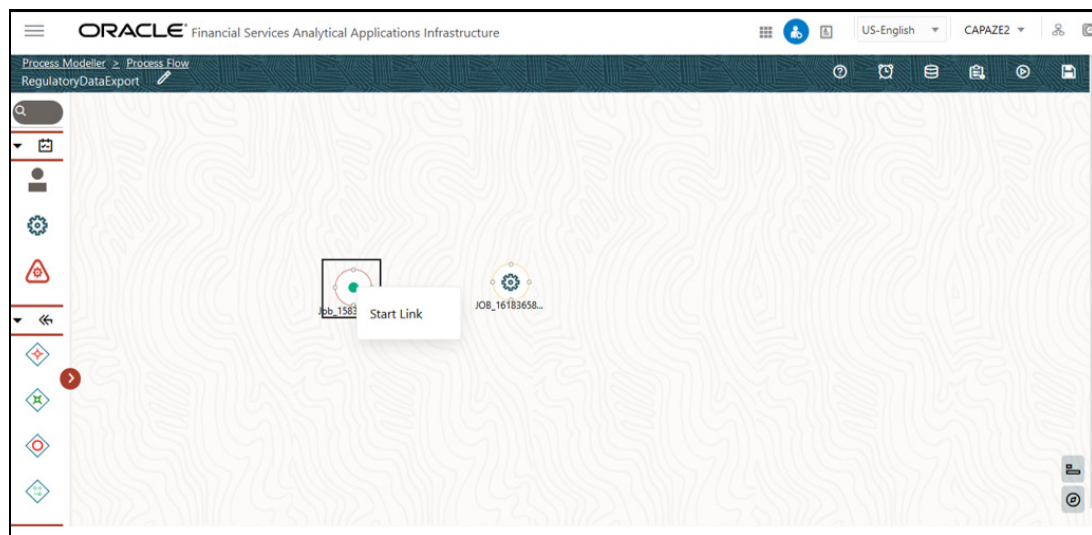
4. From the Process Workflow page, select the **Service Task**.

Figure 235: Add Service Task Page

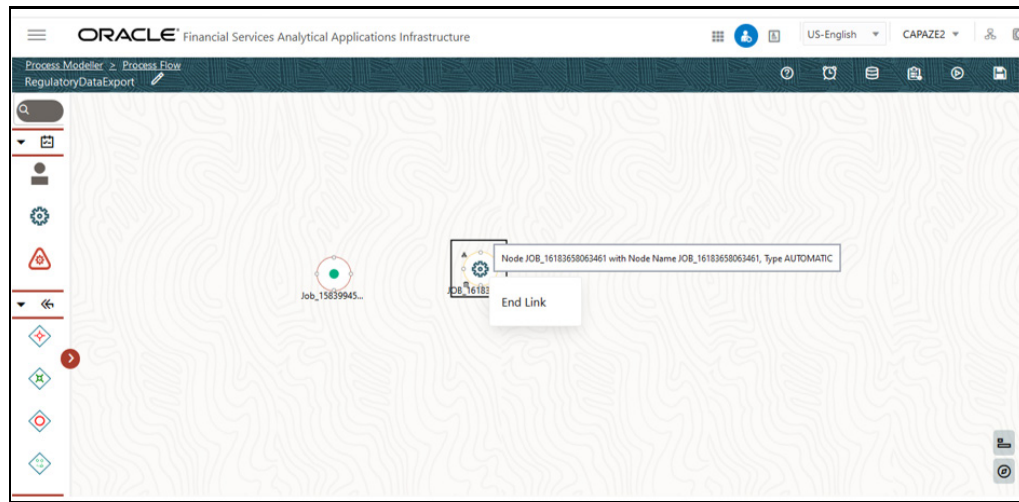
5. Drag the Service Task from the left pane and place it in the workflow area.

Figure 236: Service Task Added Page

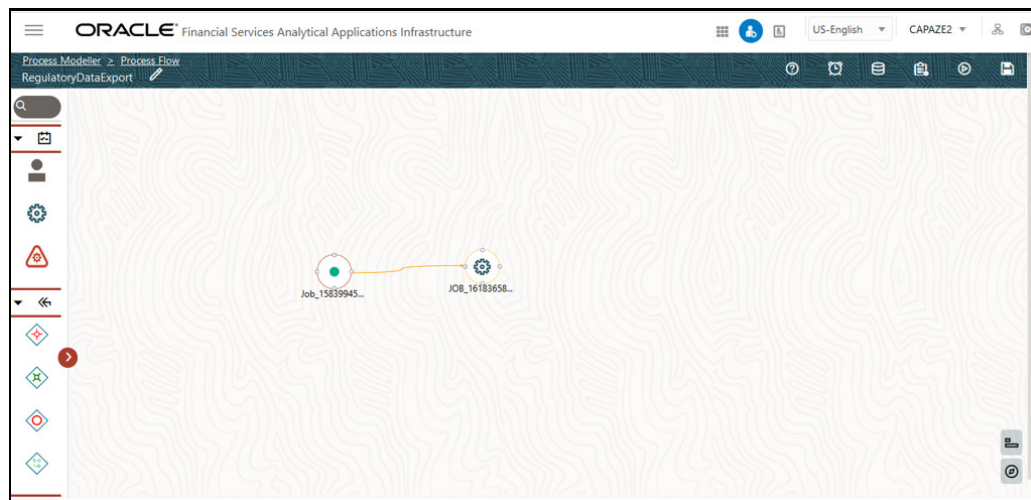
6. Create a link between the **Start** node and the **Service Task**. Select the **Start** node and right click, click on the **Start link** option.

Figure 237: Service Task Start Link Page

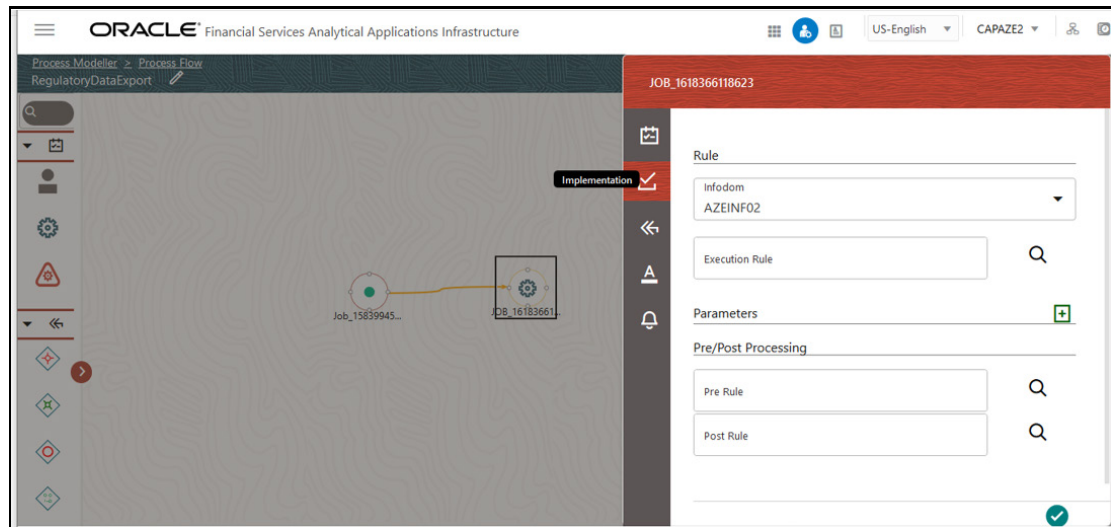
7. Select the Service Task and right click, click on the **End link** option.

Figure 238: Service Task End Link Page

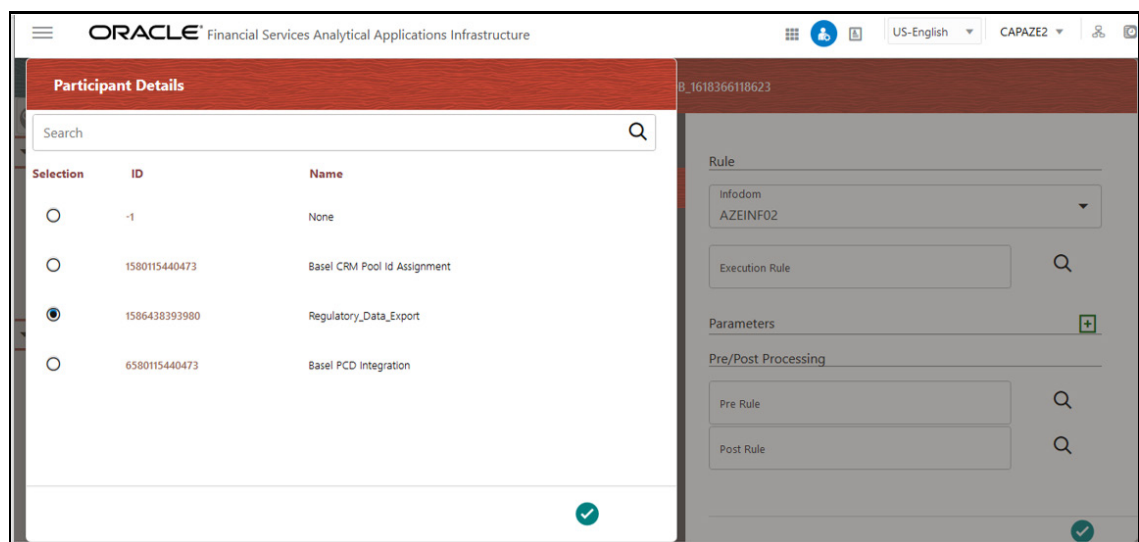
You can view the connection between two tasks.

Figure 239: Connection Between Tasks Page

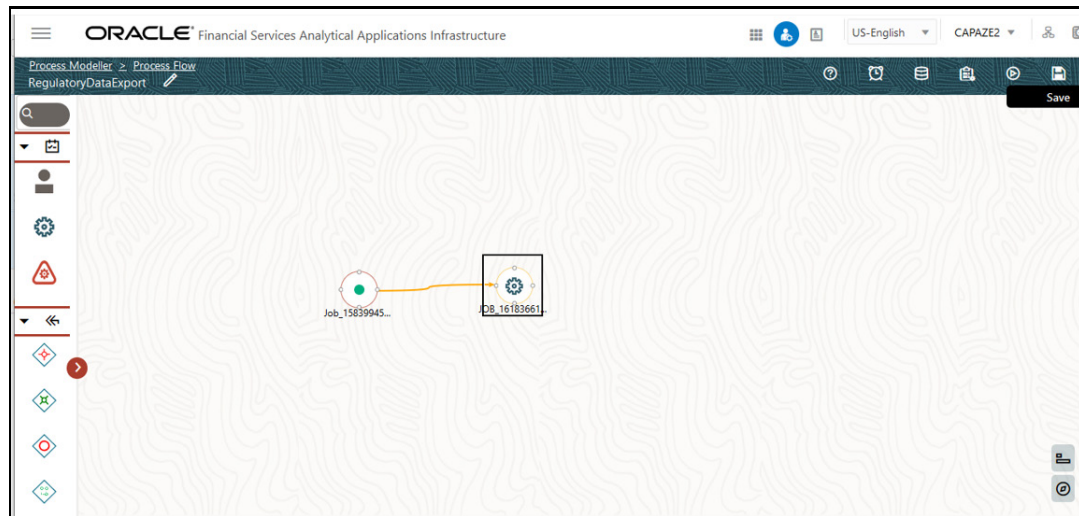
8. Double click the **Service Task** and a popup window appears. Click the **Implementation** icon.

Figure 240: Service Task Details Page

9. Select the Execution Rule and a new window appears. Select the **Regulatory_Data_Export**, and click **OK** icon.

Figure 241: Regulatory Data Export Details Page

10. Click **Save** to save the Regulatory data Extract process details.

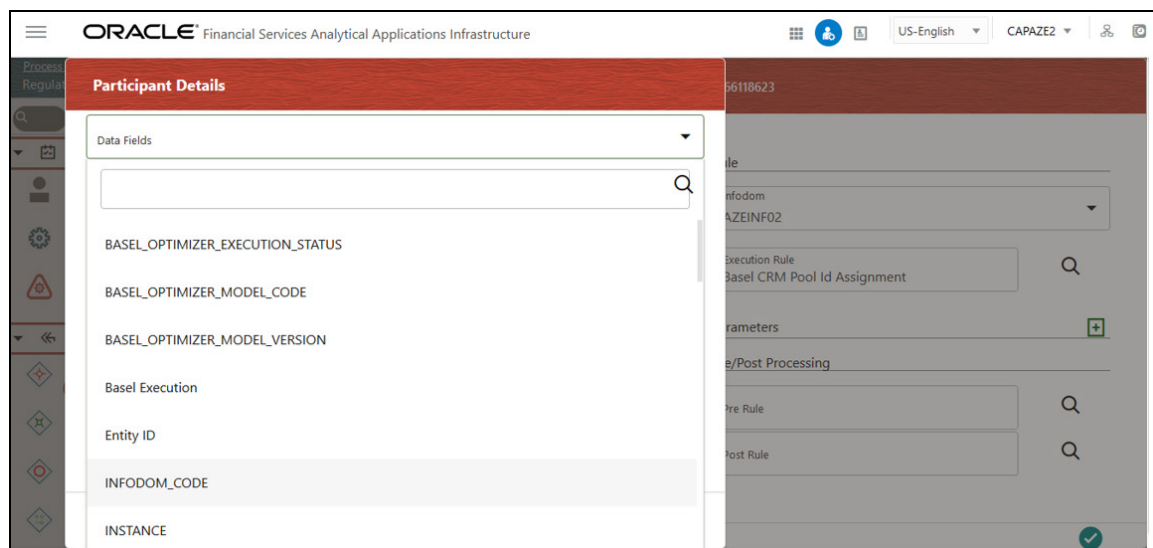
Figure 242: Regulatory Data Export Process Save Page

16.4.1 Types of Regulatory Data Export Execution

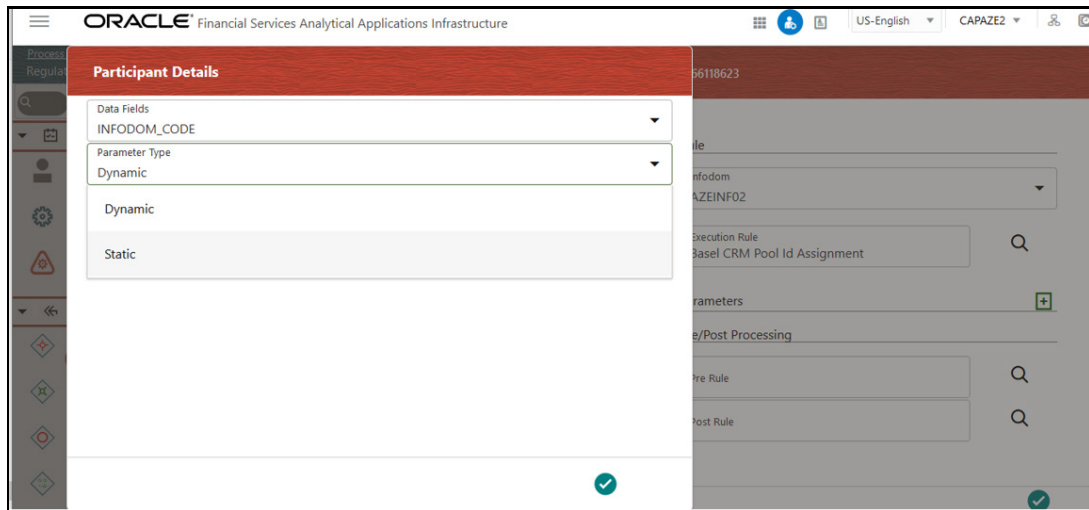
This section provides the step-by-step procedure to execute the data extract through Process Modelling Framework.

Execution Type 1

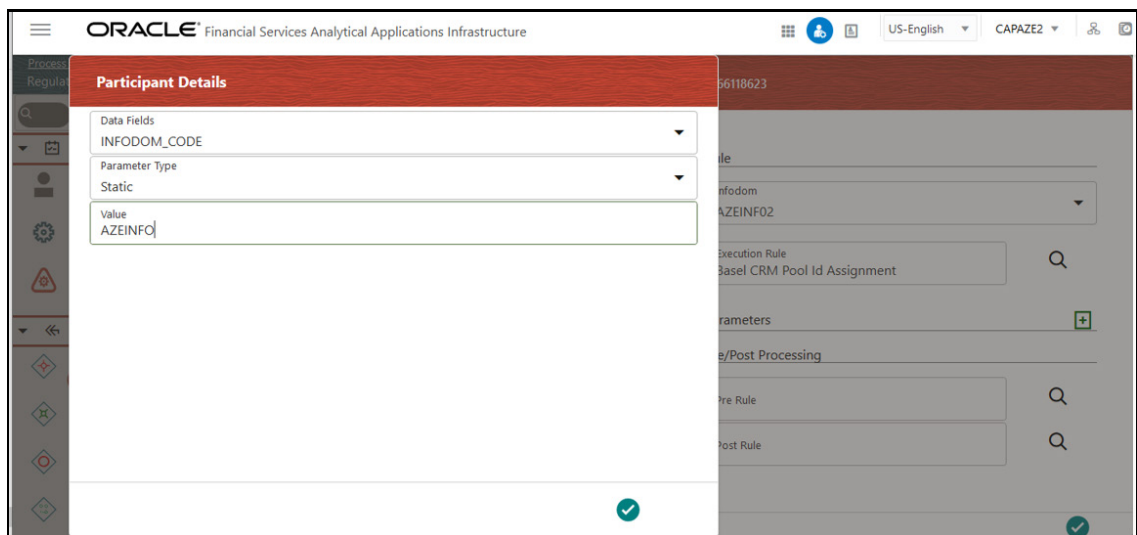
1. Set the required parameters in the **Service Task**, double click on it. Select and add the required parameters. A new popup window appears.

Figure 243: Parameter Selection Page

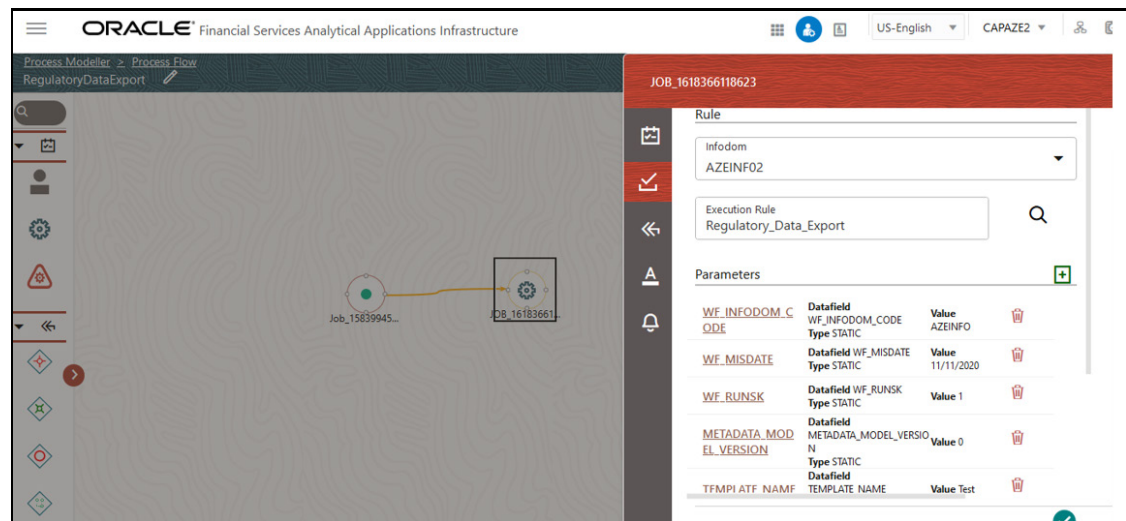
2. Select the data field and then select the Parameter Type as **Static**.

Figure 244: Parameter Type Selection Page

3. Enter the parameter value and click **OK** icon.

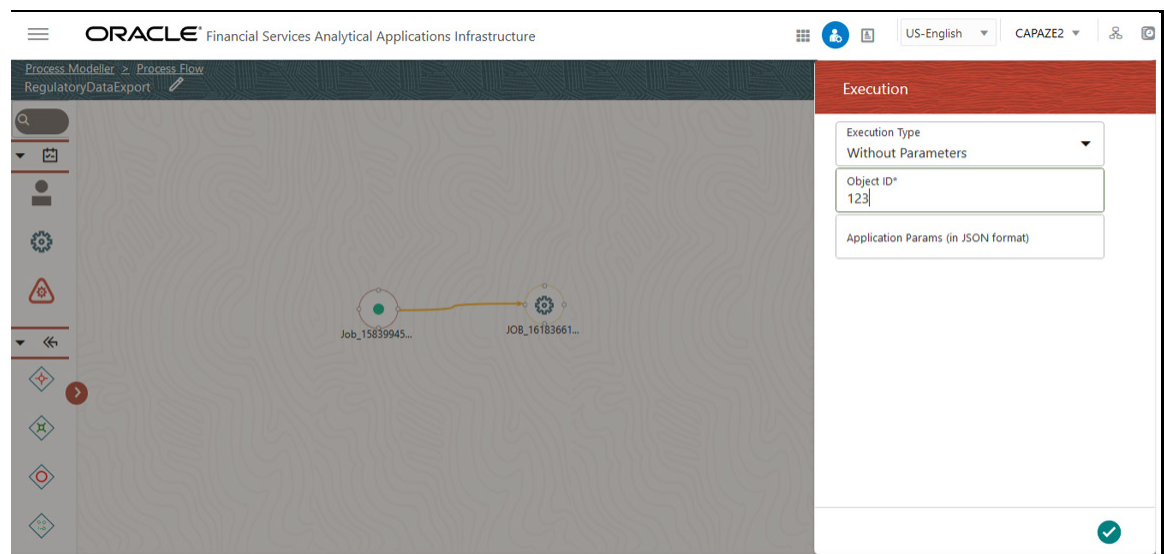
Figure 245: Parameters Selected Page

4. Enter all the required parameters.
Required parameters are WF_INFODOM_CODE (infodom, METADATA_MODEL_VERSION, WF_MISDATE (fic mis date), WF_RUNSK (runskey), TEMPLATE_NAME (Name of the template where you created from screen).

Figure 246: Parameters Added Page

5. Click **Save**. Navigate to the **Process Modeller**, select the specific process, then click the **More** icon, and then Click **Execute Run**.

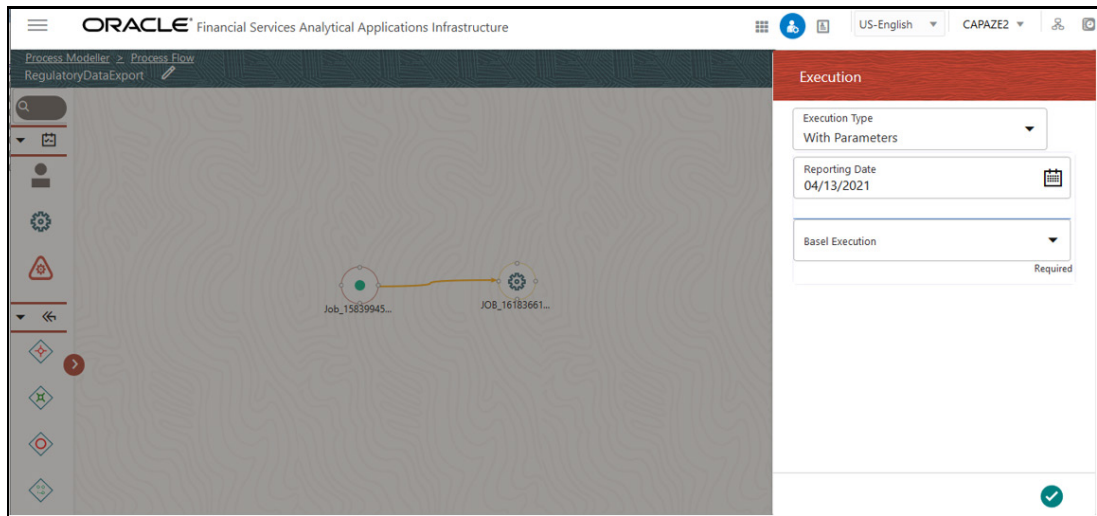
A popup window appears.

Figure 247: Execution Page

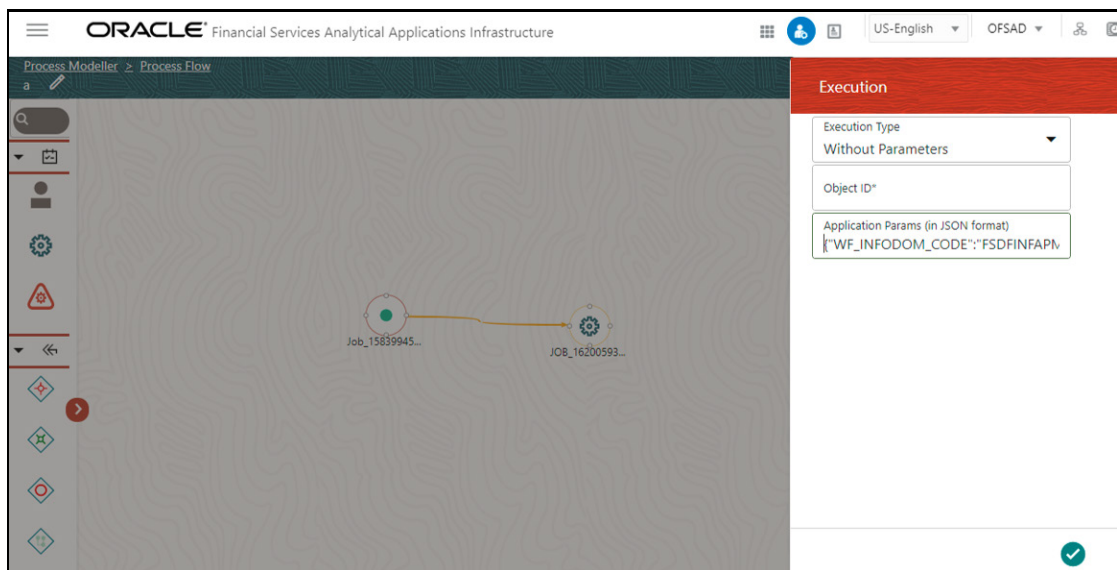
6. Select the **Execution Type** as **Without Parameters**, then enter the Object ID. Click **OK** icon. Now the process is executed

Execution Type 2

1. Enter the required parameters in the execution window and run.

Figure 248: Execution Type as With Parameters Page

Execution Type 3- JSON option

Figure 249: Execution Type with JSON Format Page

17 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](#)
- [Rules Framework Features](#)
- [Dimension Mapping](#)

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

17.1 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 are depending on your logon privileges and on the OFSAA modules that are installed for your environment.

Figure 250: Metadata Management Landing Page



17.2 Business Metadata

In addition to Derived Entity, REG REP 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 vs. Liability vs. Service products; under the Asset branch, you can define additional branches for Mortgage Lending, Commercial Lending, Consumer Lending, and so on.
- **Measures:** Business Measure refers to a uniquely named data element of relevance that can be used to define views within the data warehouse. It typically implies aggregated information as opposed to information at a detailed granular level that is available before adequate transformations.
- **Business Processor:** It refers to a uniquely named data element of relevance that can be used to define views within the data warehouse. It typically implies aggregated information as opposed to information at a detailed granular level that is available before adequate transformations.
- **Datasets:** It refers to a group of tables whose inter-relationship is defined by specifying a join condition between the various tables. It is a basic building block to create a query and execute a data warehouse for a large number of functions and to generate reports.

17.3 Derived Entity

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

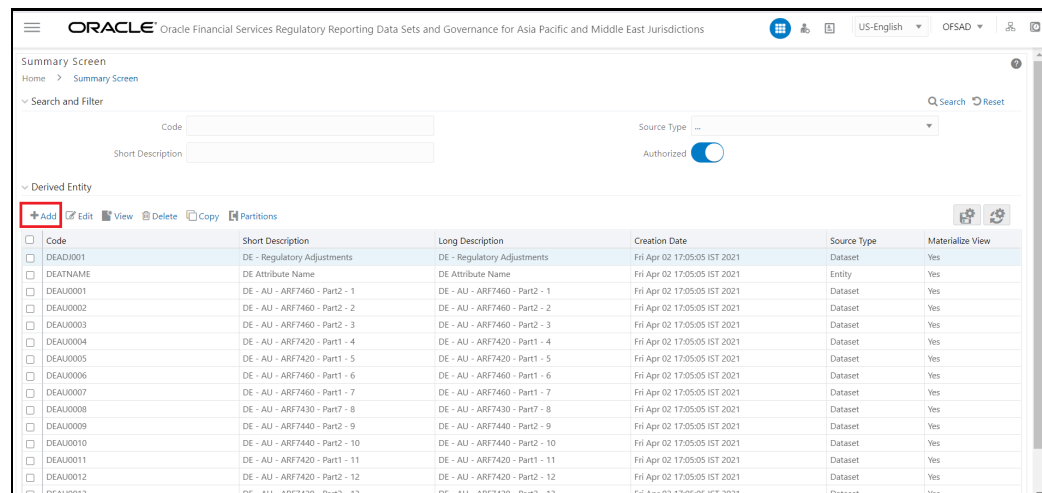
Derived Entities comprise the following:

- Measures
- Hierarchies
- Datasets

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

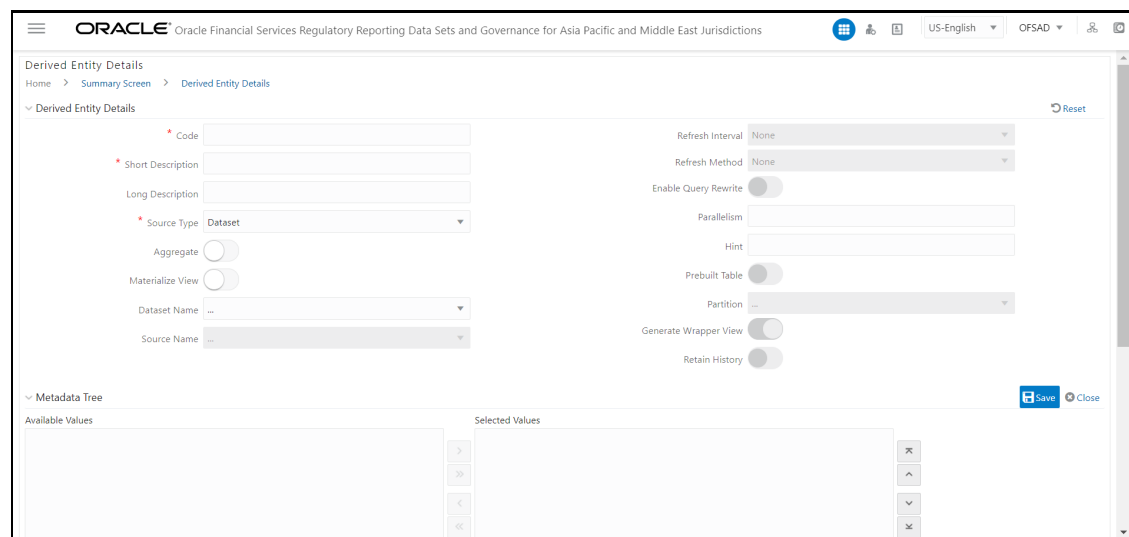
1. Navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Metadata Management**, and then select **Derived Entity**. The existing derived entities Summary Screen is displayed. You can Add a new Derived Entity and Edit, View, Delete, or Copy an existing Derived Entity.

Figure 251: Derived Entity Summary Page



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

Figure 252: Derived Entity User Interface



17.3.1 Creating Derived Entity

Derived Entities must have **Code**, **Short Description** and **Source Type** mandatory dimensions as shown in **Error! Reference source not found..** The rest of the structure of the derived entity can vary depending on the dimensions present. A metadata configuration table is present in AgileREPORTER to link the name of the column in the Derived Entity and dimension that is referred to in the Dimension Mapping Process.

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

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

For more information on creating a Derived Entity, see the [OFS Analytical Applications Infrastructure User Guide](#).

17.4 Rules Framework Features

OFSDF Interface with Lombard Risk for APRA/MAS/RBI uses the following Rules Framework of OFSAA. For more information about the features, see the [OFS Analytical Applications Infrastructure User Guide](#).

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

Regulatory Reporting Solution uses Rules for reclassification of dimensions.

17.5 Dimension Mapping

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

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

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

The following table is derived after converting the dimension member and measure names into corresponding dimension member codes (not surrogate keys) and measure codes. This Decision Table Mapping is provided for each decision table in excel format as per the template. AgileREPORTER converts the Decision Table Mapping present in excel into configuration entries within their schema.

Table 43: Dimension Mapping Example

Item/Table Code	Is Derived?	Cell Value Measure	ISO Country Code	Intragroup Customer Indicator	Customer Domicile Country ISO Code	Original Maturity Band Code	Financial Entity Flag	APRA Regulatory Product Group Code	APRA Regulatory Party Group Code	APRA Regulatory Party Class Code
BSAO27797	NO	Fair Value	AU	N	AU	9;10;11;12;13;14		DEBTSECINV		NFINCORP-REGGOV
BSAO27799	NO	Fair Value	AU	N		1;2;3;4;5;6;7;8	N	DEBTSECINV	NOT GENGGOVT-CEN; GENGOVT-SEMIGOV;	NOT NFINCORP-REGGOV
BSAO27799	NO	Fair Value	AU	N	AU	1;2;3;4;5;6;7;8		DEBTSECINV		NFINCORP-REGGOV
BSAO27799	NO	Fair Value	AU	N	AU	1;2;3;4;5;6;7;8		DEBTSECINV	GENGOVT-CEN; GENGOVT-SEMIGOV;	

NOTE

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

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

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

NOTE

As a part of the solution, metadata exists as ready-to-use or pre-configured with the installer.

18 Executing Run through Process Modelling Framework in OFS REG REP APME

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 Data Sets and Governance for Asia Pacific and Middle East Jurisdictions (OFS REG REP APME) 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 APME](#)
- [Verifying the Execution Logs](#)

18.1 Overview

In OFS REG REP APME, 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 Ready-to-use Runs for data loading:

- Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions (OFS REG REP APME) Sourced Run
- Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions (OFS REG REP APME) Execution Run

18.2 Designing a Pipeline in OFS REG REP APME

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 APME 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](#).

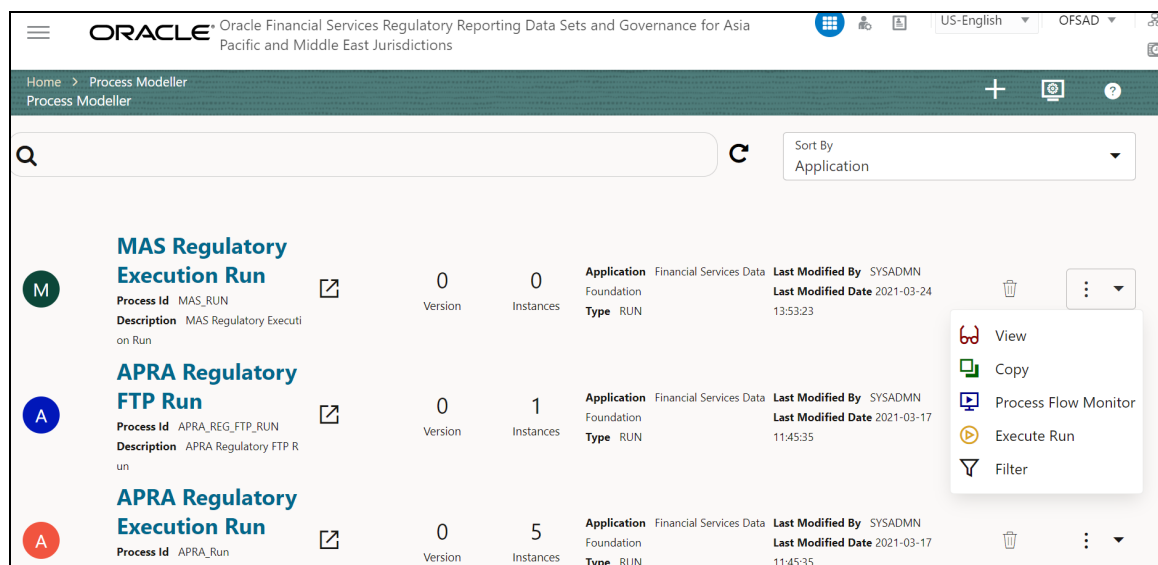
18.2.1 Selecting the Run Parameters and Executing the Run

After designing and saving the process flow diagram, the Process is listed in the *Process Modeller* Page.

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

1. After logging into OFSAI applications page, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Process** and then select **Process Modeller**.
2. In the **Process Modeller** Page, click **More**  corresponding to the Run Pipeline that must be executed.

Figure 253: Process Modeller Page



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

Figure 254: Select Run Parameter Screen

Execution

Execution Type
With Parameters

FIC MIS Date
03/31/2021

Consolidation Hierarchy
Required

Consolidation Type
Solo

Intra Company Elimination
Yes

GAAP Code
ADGAAP - Andorra GAAP

✓

4. Select the **Execution Type** as **With Parameters** from the dropdown list.
5. Select or enter the required values for each field as follows.

Table 44: Run Parameter Fields and Descriptions

Field Name	Description or Instruction
TEMPLATE_NAME	Enter the template name of the Run.
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.

Field Name	Description or Instruction
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.
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.
Run Execution Description	Enter a longer description of the Run.

6. When you click  **OK** button, 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.

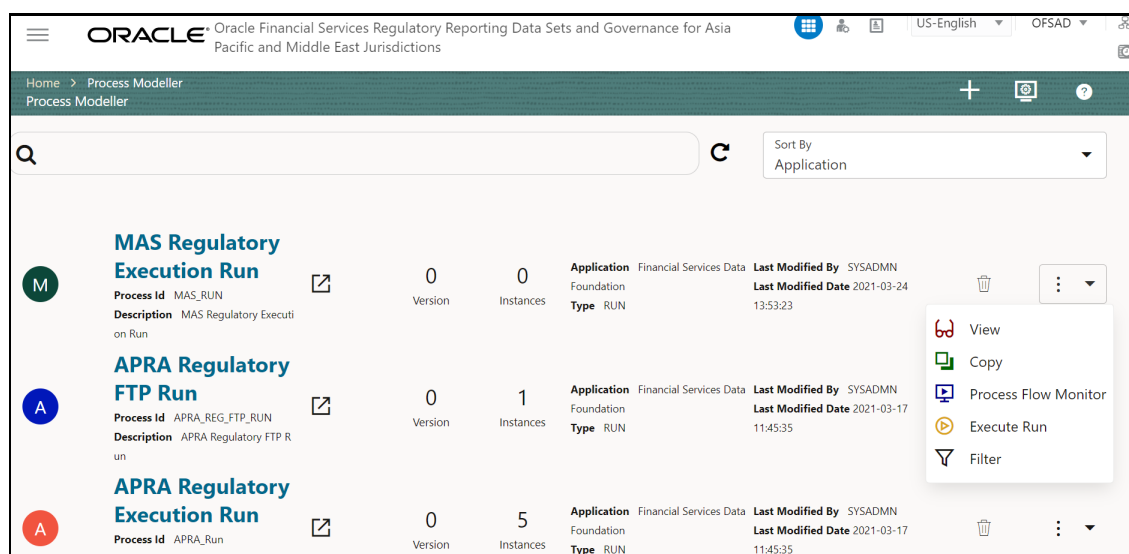
18.2.2 Verifying the Run Execution

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 255: Process Modeler Run Execution Screen



2. Select the **Process Flow Monitor** option from the drop-down list. 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 256: Process Monitor Screen

Icon	Process ID	Entity Name	Process Name	Process Description	Execution Start Time	Last Execution Time	Last Updated By	Status
M	1617206986519	MAS Run execution	MAS Regulatory Execution Run	MAS Regulatory y Execution Run	31-MAR-21 09:52:25	31-MAR-21 10:08:39	OFSAD	COMPLETED
D	SubProcess_Job_15838173 68733	Default Object Name	MAS Process	MAS Process	31-MAR-21 00:02:28	31-MAR-21 10:08:38	OFSAD	COMPLETED
D	SubProcess_Job_15838173 09678	Default Object Name	MAS Regulatory Common Process	MAS Regulatory y Common Process	31-MAR-21 00:00:47	31-MAR-21 10:02:28	OFSAD	COMPLETED
D	SubProcess_Job_15838172 38534			FSDf Miscellan	31-MAR-21 09:59:47		OFSAD	


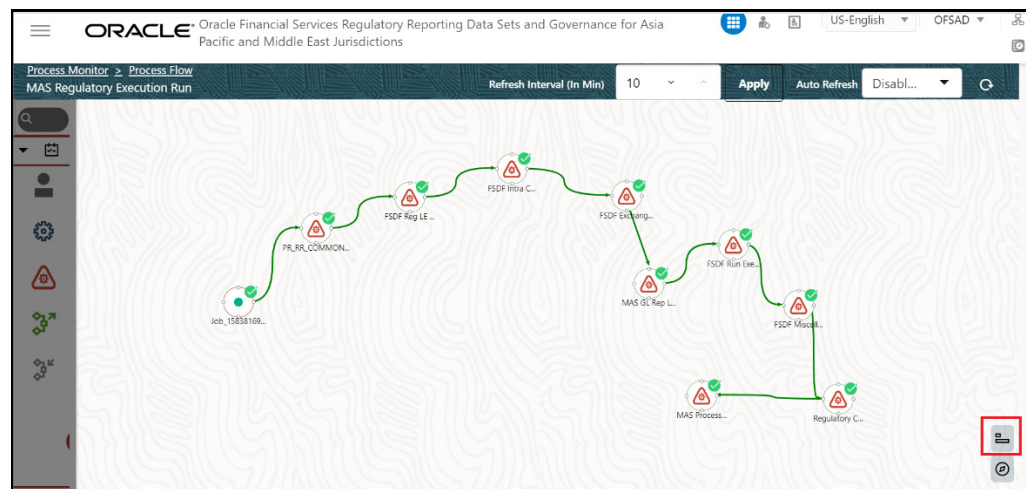
The Process Flow Diagram Window is displayed. The  icon at each Sub Pipeline indicates that the Run Execution is successful.

Figure 257: 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.

18.2.3 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:

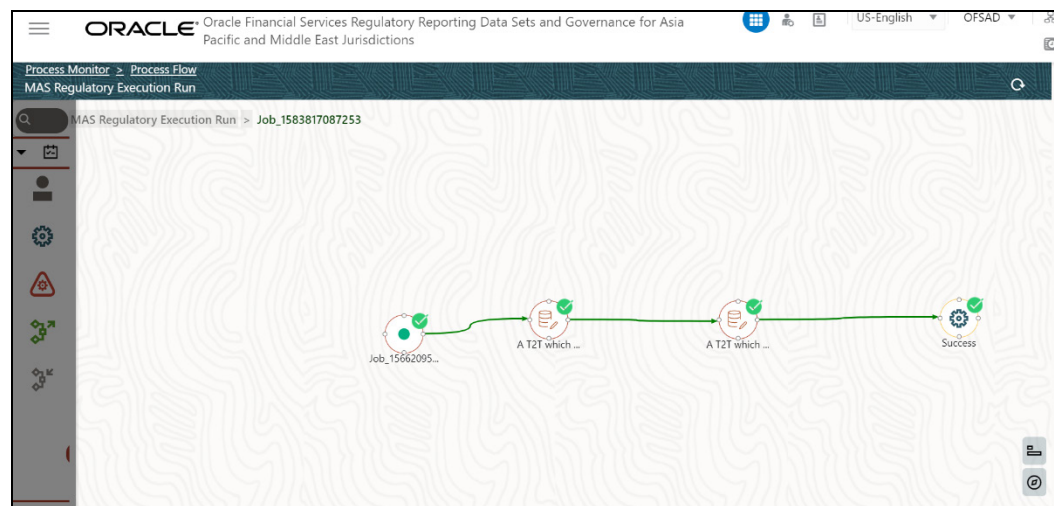
1. After logging into OFSAAI Applications Page, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Process** and then select **Process Monitor**.
2. In the **Process Monitor** Window, click the required process flow ID. The Process Flow Diagram is displayed in a new window.

Figure 258: Sub Pipeline

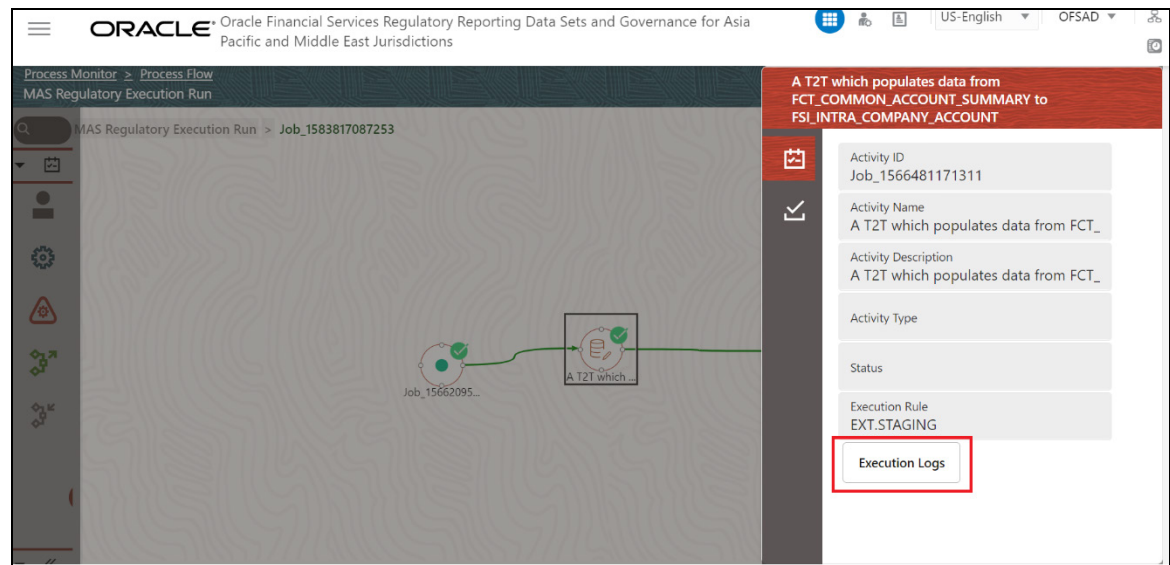


3. Click the required metadata to verify the execution log.

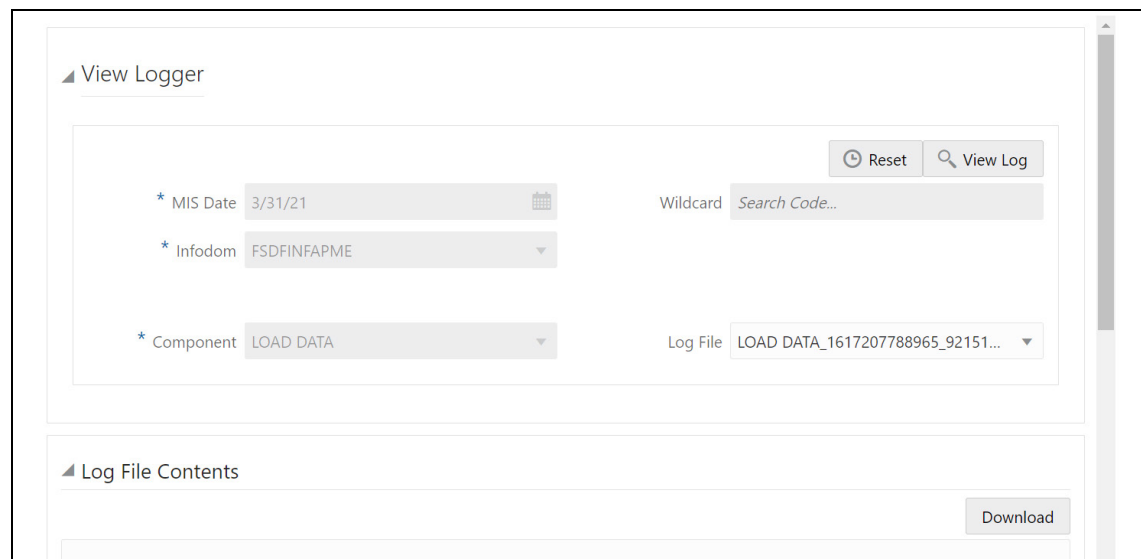
Figure 259: Execution Logs



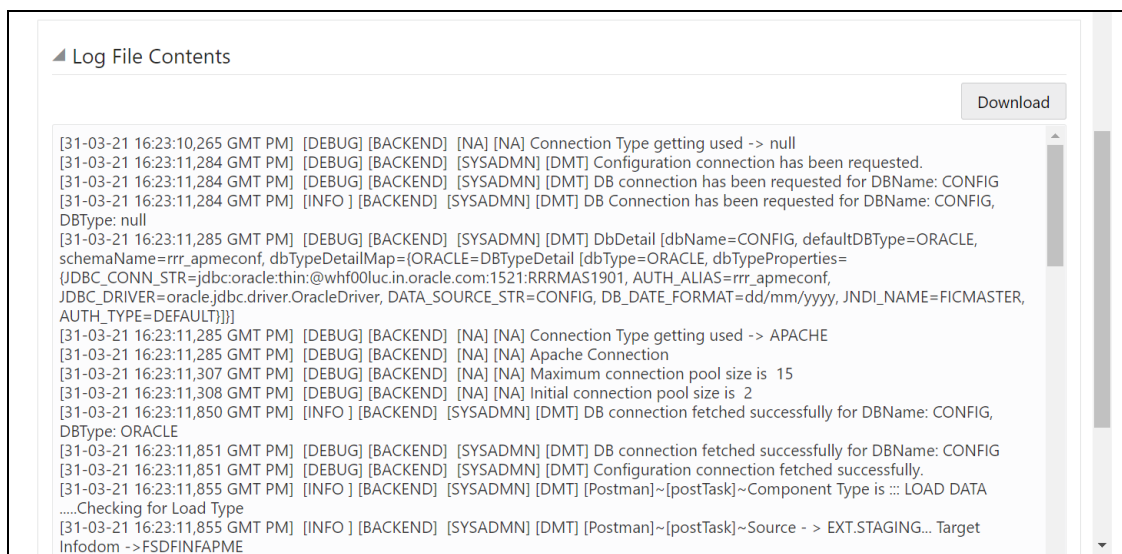
4. Click the required node and the Activity Window is displayed.

Figure 260: Activity Logs

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



6. 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 261: View Run Execution Log Window


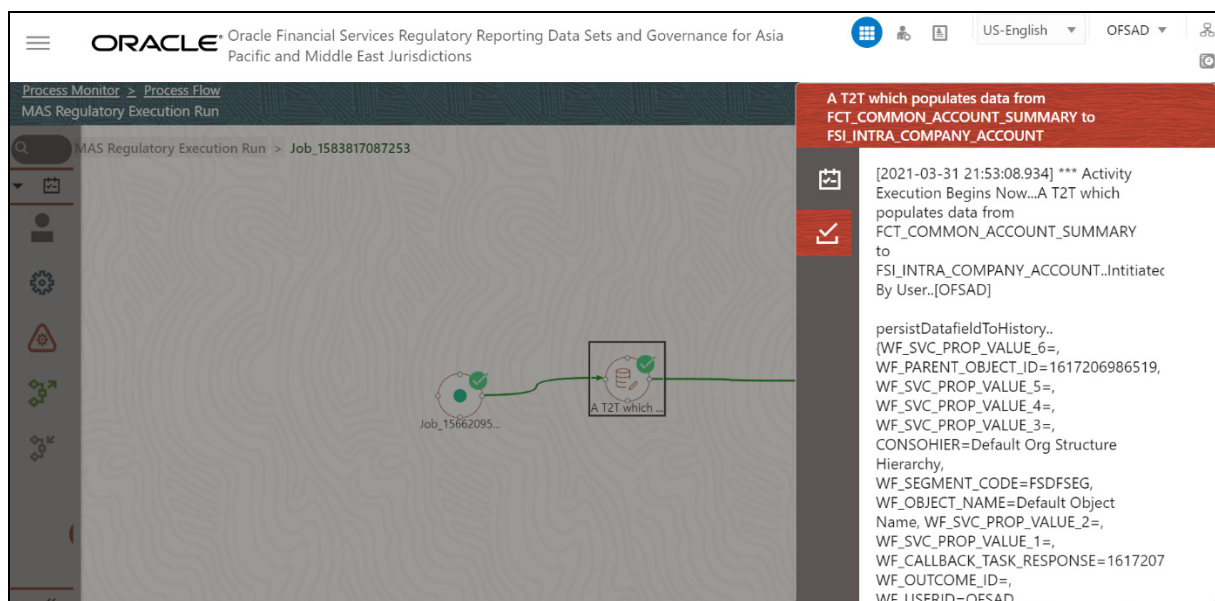
Alternatively, to verify the execution logs, click the  icon in the Process Flow Diagram Window. The log details of the Run execution are displayed in a new window.

Figure 262: Run Execution Logs

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

19 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 published reports there are two new features introduced such as Reports Mapping and Reports Publish in the OFS REG REP APME Application.

Currently, the Regulatory Reporting Logic is built inside the Configuration Package and therefore, any additional configuration is not supported in the REG REP APME 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 performs 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.

19.1 User Roles and Actions

All the users are required to be mapped to the following user groups and user roles:

Table 45: User Group

Group Code	Group Name
REGADMINGRP	Regulatory Reporting Admin Group
REGMAPPERGRP	Regulatory Reporting Mapper Group

19.2 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 APME Application.

19.2.1 View Report Mappings

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

1. After logging into the OFSAAI Applications Page, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Regulatory Reports**, then select **Report Mappings**.

Figure 263: Regulatory Reporting Summary Page

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

US-English OFSAD

Regulatory Report Summary

Regulatory Jurisdiction

Search

RAQ
Report on Asset Quality

S
Returns of Assets and Liabilities

RCAIII
Capital adequacy that are on and off balance sheet

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 264: Regulatory Report Summary Result Page

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

US-English OFSAD

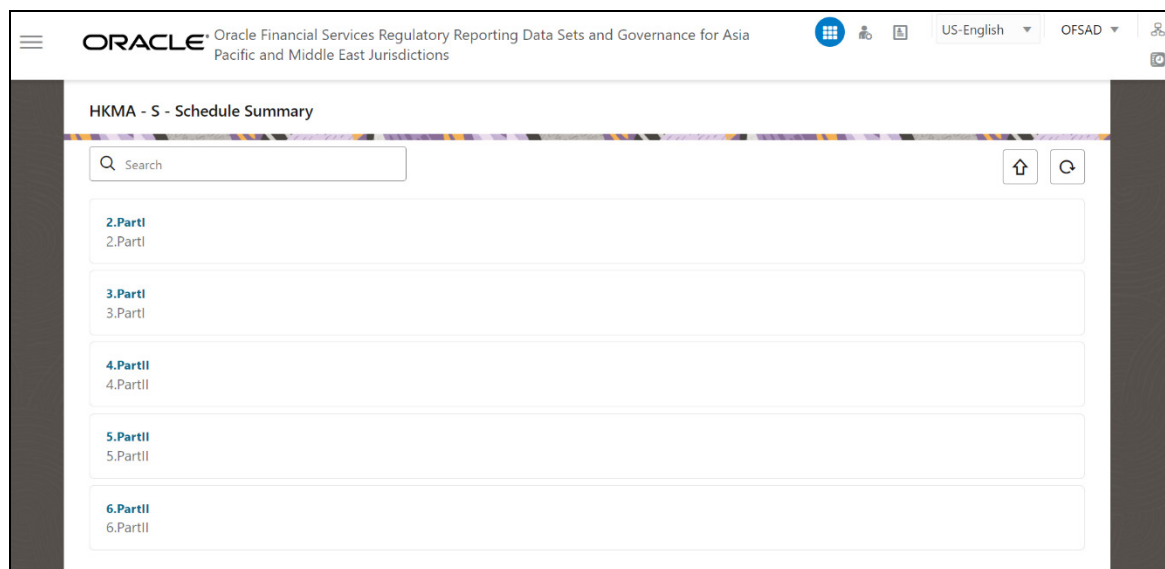
Regulatory Report Summary

Regulatory Jurisdiction
Hong Kong Monetary Authority

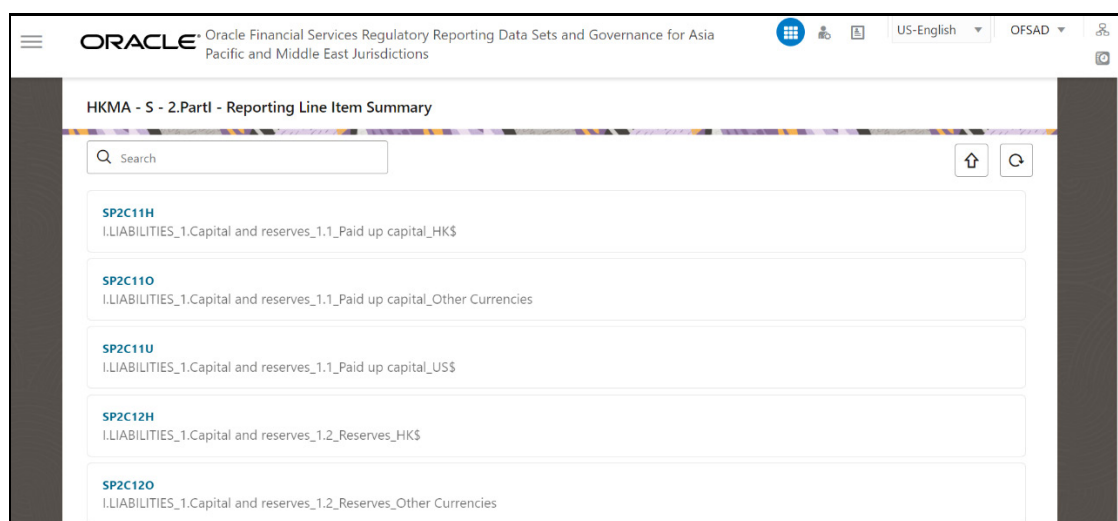
Search S

S
Returns of Assets and Liabilities

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

Figure 265: Report Schedule Summary Page

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

Figure 266: Schedule Based Reporting Line-Item Summary Page

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 267: Seeded Mapping Details Page

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled
SP2C11H-Management Reporting Lines	Management Reporting	End Of Period Balance of GL	Reporting Line Code is ('Paid up capital') and Scenario Code is ('Actual') and ISO Currency Code is ('Hong Kong Dollar') and GL Branch Country Code is ('Hong Kong')	<input checked="" type="checkbox"/>

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
SP2C11H-Adjustments	Adjustments	Adjusted Amount	Regulatory Report Cell Identifier is ('SP2C11H') and Regulatory Report Code is ('S')

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.

6. Double click on the Attribute Conditions of the existing Seeded Mapping to view the Mapping Path.

Figure 268: Mapping Data Path for a Line Item Window

Mapping Data Path for S - 2.Part1 - SP2C11H - I.LIABILITIES_1.Capital and reserves_1.1.Paid up capital_HK\$

Mapping Name
SP2C11H-Management Reporting Lines

Mapping Type
Seeded

Reporting Dataset
Management Reporting Lines

Reporting Measure
End Of Period Balance of GL

Attribute Conditions
Reporting Line Code is ('Paid up capital') and
Scenario Code is ('Actual') and
ISO Currency Code is ('Hong Kong Dollar') and
GL Branch Country Code is ('Hong Kong')

OK

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

19.2.2 Enable or Disable Seeding Mapping Path

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

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

Figure 269: Seeded Mapping Details Page

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

HKMA - S - 2.Part1 - SP2C11H - I.LIABILITIES_1.Capital and reserves_1.1.Paid up capital_HK\$ - Mapping Paths

Seeded Mapping Template Version: v0 | Seeded Mapping Logic Version: 8.1.2.0.0

Seeded Mapping Paths ☒

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled
SP2C11H- Management Reporting Lines	Management Reporting	End Of Period Balance of GL	Reporting Line Code is ('Paid up capital') and Scenario Code is ('Actual') and ISO Currency Code is ('Hong Kong Dollar') and GL Branch Country Code is ('Hong Kong')	<input checked="" type="checkbox"/>

Adjustment Mapping Paths

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
SP2C11H- Adjustments	Adjustments	Adjusted Amount	Regulatory Report Cell Identifier is ('SP2C11H') and Regulatory Report Code is ('S')

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

Figure 270: Disabled Seeding Mapping Details Page

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

HKMA - S - 2.Part1 - SP2C11H - I.LIABILITIES_1.Capital and reserves_1.1.Paid up capital_HK\$ - Mapping Paths

Seeded Mapping Template Version: v0 | Seeded Mapping Logic Version: 8.1.2.0.0

Seeded Mapping Paths ☐

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled
SP2C11H- Management Reporting Lines	Management Reporting	End Of Period Balance of GL	Reporting Line Code is ('Paid up capital') and Scenario Code is ('Actual') and ISO Currency Code is ('Hong Kong Dollar') and GL Branch Country Code is ('Hong Kong')	<input type="checkbox"/>

Adjustment Mapping Paths

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
SP2C11H- Adjustments	Adjustments	Adjusted Amount	Regulatory Report Cell Identifier is ('SP2C11H') and Regulatory Report Code is ('S')

Or

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

Figure 271: Disable seeded Mapping of a Specific Mapping ID Page

Seeded Mapping Template Version: v0

Seeded Mapping Logic Version: 8.1.2.0.0

Seeded Mapping Paths ☐

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled
SP2C11H-Management Reporting Lines	Management Reporting	End Of Period Balance of GL	Reporting Line Code is ('Paid up capital') and Scenario Code is ('Actual') and ISO Currency Code is ('Hong Kong Dollar') and GL Branch Country Code is ('Hong Kong')	<input type="checkbox"/>

Adjustment Mapping Paths

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
SP2C11H-Adjustments	Adjustments	Adjusted Amount	Regulatory Report Cell Identifier is ('SP2C11H') and Regulatory Report Code is ('S')

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

19.2.3 Add Report Mappings

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

1. After logging into the OFSAAI Applications Page, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Regulatory Reports**, then select **Report Mappings**.

Figure 272: Regulatory Reporting Summary Page

Regulatory Report Summary

Regulatory Jurisdiction: [Dropdown]

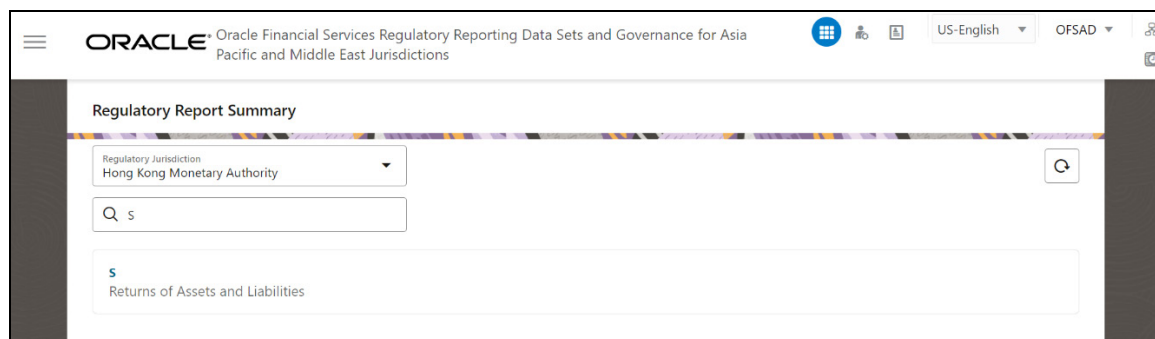
Search: [Input]

RAQ
Report on Asset Quality

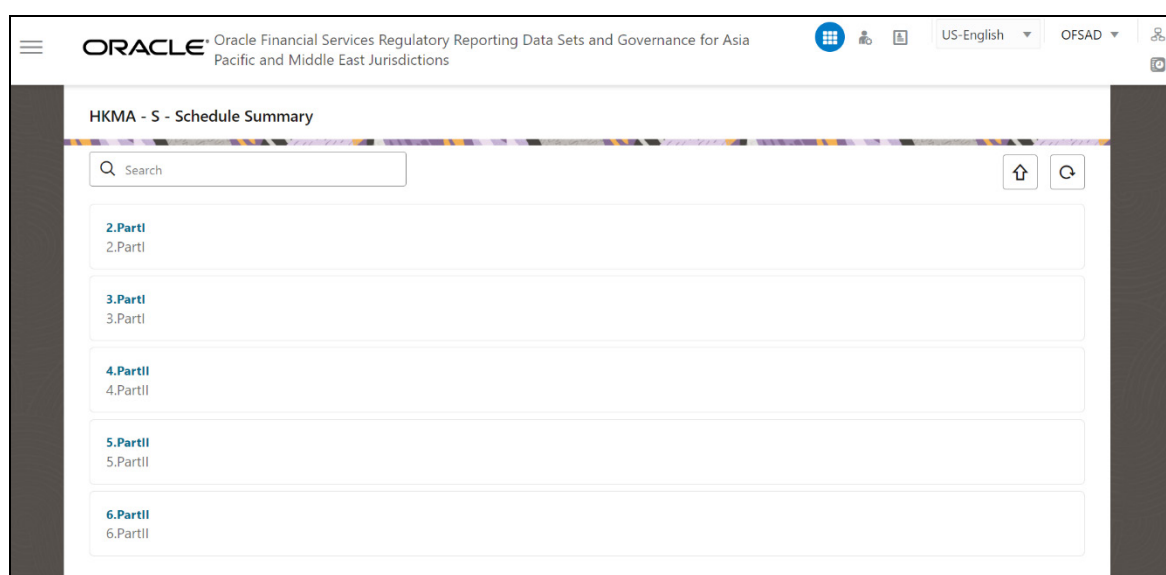
S
Returns of Assets and Liabilities

RCAIII
Capital adequacy that are on and off balance sheet

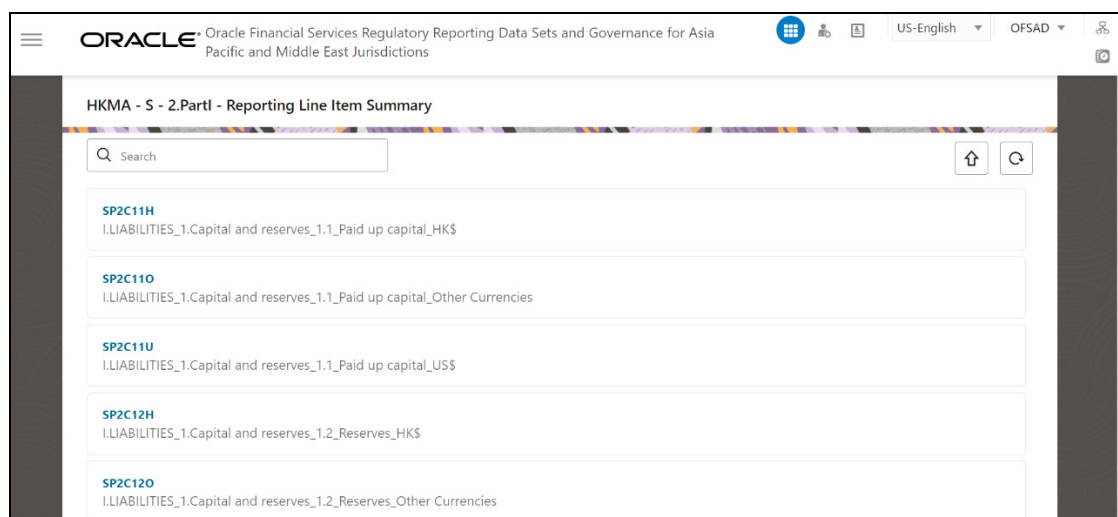
2. Select the **Regulatory Jurisdiction** from the dropdown list and in the **Search Pane**, enter the report that you wish to add the additional configuration.

Figure 273: Regulatory Report Summary Result Page

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

Figure 274: Report Schedule Summary Page

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

Figure 275: Schedule Based Reporting Line-Item Summary Page

- 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 276: Seeded Mapping Details Page

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

HKMA - S - 2.Part1 - SP2C11H - I.LIABILITIES_1.Capital and reserves_1.1.Paid up capital_HK\$ - Mapping Paths

Seeded Mapping Template Version: v0

Seeded Mapping Logic Version: 8.1.2.0.0

Seeded Mapping Paths ☒

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions	Enabled
SP2C11H- Management Reporting Lines	Management Reporting	End Of Period Balance of GL	Reporting Line Code is ('Paid up capital') and Scenario Code is ('Actual') and ISO Currency Code is ('Hong Kong Dollar') and GL Branch Country Code is ('Hong Kong')	<input checked="" type="checkbox"/>

Adjustment Mapping Paths

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
SP2C11H- Adjustments	Adjustments	Adjusted Amount	Regulatory Report Cell Identifier is ('SP2C11H') and Regulatory Report Code is ('S')

The seeded mapping details consists of the reporting logic for map


- Click the **Add** icon  to add an alternative mapping path for an MDRM. The Alternative Mapping Path Page is displayed.

Figure 277: Alternative Mapping Details Addition Page

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

HKMA - S - 2.Part1 - SP2C11H - I.LIABILITIES_1.Capital and reserves_1.1.Paid up capital_HK\$ - Mapping

Mapping Name *

Mapping Description

Regulatory Dataset *

Measure *

Reporting as of

☒ Reporting Date ☐ Previous End of Month

☐ Previous End of Quarter ☐ Previous End of Year

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.			

- Enter information in the following fields.

Table 46: Alternative Mapping Details Addition

Field Name	Description or Instruction
Mapping Name	Enter the name of the new mapping configuration.

Field Name	Description or Instruction
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.
Reporting as of	Select the appropriate reporting option from the available list: <ul style="list-style-type: none"> • Reporting Date- Select this option for a specific reporting date. • Previous End of Month- Select this option to report based on previous end of the month. • Previous end of Quarter- Select this option to report based on previous end of the quarter. • Previous end of Year- Select this option to report based on previous end of the year.
Aggregation Over Time	Select the appropriate aggregation option from the available list: <ul style="list-style-type: none"> • Month to Date- Select this option to calculate the aggregation from a month to a specific date. • Quarter to Date- Select this option to calculate the aggregation from a Quarter to a specific date. • Year to Date- Select this option to calculate the aggregation from a Year to a specific date. • Inception to Date- Select this option to calculate the aggregation from an inception to a specific date.


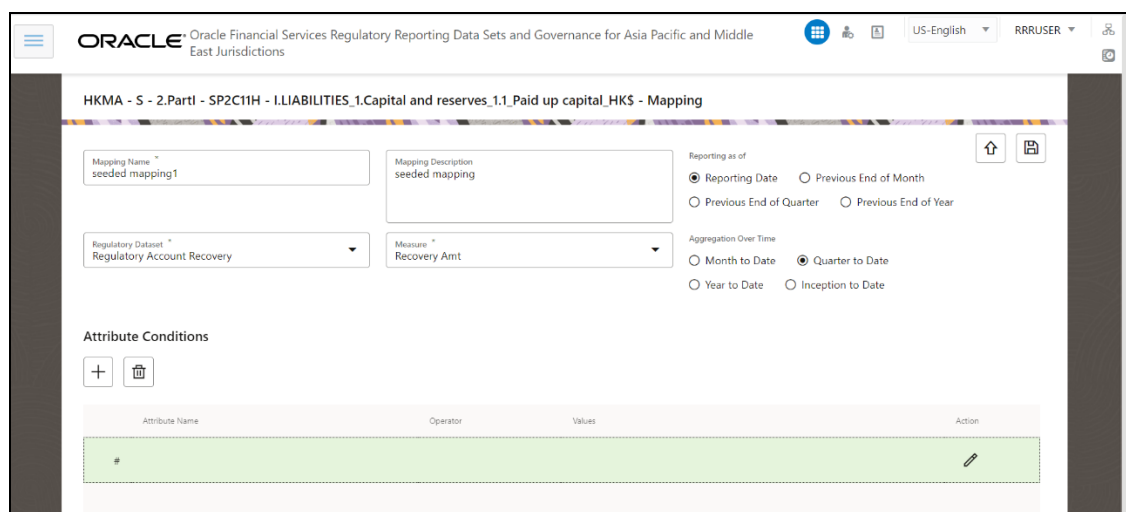
8. Click the Attribute **Add** icon  to add the attribute conditions for the MDRM. The Attribute Addition Window is displayed.

Figure 278: Attribute Condition Add Window



ORACLE Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions

HKMA - S - 2.PartI - SP2C11H - I.LIABILITIES_1.Capital and reserves_1.1.Paid up capital_HKS - Mapping

Mapping Name * seeded mapping1

Mapping Description seeded mapping

Regulatory Dataset * Regulatory Account Recovery

Measure * Recovery Amt

Reporting as of

☒ Reporting Date ☐ Previous End of Month


☐ Previous End of Quarter ☐ Previous End of Year

Aggregation Over Time

☐ Month to Date ☒ Quarter to Date

☐ Year to Date ☐ Inception to Date

Attribute Conditions

Attribute Name	Operator	Values	Action
#			

For more information on the User Interface Metadata, see [MOS](#).


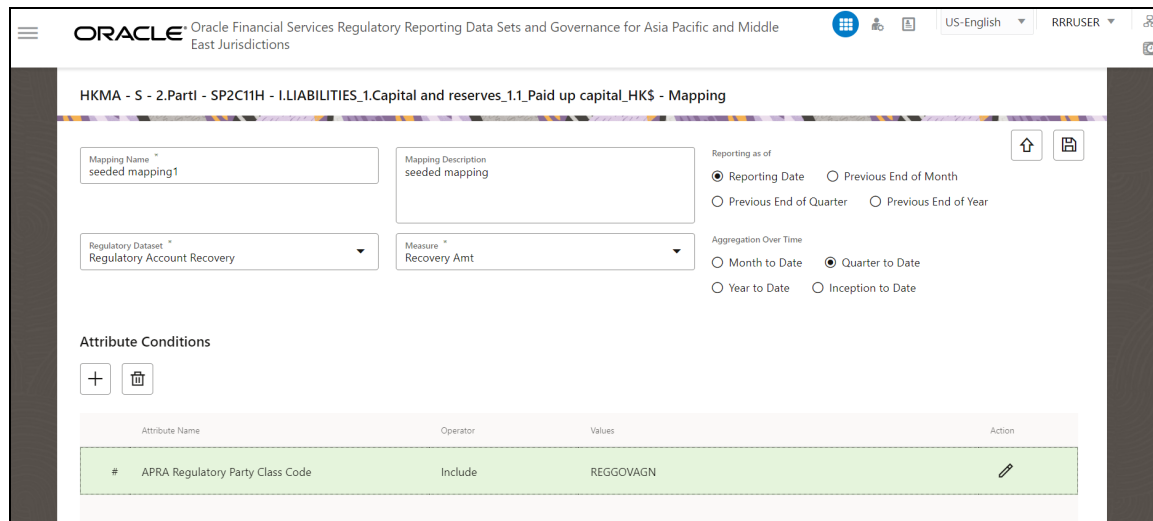
- Click the **Edit** icon  to add the attribute conditions such as **Attribute Name**, **Operator** and **Value** from the dropdown list.

Figure 279: Attribute Condition Details page



ORACLE Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions

HKMA - S - 2.PartI - SP2C11H - I.LIABILITIES_1.Capital and reserves_1.1.Paid up capital_HK\$ - Mapping

Mapping Name * seeded mapping1

Mapping Description seeded mapping

Regulatory Dataset * Regulatory Account Recovery

Measure * Recovery Amt

Reporting as of

☒ Reporting Date ☐ Previous End of Month


☐ Previous End of Quarter ☐ Previous End of Year

Aggregation Over Time

☐ Month to Date ☒ Quarter to Date

☐ Year to Date ☐ Inception to Date

Attribute Conditions

Attribute Name	Operator	Values	Action
# APRA Regulatory Party Class Code	Include	REGGOVAGN	

- Click the **Save** icon  to save the added attribute details.


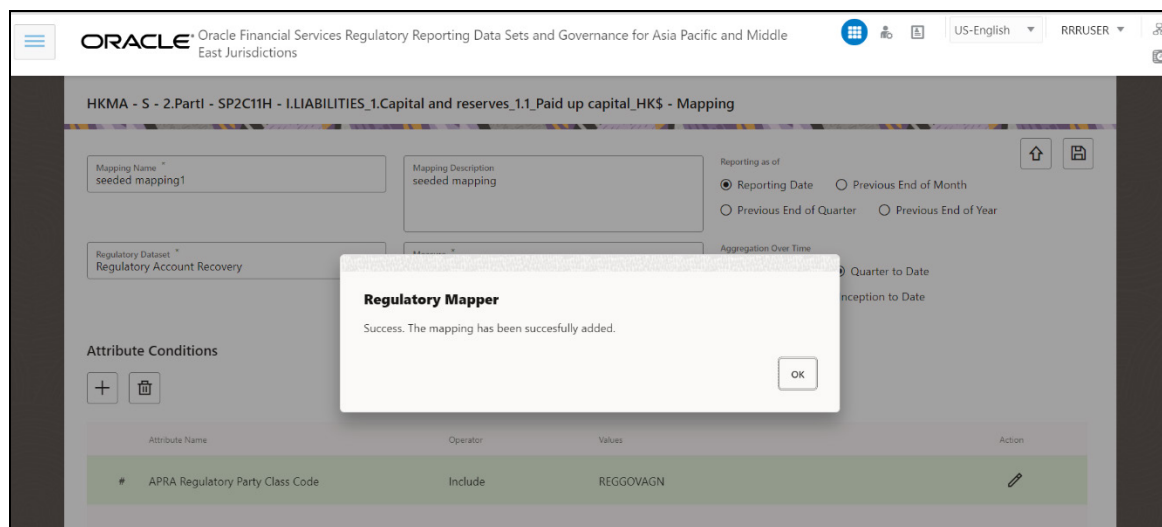
- Click the **Save** button  to save the added Alternative Mapping Path in the application. A Regulatory Mapping added Confirmation Window is displayed.

Figure 280: Regulatory Mapping Added Confirmation Window



ORACLE Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions

HKMA - S - 2.PartI - SP2C11H - I.LIABILITIES_1.Capital and reserves_1.1.Paid up capital_HK\$ - Mapping

Mapping Name * seeded mapping1

Mapping Description seeded mapping

Regulatory Dataset * Regulatory Account Recovery

Reporting as of

☒ Reporting Date ☐ Previous End of Month


☐ Previous End of Quarter ☐ Previous End of Year

Aggregation Over Time

☐ Month to Date ☒ Quarter to Date

☐ Year to Date ☐ Inception to Date

Attribute Conditions

Attribute Name	Operator	Values	Action
# APRA Regulatory Party Class Code	Include	REGGOVAGN	

Regulatory Mapper

Success. The mapping has been successfully added.

OK

- Click the **Ok** button  and the newly added Alternative Mapping Path Save Page is displayed.

Figure 281: Added Mapping Save Page

The screenshot shows the 'Added Mapping Save Page' in the Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions. The page title is 'HKMA - S - 2.Part1 - SP2C11H - I.LIABILITIES_1.Capital and reserves_1.1.Paid up capital_HK\$ - Mapping Paths'. It features two dropdown menus for 'Seeded Mapping Template Version' (v0) and 'Seeded Mapping Logic Version' (8.1.2.0.0). Below these are fields for 'Lines', 'GL', and 'GL Branch Country Code is ('Hong Kong')'. The 'Adjustment Mapping Paths' section contains a table with one row: 'SP2C11H-Adjustments' mapped to 'Adjustments' with 'Adjusted Amount' and 'Regulatory Report Cell Identifier is ('SP2C11H') and Regulatory Report Code is ('S')'. The 'Alternate Mapping Paths' section has a '+' button and a table with one row: 'seeded mapping1' mapped to 'Reporting Date' with 'Regulatory Dataset' 'Regulatory Account Recov' and 'Reporting Measure' 'Recovery Amt Quarter to Date'. The 'Attribute Conditions' are 'APRA Regulatory Party Class Code is ('Regional Government Agencies')'. There are 'Edit' and 'Delete' buttons for the alternate mapping.

Mapping Name	Regulatory Dataset	Reporting Measure	Attribute Conditions
SP2C11H-Adjustments	Adjustments	Adjusted Amount	Regulatory Report Cell Identifier is ('SP2C11H') and Regulatory Report Code is ('S')

Mapping Name	Reported as of	Regulatory Dataset	Reporting Measure	Attribute Conditions	Edit	Delete
seeded mapping1	Reporting Date	Regulatory Account Recov	Recovery Amt Quarter to Date	APRA Regulatory Party Class Code is ('Regional Government Agencies')		

19.3 Reports Publish

Before retrieving the report, this feature allows you to verify the reporting values after considering Seeded Mappings and Alternate Mappings.

Prerequisites

- Based on the selected jurisdiction for Report Publish, the corresponding jurisdiction batch must be executed:
 - REG_FISCAL_PERIODS_HKMA
 - REG_FISCAL_PERIODS_RBI

To publish the reports, follow these steps:

- After logging into the OFSAAI Applications Page, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, select **Regulatory Reports**, then select **Report Publish**.

Figure 282: Report Publish Summary Page

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

Report Publish Summary

Regulatory Jurisdiction

Search

Report Publish Execution Summary

Execution ID	Execution Name	Reporting Date	Run Skye	Logic Version	Consolidation Hierarchy	Consolidation Type	Reporting Currency	Number of Entities	Number of Reports	Status
1002	RBI RAQ	31-DEC-2017	7	8.1.2.0.0	Default Org Structure Hierarchy	CONSL - Consolidated	HKD - Hong Kong Dollar	1	1	Execution Success
1001	HKMA S Report	31-DEC-2017	7	8.1.2.0.0	Default Org Structure Hierarchy	CONSL - Consolidated	HKD - Hong Kong Dollar	1	1	Execution Success


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

Figure 283: Publish Reports Window

The screenshot shows a 'Publish Reports' window with the following fields and controls:

- Report Publish Name ***: A text input field.
- Reporting Date**: A date field showing '04/08/2022' with a calendar icon.
- Reporting Run ***: A dropdown menu.
- Legal Entities ***: A text input field.
- Regulatory Jurisdiction ***: A dropdown menu.
- Logic Version ***: A dropdown menu.
- Regulatory Reports ***: A text input field.
- Publish** and **Cancel** buttons at the bottom.

3. Enter information in the following fields.

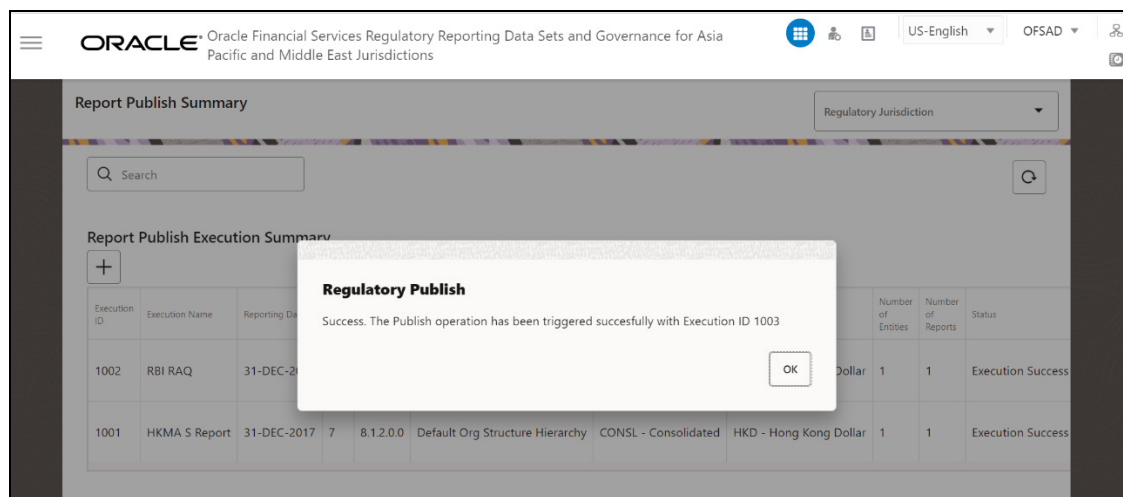
Table 47: Reports Publish

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.

Field Name	Description or Instruction
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.

- Click the **Publish** Button to publish the report for the report to retrieve the Fact Table Data. A Confirmation Window is displayed.

Figure 284: Reports Publish Confirmation Window



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

NOTE

To view the Report Publish data from Agile REPORTER, execute the RESAVE_DE_REG_COMMON batch to resave the Derived Entities.

19.3.1 Manage Reports Publish

To re-execute, final publish or view the published reports, follow these steps:

- After logging into the OFSAAI applications page, navigate to **Oracle Financial Services Regulatory Reporting Data Sets and Governance for Asia Pacific and Middle East Jurisdictions**, then select **Report Publish**.

Figure 285: Report Publish Summary Page

Report Publish Summary

Regulatory Jurisdiction

Search

Report Publish Execution Summary

Execution ID	Execution Name	Reporting Date	Run Key	Logic Version	Consolidation Hierarchy	Consolidation Type	Reporting Currency	Number of Entities	Number of Reports	Status	Re-Execute
1003	Publish rep	30-SEP-2022	15	8.1.2.0.0	Default Org Structure Hierarchy	CONSL - Consolidated	INR - Indian Rupee	1	1	Execution Success	↺
1002	RBI RAQ	31-DEC-2017	7	8.1.2.0.0	Default Org Structure Hierarchy	CONSL - Consolidated	HKD - Hong Kong Dollar	1	1	Execution Success	↺
1001	HKMA S Report	31-DEC-2017	7	8.1.2.0.0	Default Org Structure Hierarchy	CONSL - Consolidated	HKD - Hong Kong Dollar	1	1	Execution Success	↺

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 286: Report Publish Execution Summary Page

Report Publish Summary

Regulatory Jurisdiction

Search HKMA S Report

Report Publish Execution Summary

Execution ID	Execution Name	Reporting Date	Run Key	Logic Version	Consolidation Hierarchy	Consolidation Type	Reporting Currency	Number of Entities	Number of Reports	Status	Re-Execute	Final Publish	Details
1001	HKMA S Report	31-DEC-2017	7	8.1.2.0.0	Default Org Structure Hierarchy	CONSL - Consolidated	HKD - Hong Kong Dollar	1	1	Execution Success	↺	📄	🔍

You can **Re-execute**, **Final Publish** or **View** the details of the published report.

20 Report Submission

This chapter provides an understanding of the report submission process.

Topics:

- [Report Submission: AgileREPORTER to Regulator](#)
- [Edit Checks or Validity Check or Quality Checks](#)
- [Report Templates to be used in AgileREPORTER](#)
- [Supported Report Template Version and Activation Date](#)

20.1 Report Submission: AgileREPORTER to Regulator

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

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

20.2 Edit Checks or Validity Check or Quality Checks

The AgileREPORTER carries out the report level or submission check comprising Edit Checks or Validity Checks, or Quality Checks as provided by the regulator.

NOTE

See the AgileREPORTER user documentation provided by Lombard Risk, for details of activities within the AgileREPORTER.

20.3 Report Templates to be used in AgileREPORTER

The latest report templates including previous versions available in AgileREPORTER are listed as follows.

Table 48: Report Names or Templates

Report Name	Report Template
ARF7200A_V1	ARF7200A_V1
ARF7200B_V1	ARF7200B_V1
ARF7201A_V1	ARF7201A_V1
ARF7201B_V1	ARF7201B_V1
ARF7202A_V1	ARF7202A_V1
ARF7202B_V1	ARF7202B_V1
ARF7203_V1	ARF7203_V1

Report Name	Report Template
ARF7204_V1	ARF7204_V1
ARF7205_V1	ARF7205_V1
ARF7206_V1	ARF7206_V1
ARF7207_V1	ARF7207_V1
ARF7210A_V1	ARF7210A_V1
ARF7210B_V1	ARF7210B_V1
ARF7230_V1	ARF7230_V1
ARF7300_V1	ARF7300_V1
ARF7301_V1	ARF7301_V1
ARF7410_V1	ARF7410_V1
ARF7420A_V1	ARF7420A_V1
ARF7420B_V1	ARF7420B_V1
ARF7430_V1	ARF7430_V1
ARF7440A_V1	ARF7440A_V1
ARF7440B_V1	ARF7440B_V1
ARF7450_V1	ARF7450_V1
ARF7460A_V1	ARF7460A_V1
ARF7460B_V1	ARF7460B_V1
ARF7470A_V1	ARF7470A_V1
ARF7470B_V1	ARF7470B_V1
ARF7480A_V1	ARF7480A_V1
ARF7480B_V1	ARF7480B_V1

20.4 Supported Report Template Version and Activation Date

The AgileREPORTER contains the details of the Report Template Version and the Activation Date of the same. This can be accessed by selecting the Entity setup option in the Settings Menu which enables you to Add, Modify, and Delete Entities. Click on an existing Entity to Access Report Templates according to version and the Activation Date, and assign the necessary privileges as required.

Figure 287: AgileREPORTER Entity Setup for APRA

Entity Setup: APRA (Australian Prudential Regulation Authority)

Entity: **Westpac1** [Delete](#)

☒ Can be used for reporting?

[Edit Entity](#) [Assign Returns](#) [Variable](#)

Return	Valid from	Valid to	
<input checked="" type="checkbox"/> ARF7200B v1			Configure
<input checked="" type="checkbox"/> ARF7201A v1			Configure
<input checked="" type="checkbox"/> ARF7201B v1			Configure
<input checked="" type="checkbox"/> ARF7202A v1			Configure
<input checked="" type="checkbox"/> ARF7202B v1			Configure
<input checked="" type="checkbox"/> ARF7203 v1			Configure
<input checked="" type="checkbox"/> ARF7204 v1			Configure
<input checked="" type="checkbox"/> ARF7205 v1			Configure
<input checked="" type="checkbox"/> ARF7206 v1			Configure

[Assign](#) [Cancel](#)

Figure 288: AgileREPORTER Entity Setup for MAS

Entity Setup: MAS (Monetary Authority of Singapore)

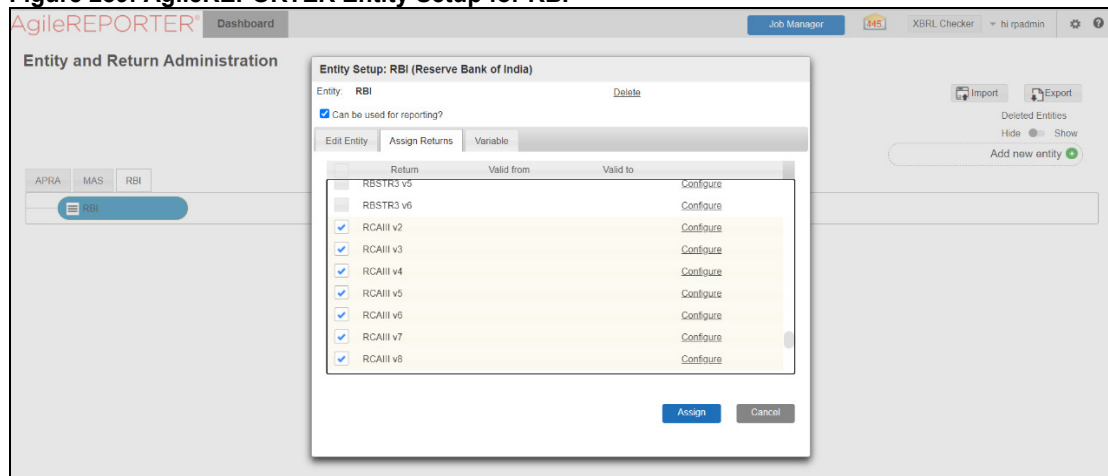
Entity: **Singapore Holding Company** [Delete](#)

☒ Can be used for reporting?

[Edit Entity](#) [Assign Returns](#) [Variable](#)

Return	Valid from	Valid to	
<input checked="" type="checkbox"/> MAS610_B1_B2 v1			Configure
<input checked="" type="checkbox"/> MAS610_B3 v1			Configure
<input checked="" type="checkbox"/> MAS610_C1 v1			Configure
<input checked="" type="checkbox"/> MAS610_D1 v1			Configure
<input checked="" type="checkbox"/> MAS610_D2 v1			Configure
<input checked="" type="checkbox"/> MAS610_D3 v1			Configure
<input checked="" type="checkbox"/> MAS610_D4 v1			Configure
<input checked="" type="checkbox"/> MAS610_D5 v1			Configure
<input checked="" type="checkbox"/> MAS610_E1 v1			Configure

[Assign](#) [Cancel](#)

Figure 289: AgileREPORTER Entity Setup for RBI

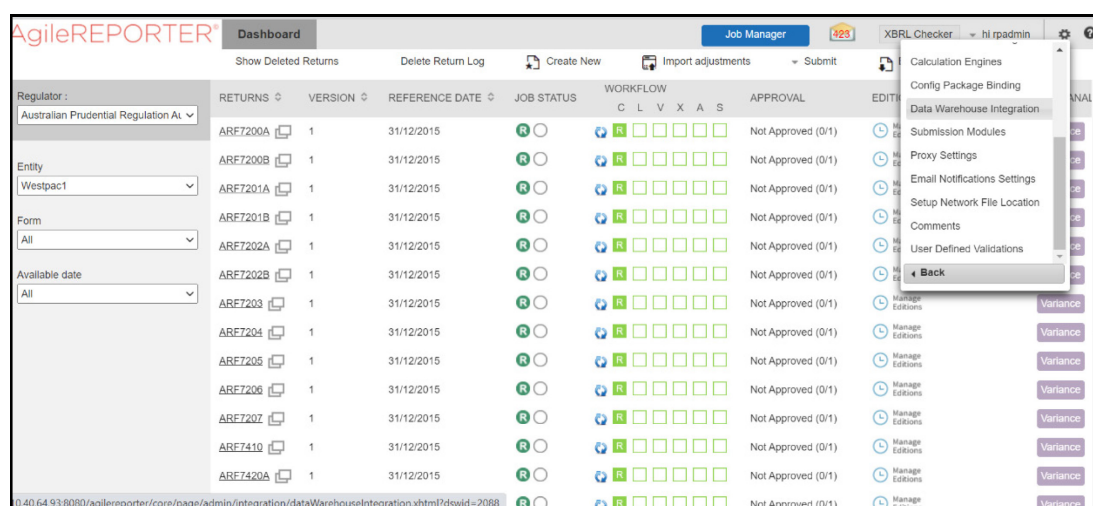
21 Maintenance

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

Changes to the regulatory template are one of the most common and continuous activity. The following steps help to assess the impact (You can replace the Measure and Dimension for existing Data Warehousing Configuration Pack using the below process):

- Choosing different execution as a final. After report verification, if the requirement is to change the execution, then you must visit **Error! Reference source not found.** Section. After making these changes you must refresh Derived Entities (Executing Batch to Resave Derived Entities). Then AgileREPORTER also must retrieve returns so that revised data is reflected on AgileREPORTER.
- 1. If Executing Batch to Resave Derived Entities is not working, you can look for Batch Operation Log files. For file path, see the [OFS Analytical Applications Infrastructure Installation and Configuration Guide](#).
- To update the revised Data Warehouse Configuration Pack, perform the following instructions.
 - a. Click *Settings* → *Administration* → *Data Warehouse Integration*.

Figure 290: Data Warehouse Integration Page



- b. Click **Add** to add a contextual button.

Figure 291: Adding Contextual Button Window

- c. Enter details of the contextual button.

Name: It is the text that must be displayed in the contextual button.

URL Pattern: Replace <<OFSAA_HOST>>, <<OFSAA_PORT>> and <<OFSAA_CONTEXT>> with host, port and web context of the environment where OFSAA is installed. Replace <<OFSAA_HOST>> with the name of information domain.

```
http://<<host:port>>/OFSAA/drilldown/${regulatoryPrefix}/${formCode}/${cellId}/${formVersion}/${referenceDate}/${run}/${entityCode}
```

Example:

```
http://127.0.0.1:8080/ofsaa/OFSAADrilldown/drilldown.jsp?cellid=${cellId}&infodom=OFSFSD
FINFO&legalentity=${entityCode}&run=${run}&date=${referenceDate}&regulator=${regulatory
Prefix}&report=${formCode}
```

- i. Use http or https depending on the protocol configured for OFSAA.
 - ii. Pick an icon.
- d. Click **Add** to save the details.

Figure 292: Contextual Button Added Page

	NAME	LINKED TO	URL PATTERN	DESCRIPTION	ICON
	OFSAA	AGILE REPORTER	http://10.40.154.96:4055/OFSAA/drill	Drill to further details	
	OFSAA DRILLDOWN URL	AGILE REPORTER	http://127.0.0.1:8080/ofsaa/OFSAADri	Added drilldown URL	

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

NOTE

See [AgileREPORTER user documentation](#) for details.

22 Troubleshooting Guidelines

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

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

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

Topics:

- [Prerequisites](#)
- [Troubleshooting Use Cases](#)

22.1 Prerequisites

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

Figure 293: AgileREPORTER

Regulator	RETURN ID	VERSION	REFERENCE DATE	JOB STATUS	WORKFLOW	APPROVAL	EDITIONS	TRANSMISSION	ANALYSIS	MODIFIED BY
Australian Prudential Regulation Authority	ARE1121A	1	31/01/2020	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 12:06:48 RFPADMIN
Entity	ARE1121B	1	31/01/2020	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 12:07:08 RFPADMIN
Group	ARE1200A	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:37:30 RFPADMIN
Form	ARE1200B	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:37:47 RFPADMIN
Available date	ARE1201A	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:38:02 RFPADMIN
	ARE1201B	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:38:18 RFPADMIN
	ARE1201C	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:38:29 RFPADMIN
	ARE1201D	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:38:42 RFPADMIN
	ARE1201E	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:38:55 RFPADMIN
	ARE1201F	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:39:11 RFPADMIN
	ARE1201G	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:39:24 RFPADMIN
	ARE1201H	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:39:38 RFPADMIN
	ARE1201I	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:39:45 RFPADMIN
	ARE1201J	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:40:00 RFPADMIN
	ARE1201K	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:41:14 RFPADMIN
	ARE1201L	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:41:38 RFPADMIN
	ARE1201M	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:42:11 RFPADMIN
	ARE1201N	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:42:54 RFPADMIN
	ARE1201O	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:43:12 RFPADMIN
	ARE1201P	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:43:28 RFPADMIN
	ARE1201Q	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:44:08 RFPADMIN
	ARE1201R	1	31/12/2019	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	Not Approved (P1)	28/08/2020 13:44:23 RFPADMIN

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

22.2 Troubleshooting Use Cases

The use cases described for swift troubleshooting are as follows.

Topics:

- [Unable to Generate Report](#)
- [Data Unavailable in AgileREPORTER](#)
- [Data Available in AgileREPORTER but Not as Expected](#)

22.2.1 Unable to Generate Report

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

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

22.2.2 Data Unavailable in AgileREPORTER

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

22.2.2.1 Fetching Null or Zero Values

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

Figure 294: Fetching Null Values

The screenshot displays the AgileREPORTER v1 interface for the Australian Prudential Regulation Authority (WESTPAC) on 12/31/2015. The main form is titled 'Australian Busine' and includes fields for 'Institution Name' (Bank Name) and 'Reporting Date' (31/12/2015). A yellow warning banner states: 'All numeric cells are denominated in ONE (1's) except those in blue outline.' Below the form, a table titled 'XBRL Transmission Header Details' lists various fields, all of which contain the value 'NULL'. The table includes fields such as 'Lodgment.ReturnIdentifier.Code', 'Lodgment.ReturnVersion.Number', 'Lodgment.ReturnName.Text', 'Report.Type.Code', 'Report.Version.Text', 'Lodgment.FormName.Text', 'Miscellaneous.ReportingConsolidationIdentifier.Co', 'Miscellaneous.ReportingConsolidationType.Code', 'Miscellaneous.ReportingConsolidationSubType.Co', 'Miscellaneous.ReportingConsolidationName.Text', and 'Period.Start.Date'. On the right side, a sidebar shows a 'Pages' menu with 'Summary' (Validation Rule Failures), 'Critical', 'Warning', and 'GeneralInformation' (SectionA, SectionB, SectionC).

XBRL Transmission Header Details	
Lodgment.ReturnIdentifier.Code	NULL
Lodgment.ReturnVersion.Number	NULL
Lodgment.ReturnName.Text	NULL
Report.Type.Code	NULL
Report.Version.Text	NULL
Lodgment.FormName.Text	NULL
Miscellaneous.ReportingConsolidationIdentifier.Co	NULL
Miscellaneous.ReportingConsolidationType.Code	NULL
Miscellaneous.ReportingConsolidationSubType.Co	NULL
Miscellaneous.ReportingConsolidationName.Text	NULL
Period.Start.Date	NULL

Figure 295: Fetching Zero Values

AgileREPORTER® CAR v10 European Common Reporting / EU 01/04/2014 Not Approved (0/1)

▲ Show Import Log ▾ Adjustments ▾ Export to File ▾ Submit 🔍 Live Validation 🔍 Validate Now ▾ Workflow 🗨 Return Sources ▾ Analysis

Editions 06/30/2020 17:05:07 #1 Manage Editions Instances 1

C 01.00 - OWN FUNDS (CA1) All numeric calls are denominated in THOUSANDS (000's) except those in blue outline. Show Scale ●

Rows	ID	Item	Amount
690	1.1.2.4	Transitional adjustments due to additional recognition in AT1 Capital of instruments issued by subsidiaries	NULL
690	1.1.2.5	(-) Reciprocal cross holdings in AT1 Capital	NULL
700	1.1.2.6	(-) AT1 instruments of financial sector entities where the institution does not have a significant investment	0
710	1.1.2.7	(-) AT1 instruments of financial sector entities where the institution has a significant investment	NULL
720	1.1.2.8	(-) Excess of deduction from T2 items over T2 Capital	0
730	1.1.2.9	Other transitional adjustments to AT1 Capital	0
740	1.1.2.10	Excess of deduction from AT1 items over AT1 Capital (deducted in CET1)	0
744	1.1.2.11	(-) Additional deductions of AT1 Capital due to Article 3 CRR	NULL
748	1.1.2.12	AT1 capital elements or deductions - other	NULL
750	1.2	TIER 2 CAPITAL	7,119
760	1.2.1	Capital instruments and subordinated loans eligible as T2 Capital	7,015
770	1.2.1.1	Paid up capital instruments and subordinated loans	7,015
780	1.2.1.2*	Memorandum item: Capital instruments and subordinated loans not eligible	NULL

CA1P1
CA1P2
CA1P3
CA2P1
CA2P2
CA2P3
CA2P1 (DE)
CA2P2 (DE)
CA3P1
CA4_Calc
CA4P1
CA4P2
CA4P3
CA4P4
CA5P1
CA5P2
CA5P3

You must validate as:

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

22.2.3 Data Available in AgileREPORTER but Not as Expected

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

Let us take the following example to illustrate the steps to be followed. This refers to Section A from ARF720_OA report. Particular cell referred here is BSAO27424:

2. Total funds on deposit at other financial institutions:

(2.1) Residents:

Figure 296: Section A from ARF7200A Report

	At call (1)	of which: Denominated in FX (AUD equivalent) (2)	Not at call (3)	of which: Denominated in FX (AUD equivalent) (4)	Total (5)
1. Total currency and unallocated gold	384,949,370,684	212,943,088,886			
1.1. Notes and coins	196,153,273,376	108,506,435,144			
1.2. Unallocated gold	188,796,097,308	104,436,653,722			
2. Total funds on deposit at other financial institutions	28,035,253	10,677,699	22,205,272	13,580,285	50,240,525
2.1. Residents	22,520,200	7,626,928	16,690,219	10,529,514	39,210,419
2.1.1. RBA	3,757,527	1,525,386	2,757,527	1,525,386	6,515,054
2.1.2. ADIs	14,247,621	3,050,771	8,417,639	5,953,357	22,665,260
2.1.3. Registered financial corporations	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054
2.1.4. Clearing houses and central counterparties	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054
2.1.5. Other financial institutions	-1,000,002	-1	-1	-1	-1,000,003
2.2. Non-residents	5,515,053	3,050,771	5,515,053	3,050,771	11,030,106
2.2.1. of which: Clearing houses and central counterparties	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054
3. Total securities held for trading	-129,951	-83,647			
3.1. of which: Short-sold positions	363,564	208,861			
3.2. of which: Securities lent or sold under repurchase agreements	30,000	30,000			
3.3. Debt securities	25,726	2,707			
3.4. Equity securities	-155,677	-86,354			
4. Total securities not held for trading	14,178,185	4,583,617			
4.1. Debt securities	11,766,511	4,244,245			
4.2. Equity securities	2,411,674	339,372			

You can drill down for each cell to check the details of data as to what is included in the aggregation. To drill down, click the value of a particular cell and it is shown highlighted. It shows the OFSAA Data Lineage Icon on clicking as shown in **Error! Reference source not found.**

Figure 297: Drill down OFSAA Icon

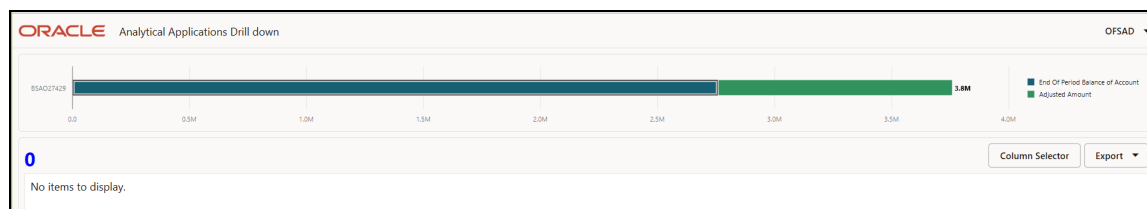
	At call (1)	of which: Denominated in FX (AUD equivalent) (2)	Not at call (3)	of which: Denominated in FX (AUD equivalent) (4)	Total (5)
1. Total currency and unallocated gold	384,949,370,684	212,943,088,886			
1.1. Notes and coins	196,153,273,376	108,506,435,144			
1.2. Unallocated gold	188,796,097,308	104,436,653,722			
2. Total funds on deposit at other financial institutions	28,035,253	10,677,699	22,205,272	13,580,285	50,240,525
2.1. Residents	22,520,200	7,626,928	16,690,219	10,529,514	39,210,419
2.1.1. RBA	3,757,527	1,525,386	2,757,527	1,525,386	6,515,054
2.1.2. ADIs	14,247,621	3,050,771	8,417,639	5,953,357	22,665,260
2.1.3. Registered financial corporations	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054
2.1.4. Clearing houses and central counterparties	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054
2.1.5. Other financial institutions	-1,000,002	-1	-1	-1	-1,000,003
2.2. Non-residents	5,515,053	3,050,771	5,515,053	3,050,771	11,030,106
2.2.1. of which: Clearing houses and central counterparties	2,757,527	1,525,386	2,757,527	1,525,386	5,515,054
3. Total securities held for trading	-129,951	-83,647			
3.1. of which: Short-sold positions	363,564	208,861			
3.2. of which: Securities lent or sold under repurchase agreements	30,000	30,000			
3.3. Debt securities	25,726	2,707			
3.4. Equity securities	-155,677	-86,354			
4. Total securities not held for trading	14,178,185	4,583,617			
4.1. Debt securities	11,766,511	4,244,245			
4.2. Equity securities	2,411,674	339,372			

Ensure that you are logged into the OFSAA infrastructure before clicking the **Drill down** Icon.

- If you are not already logged in, clicking here opens the OFSAA Infrastructure Login Window. Log in using appropriate credentials and come back to Report Portal and click the same **Data Lineage** Icon again.

- If you are already logged in to OFSAA Infrastructure, the Data Lineage First Page opens as shown in **Error! Reference source not found..**

Figure 298: AgileREPORTER Drill-down

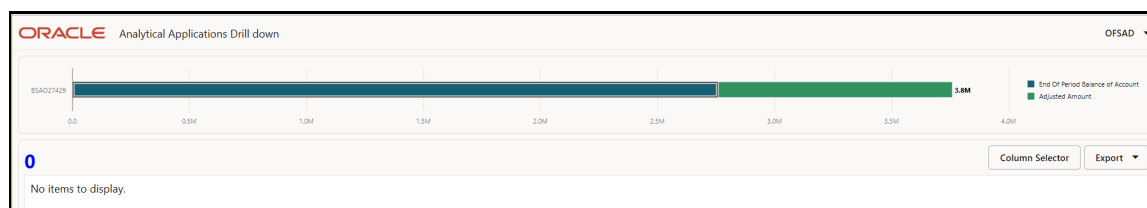


- The Upper Pane of this screen shows the following information which helps to connect the AgileREPORTER aggregated data to OFSAA References.
 - a. Run Execution ID: This refers to the OFSAA Execution ID chosen for a given report.
 - b. Date: This refers to As of Date selected for a given report.
 - c. Legal Entity: This refers to the OFSAA Legal Entity for whom the report is generated.
 - d. Reference Identifier: This is the cell reference for which data drill down / lineage is being checked.

The lower pane displays all hierarchies with values used in a given Derived Entity and Measures aggregated for a given combination of hierarchy values.

To refer the Measure Values, scroll rightwards using the horizontal scroll bar at bottom of the lower pane. On the extreme right, measures are displayed as shown in **Error! Reference source not found.**

Figure 299: Measure Values



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

Topics:

- [Using Drill Down with Data Lineage View](#)
- [Drill down View is Unavailable](#)

22.2.3.1 Using Drill Down with Data Lineage View

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

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

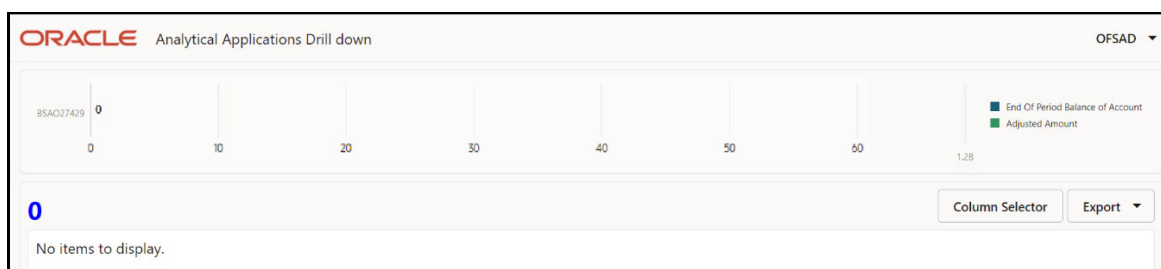
Any deviation from expectations can be then checked back for:

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

22.2.3.2 Drill down View is Unavailable

If the second block does not show any data, then data analysts or you are advised to see the Dataset worksheet of Business Metadata.

Figure 300: Drill down Data Unavailable



There can be a few reasons why the drill down screen does not show the data:

1. Internet Connection is timed out or broken down - in this case clicking Data Lineage on AgileREPORTER results in a drill down page. To rectify this, re-login to OFSAA infrastructure and AgileREPORTER.
2. Drill down data view works after Metadata is published using OFSAA Infrastructure to validate if Metadata is properly published or not.
3. If Metadata is published and the drill down screen still does not show the data, then start with Derived Entity code shown at the beginning of the drill down screen. This Derived Entity code is available even if data is unavailable.
4. Using this Derived Entity code, data analysts are advised to see the OFSAA Business Metadata document with the worksheet name as *Derived Entity*. Sample Business Metadata excel is shown in the following **Error! Reference source not found.**

Figure 301: Business Metadata-1

1	Derived Entity Code	Short Description	Long Description	Source Type	Aggregate	Materialized View	Dataset Code	Dataset Name	Selected Metadata
120	DERR002	DE - Management Reporting YTD Movement	DE - Management Reporting YTD Movement	Dataset	Y	Y	DERR002	DE - Management Reporting YTD Movement	Reporting Line Code Consolidation Code Entity Country ID Org Structure Entity Code Calendar Date Run Description Branch BSR Code Movement RCV
121									Reporting Line Code
122									Consolidation Code
123									Entity Country ID
124									Org Structure Entity Code
125									Calendar Date
126									Run Description
127									Branch BSR Code
128									Movement RCV
129	DERR003	DE - Management Reporting QTD Movement	DE - Management Reporting QTD Movement	Dataset	Y	Y	DERR003	DE - Management Reporting QTD Movement	Reporting Line Code Consolidation Code Entity Country ID Org Structure Entity Code Calendar Date Run Description Movement RCV Consolidation Name Branch BSR Code
130									Reporting Line Code
131									Consolidation Code
132									Entity Country ID
133									Org Structure Entity Code
134									Calendar Date
135									Run Description
136									Movement RCV
137									Consolidation Name
138	DERR004	DE - Management Reporting MTD Movement	DE - Management Reporting MTD Movement	Dataset	Y	Y	DERR004	DE - Management Reporting MTD Movement	Reporting Line Code Consolidation Code Entity Country ID Org Structure Entity Code Calendar Date Run Description Exp Balance PCV Movement RCV Branch BSR Code
139									Reporting Line Code
140									Consolidation Code
141									Entity Country ID
142									Org Structure Entity Code
143									Calendar Date
144									Run Description
145									Exp Balance PCV
146									Movement RCV
147	DERR005	DE - Reg Account YTD Metrics	DE - Reg Account YTD Metrics	Dataset	Y	Y	DERR005	DE - Reg Account YTD Metrics	Regulatory Deposit Type Group Code Regulatory Deposit Type Code Entity Country ID Org Structure Entity Code Calendar Date Run Description Exp Interest amount RCV
148									Regulatory Deposit Type Group Code
149									Regulatory Deposit Type Code
150									Entity Country ID
151									Org Structure Entity Code
152									Calendar Date
153									Run Description
154									Exp Interest amount RCV
155	DERR006	DE - Reg Account QTD Metrics	DE - Reg Account QTD Metrics	Dataset	Y	Y	DERR006	DE - Reg Account QTD Metrics	Regulatory Deposit Type Group Code Regulatory Deposit Type Code Entity Country ID Org Structure Entity Code Calendar Date Run Description Exp Interest amount RCV
156									Regulatory Deposit Type Group Code
157									Regulatory Deposit Type Code
158									Entity Country ID
159									Org Structure Entity Code
160									Calendar Date
161									Run Description
162									Exp Interest amount RCV

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

Figure 302: Business Metadata-2

1	Source Type	Aggregate	Materialised View	Dataset Code	Dataset Name	Selected Metadata	Selected Metadata Code
120	Dataset	Y	Y	DSRR002	DS - Management Reporting YTD Movement	Reporting Line Code	HRR004
121						Consolidation Code	HRR003
122						Entity Country ID	HRR006
123						Org Structure Entity Code	HRREG004
124						Calendar Date	HRREG001
125						Run Description	HRREG002
126						Branch BSR Code	HRR009
127						Movement RCY	MRR002
128	Dataset	Y	Y	DSRR003	DS - Management Reporting QTD Movement	Reporting Line	HRR203
129						Reporting Line Code	HRR004
130						Consolidation Code	HRR003
131						Entity Country ID	HRR006
132						Org Structure Entity Code	HRREG004
133						Calendar Date	HRREG001
134						Run Description	HRREG002
135						Movement RCY	MRR002
136						Consolidation Name	HRR010
137	Dataset	Y	Y	DSRR004	DS - Management Reporting MTD Movement	Branch BSR Code	HRR009
138						Reporting Line Code	HRR004
139						Consolidation Code	HRR003
140						Entity Country ID	HRR006
141						Org Structure Entity Code	HRREG004
142						Calendar Date	HRREG001
143						Run Description	HRREG002
144						Eop Balance RCY	MPR001
145						Movement RCY	MRR002
146						Branch BSR Code	HRR009
147	Dataset	Y	Y	DSRR005	DS - Reg Accounts YTD Metrics	Regulatory Deposit Type Group Code	HRR007
148						Regulatory Deposit Type Code	HRR004
149						Entity Country ID	HRR006
150						Org Structure Entity Code	HRREG004
151						Calendar Date	HRREG001
152						Run Description	HRREG002
153						Eop Interest amount RCY	MRR009
154	Dataset	Y	Y	DSRR006	DS - Reg Accounts YTD Metrics	Regulatory Deposit Type Group Code	HRR007

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

OFSAA Support

Raise a Service Request (SR) in [My Oracle Support \(MOS\)](#) for queries related to the OFSAA Applications.

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