

Oracle Financial Services

Balance Reconciliation



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PBSM Balance Reconciliation

The Profitability and Balance Sheet Management Cloud Service's Balance Reconciliation module helps you to Reconcile the selected processing/instrument/account balances against the Management Ledger. If any differences are found, you will have the flexibility to choose significant differences and create plug entries for those in the Ledger_Instruments table.



Note:

All General Ledger Accounts must mandatorily have a Reconciliation product mapped to them.

You can define the dummy attributes for the Product-Currency combinations, whichever General Ledger Account is used for Reconciliation. Default dummy attributes are auto populated based on the linked product ID and currency selected in Reconciliation dimensions.

Reconciliation is a three-step process.

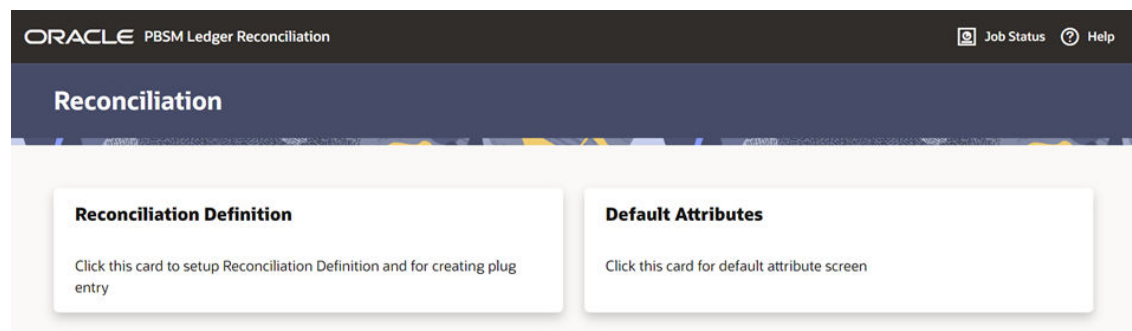
- Reconciliation Definition and Default Attributes setup
- Reconciliation Report verification
- Plug entry creation and writing the Reconciliation differences back to Ledger Instruments table

To access the Balance Reconciliation module, from the LHS Menu, navigate to **Data Management Tools**, and select **Balance Reconciliation**.

The Balance Reconciliation landing screen displays the following two cards:

- Reconciliation Definition
- Default Attributes

Figure 1-1 Reconciliation Landing Screen

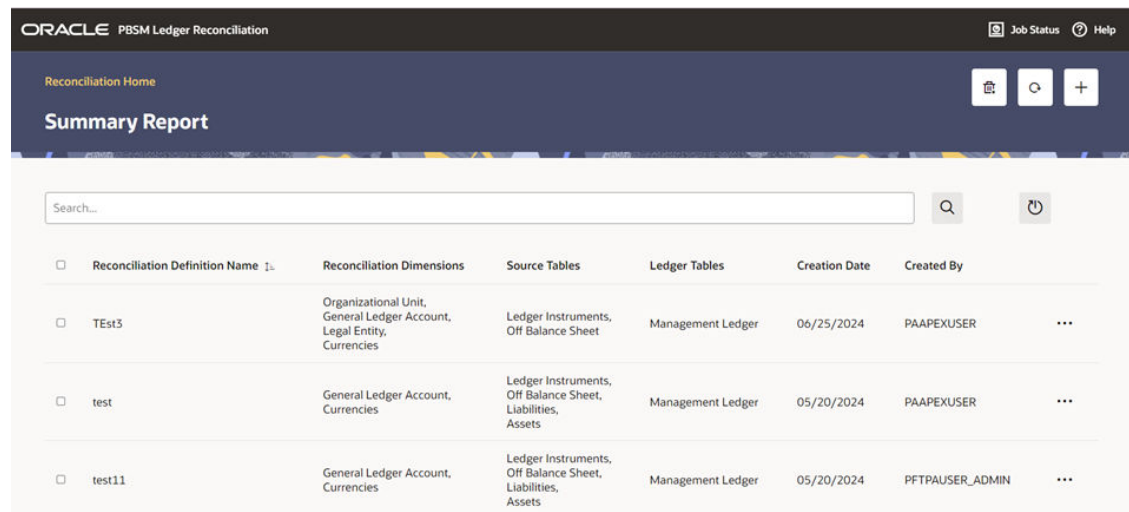


1.1 Reconciliation Definition

The Reconciliation Definition summary screen allows you to search for any definitions from the displayed list.

The Reconciliation Definition summary screen is as follows:

Figure 1-2 Reconciliation Definition Summary Screen



☐	Reconciliation Definition Name 1.	Reconciliation Dimensions	Source Tables	Ledger Tables	Creation Date	Created By	
☐	TEst3	Organizational Unit, General Ledger Account, Legal Entity, Currencies	Ledger Instruments, Off Balance Sheet	Management Ledger	06/25/2024	PAAPEXUSER	...
☐	test	General Ledger Account, Currencies	Ledger Instruments, Off Balance Sheet, Liabilities, Assets	Management Ledger	05/20/2024	PAAPEXUSER	...
☐	test11	General Ledger Account, Currencies	Ledger Instruments, Off Balance Sheet, Liabilities, Assets	Management Ledger	05/20/2024	PFTPUSER_ADMIN	...

This screen displays the following definition attributes for easy identification:

- Reconciliation Definition Name
- Reconciliation Dimensions across which reconciliation is performed
- Source Tables against which reconciliation is performed
- Ledger Tables
- Creation Date
- Created By
- Actions icon

1.1.1 Adding a New Reconciliation Definition

The Create Reconciliation screen allows you to define a new Reconciliation Definition.

To add a new Reconciliation Definition, click the **Add** button on the summary screen.

Figure 1-3 Create Reconciliation Definition Screen

Create Reconciliation Definition

Name Required

Description

Folder: COMMON Access Type: Read Reconcile Against: Entered Balance Required

Ledger Balance: Average Balance Required Instrument Balance: Average Book Balan Required

Source Tables: Assets, Liabilities, Off Balance Sheet Required Ledger Tables: Management Ledger, fsid_mgmt_ledger_recon, ledger_recon-ui_2 Required

Reconciliation Dimensions

Common Chart of Accounts
Legal Entity
Organizational Unit
Product

General Ledger Account
Currencies Required

Audit Panel

Id
1BB4738EE104898EE0635C1B000AAA53

Cancel Create

Reconciliation Definition set up allows you to choose for which Instrument Table, across which Dimensions and on which Balance Type (Cur Book Bal or Cur Par Bal); you would like to perform reconciliation. For example, you can choose to reconcile against just GL Account ID and Currency or do reconciliation at much granular level by selecting the Org Unit, Legal Entity along with GL Account ID and Currency.

While selecting reconciliation key dimensions, you have the option to choose from activated placeholder dimensions as well along with seeded key dimensions.

Similarly, there is a seeded FSI_D_MANAGEMENT_LEDGER table, which will be used by default for balance reconciliation against selected portfolio of accounts. In case, there are any activated placeholder management ledgers as well, those will also be available for selection and subsequently for balance reconciliation.

1.1.2 Reconciliation Balance

Management Ledger stores balance using Financial Elements, while corresponding Cur/Avg Balance can be picked directly from the dedicated columns in the Instrument Tables. So, you have an option to choose if you want to reconcile against 100 (ending balance)/140 (average balance). In the Management Ledger for FE 100, you can further select between CUR_BOOK_BAL/CUR_PAR_BAL from Instrument table. By Default, CUR_PAR_BAL would remain selected. You are allowed to create plug entries only when comparison is done against ending balance. For Average balance, you can only see the difference report but would not be allowed to create plug entries.

You can choose to reconcile in functional or local currency as per the selection made under 'Reconcile Against'; Functional or Entered Currency.

You can do the comparison only for Asset, Liability, or can include Ledger Instrument table also. At run time, the As-of-Date can be passed for which Balance Reconciliation will be performed.

1.1.3 Actions Performed on Reconciliation Definition

To delete one or multiple Reconciliation Definitions, you can select the checkboxes against each one of them and press the **Delete** button.

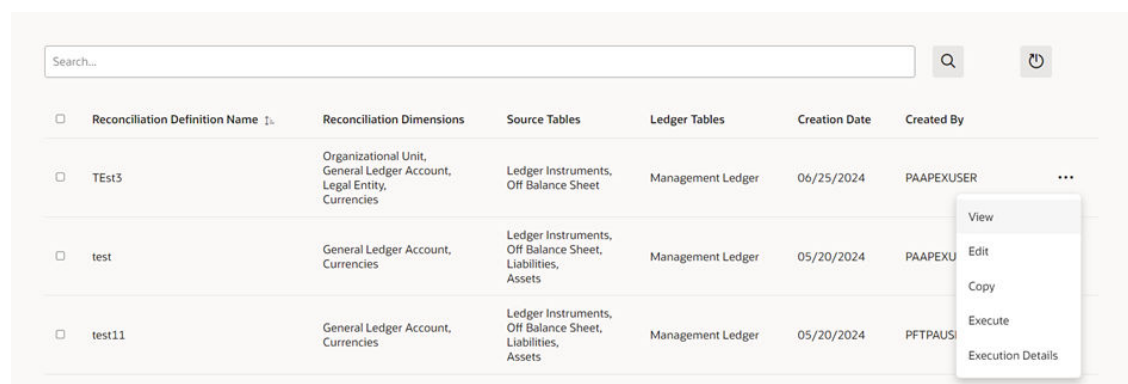
A confirmation message will let you confirm and delete selected definitions.

You can also perform search based on following fields:

- Name
- Reconciliation Dimensions
- Source tables against which reconciliation is performed
- Folder where the reconciliation definition is stored

The following screen display the **Actions** menu from which the different actions that you can perform on existing Reconciliation Definitions.

Figure 1-4 Actions Icon and Different Actions



☐	Reconciliation Definition Name 1.	Reconciliation Dimensions	Source Tables	Ledger Tables	Creation Date	Created By	
☐	TES3	Organizational Unit, General Ledger Account, Legal Entity, Currencies	Ledger Instruments, Off Balance Sheet	Management Ledger	06/25/2024	PAAPEXUSER	...
☐	test	General Ledger Account, Currencies	Ledger Instruments, Off Balance Sheet, Liabilities, Assets	Management Ledger	05/20/2024	PAAPEXU	View Edit Copy Execute Execution Details
☐	test11	General Ledger Account, Currencies	Ledger Instruments, Off Balance Sheet, Liabilities, Assets	Management Ledger	05/20/2024	PFTPAUS	

The following are the actions:

- **View:** Click this action button and view the definition in read only format.

- **Edit:** Click this action button and edit the definition.
- **Copy:** Click this action button and copy the definition to create another definition with similar parameters.
- **Execute:** Click this action button and perform the reconciliation as per the selected parameters.
As-of-Date is a run time parameter, you can choose for which date reconciliation needs to be performed. After clicking **Process**, the Reconciliation Difference Report will be generated as follows:

Figure 1-5 Reconciliation Report

Reconciliation Report

Name

TEST3

As Of Date

06/25/2014

Description

Folder

COMMON

Access Type

Read

Reconcile Against

Entered Balance

Ledger Balance

Ending Balance

Instrument Balance

Current Par Balance

Ledger Instruments, Off

Balance Sheet

Management Ledger

☐ Reconcile whole Balance Sheet

Reconciliation Dimensions

Organizational Unit, Legal Entity, Currencies, General Ledger Account

Audit

Comments

ID

1BB87C63A23674E2E0635C1B000A95D1

Code

1BB87C63A23674E2E0635C1B000A95D1

Created By

PAAPEXUSER

Created Date

06/25/2024

Modified By

PAAPEXUSER

Modified Date

06/25/2024

Authorized By

PAAPEXUSER

Authorized Date

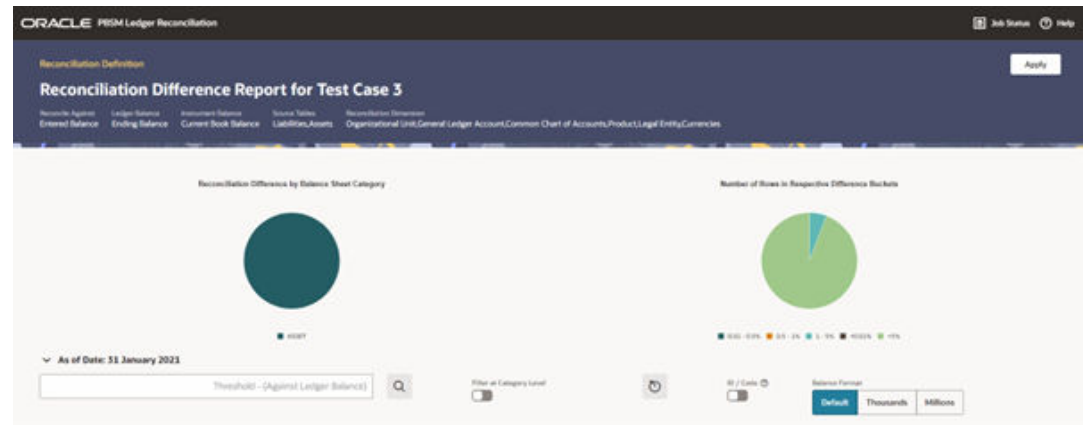
06/25/2024

Cancel

Process

Report starts with the summary across Balance Sheet categories and difference buckets pie charts, which can help you to get an idea about the reconciliation difference in a quick glimpse.

Figure 1-6 Reconciliation Difference Report



The detailed report is displayed as follows, where you can filter out insignificant difference using 'Threshold Percentage', also threshold can be applied at each row level or for whole Balance Sheet category level. If threshold is applied at Balance Sheet category level, all the rows that belong to the Balance Sheet category which is less than given percentage will be hidden from the Reconciliation Difference Report. A download button allows you to download the Reconciliation Report.

You can select **Filter at Category Level** toggle switch to apply threshold at 'consolidated difference reports', which is at balance sheet category level OR can directly apply the threshold to each difference row, which is available at the unique combination of selected key dimensions.

You can select the **ID / Code** toggle switch to see the CD data. By default, the toggle switch displays the ID data.

You can also change the unit of balance to thousands or millions.

You can see difference in both percentage and absolute format.

Figure 1-7 Differences in Percentage and Absolute Formats

Category :-							% Diff (Against Ledger Balance)			% Diff (Against Account Balance)	
ASSET							51.9302			108.0306	
Category	GL Account	Currency	Legal Entity	Org Unit	Common COA	Product	Ledger Balance (Default)	Account Balance (Default)	Reconciliation Difference (Default)	% Diff (Against Ledger Balance)	% Diff (Against Account Balance)
ASSET	Assets Ledger - 891	USD	NAB Sydney - 111	BENGALURU CITY BRANCH - 321	Off Balance Sheet - Payable - 1021	Vacation Loan - 1101	4,100,880.35	4,256,527.39	-155,647.04	3.7955	3.6570
ASSET	Assets Ledger - 891	SGD	NAB Sydney - 111	BENGALURU CITY BRANCH - 321	Off Balance Sheet - Receivable - 1022	Vacation Loan - 1101	4,120,880.35	2,780,468.90	1,340,411.45	32.5273	48.2080
ASSET	Assets Ledger - 891	USD	NAB Melbourne - 112	BENGALURU CITY BRANCH - 321	Off Balance Sheet - Receivable - 1022	Vacation Loan - 1101	3,858,995.78	5,971,756.48	-112,740.70	2.9215	2.8590
ASSET	Assets Ledger - 891	USD	NAB Melbourne - 112	MYSURU CITY BRANCH - 322	Off Balance Sheet - Receivable - 1022	Vacation Loan - 1101	9,094,056.04	2,316,604.22	-6,697,451.82	73.9718	284.1990
ASSET	Assets Ledger - 891	USD	NAB Sydney - 111	BENGALURU CITY BRANCH - 321	Off Balance Sheet - Payable - 1021	Vehicle Loan - 1102	1,730,029.92	2,063,900.96	1,726,128.96	46.2765	86.1580

As a next step to create the plug entries for filtered rows, you can click the **Apply** button in extreme right corner. Following a grid appears, along with default attributes fetched from default product attributes: if you like, you can update any of these attributes before plug entries are created for the selected difference records. You can use the **Edit** and **Save** button to edit the default product attributes like Amortization Type, Interest Rate Code, and

so on. You cannot edit any Code (CD) or VARCHAR attributes. Only attributes like Number, Rates, Dates, Term can be edited. All types of balances like Org balance, Current/Average balance are same as the reconciliation difference.

After you are convinced with the entered values for all the account attributes, you can click Apply. A job will be submitted and plug entries will be created in the FSI D Ledger Instruments table. To differentiate the plug entries from the customer real accounts, Data source CD will be used, with value 3, which signifies the 'Difference balance entries due to reconciliation performed between account and ledger'.

Figure 1-8 Differences in Percentage and Absolute Formats

As of Date: 31 January 2021 Apply

Q Search All Text Columns Go Actions Edit Save Print

		Company	GL Account	Currency	Legal Entity	Org Unit	Common-CDs	Product	Ledger Balance (Default)
☐	☐	ASSET	Assets Ledger - 891	SGD	NAB Melbourne - 112	MYSURU CITY BRANCH - ...	OF Balance Sheet - Payable - 1021	Vehicle Loan - 1102	9,136,223...
☐	☐	ASSET	Assets Ledger - 891	SGD	NAB Melbourne - 112	BENGALURU CITY BRANC...	OF Balance Sheet - Payable - 1021	Vacation Loan - 1102	5,098,574...
☐	☐	ASSET	Assets Ledger - 891	SGD	NAB Sydney - 111	MYSURU CITY BRANCH - ...	OF Balance Sheet - Receivable - 1022	Vacation Loan - 1101	1,287,589...
☐	☐	ASSET	Assets Ledger - 891	SGD	NAB Melbourne - 112	BENGALURU CITY BRANC...	OF Balance Sheet - Payable - 1021	Vehicle Loan - 1102	5,132,612...
☐	☐	ASSET	Assets Ledger - 891	USD	NAB Melbourne - 112	BENGALURU CITY BRANC...	OF Balance Sheet - Payable - 1021	Vehicle Loan - 1102	5,324,988...
☐	☐	ASSET	Assets Ledger - 891	SGD	NAB Melbourne - 112	MYSURU CITY BRANCH - ...	OF Balance Sheet - Payable - 1021	Vacation Loan - 1101	9,061,517...
☐	☐	ASSET	Assets Ledger - 891	SGD	NAB Melbourne - 112	BENGALURU CITY BRANC...	OF Balance Sheet - Receivable - 1022	Vacation Loan - 1101	9,011,501...
☐	☐	ASSET	Assets Ledger - 891	USD	NAB Sydney - 111	BENGALURU CITY BRANC...	OF Balance Sheet - Payable - 1021	Vacation Loan - 1101	4,100,880...

- **Execution Details:** You can click this action button and view all the runs for a selected definition, along with the user information who has triggered the execution.

Figure 1-9 Exeution Details

Execution Details ×

Reconciliation Definition
1A9751DA45768288E0653114000A513B

Workspace Id	Object Id	Execution Mode	As Of Date	Execution Status	Executed By	Executed Date
19F8AC52E6928E00E0653114000A800E	1A9751DA45768288E0653114000A513B	Append	06/25/2014	Success	PFTPAUSER	06/27/2024
19F8AC52E6928E00E0653114000A800E	1A9751DA45768288E0653114000A513B	Append	01/31/2021	Success	PFTPAUSER	06/26/2024
19F8AC52E6928E00E0653114000A800E	1A9751DA45768288E0653114000A513B	Append	01/31/2021	Success	PFTPAUSER	06/12/2024

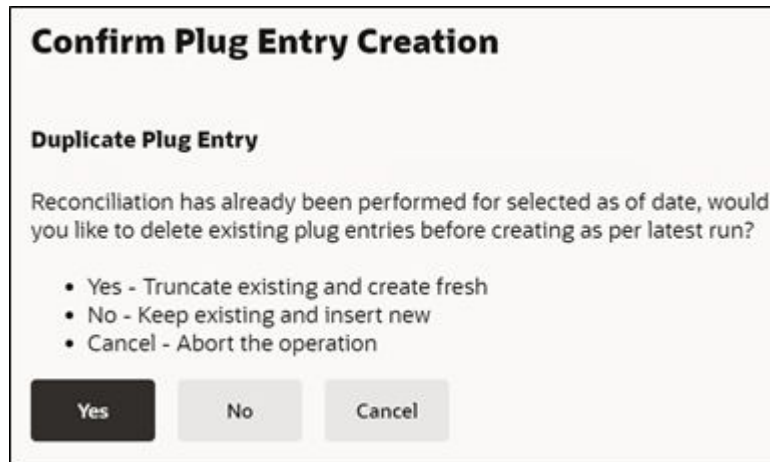
1.2 Duplicate Runs for Same As-of-Date

If for a particular As-of-Date plug entries are already created, you have an option to cancel the latest run and exit without creating any plug entries.

You can append to existing entries for same As-of-Date. This case is possible if different reconciliation definitions are being executed for different instrument tables.

You can delete all the existing plug entries for concerned As-of-Date and create all fresh entries. This case is possible if the intermediate day runs took place locally and finally at night a global run took place.

Figure 1-10 Confirm Plug Entry Creation



Confirm Plug Entry Creation

Duplicate Plug Entry

Reconciliation has already been performed for selected as of date, would you like to delete existing plug entries before creating as per latest run?

- Yes - Truncate existing and create fresh
- No - Keep existing and insert new
- Cancel - Abort the operation

Yes No Cancel

1.3 Historical Difference Report

You can open the Reconciliation Definition in **View** mode and get the Historical Difference Report using the **View Report** button.

Figure 1-11 View Reconciliation Report

View Reconciliation Definition

Name

Test Case 3

Required

Description

Test Case 3

Folder

COMMON

Access Type

Read/Write

Reconcile Against

Entered Balance

Required

Ledger Balance

Ending Balance

Instrument Balance

Current Book Balance

Liabilities, Assets

Subledger

Management Ledger

Ending Balance

Required

Required

Reconciliation Dimensions

Product, Organizational Unit, Legal Entity, Common Chart of Accounts, Currencies, General Ledger Account

Audit

Comments

ID

1A9751DA45768288E0633114000A513B

Code

1A9751DA45768288E0633114000A513B

Created By

PFTPUSER

Created Date

06/11/2024

Modified By

Modified Date

Authorized By

Authorized Date

PFTPUSER

06/11/2024

PFTPUSER

06/11/2024

Cancel

View Report

Here you can give a historical period by selecting the **From Date**, **To Date** and fetch all the reconciliation difference records along with the user comments to get the justification for plug entries creation.

Figure 1-12 Historical Differences Report for FUNCT

Reconciliation Definition

Historical Differences Report for Test Case 3

Reconcile Against: Entered Balance | Ledger Balance: Ending Balance | Instrument Balance: Cur Book Bal | Source Tables: Liabilities/Assets | Reconciliation Dimension: Organizational Unit, General Ledger Account, Common Chart of Accounts, Product, Legal Entity, Currencies

From Date: 01/01/2021 | To Date: 02/28/2021

Search: All Text Columns | Go | Actions

As Of Date	GL Account	Currency	Legal Entity	Org Unit	Common COA	Product	Total Ledger Balance	Total Account For Balance	Total Account Book Balance	Reconciliation Diff
01/31/2021	891	USD	112	322	1021	1102	13,273,197.07	2,328,107.26	2,328,107.26	10,945,089.81
01/31/2021	891	USD	111	321	1022	1101	3,198,995.78	2,133,434.98	2,133,434.98	1,065,560.80
01/31/2021	891	SGD	111	322	1022	1102	6,687,589.18	4,104,974.17	4,104,974.17	2,582,615.01
01/31/2021	891	USD	112	321	1022	1101	3,858,995.78	3,971,736.48	3,971,736.48	-112,740.70
01/31/2021	891	SGD	111	321	1022	1101	4,120,880.35	2,780,468.90	2,780,468.90	1,340,411.45

Total 5

1.4 Default Attributes

The following is the Default Attribute Summary screen, where you can find all the default attributes defined for various Product-Currency combinations.

You can select one or multiple Product-Currency combinations and delete at once, by clicking the **Delete** button.

Figure 1-13 Default Attributes Summary

Reconciliation Name

Default Attributes Summary

Search:

Product Name	Currency	Status
Default Member (1-1)	AND	Complete
Default Member (1-1)	ALL SGD	Complete

You can view/edit/copy an existing default attribute using respective button in the Actions icon as follows.

Figure 1-14 Default Attributes Summary – Actions Column

Reconciliation Name

Default Attributes Summary

Search:

Product Name	Currency	Status	Actions
Default Member (1-1)	AND	Complete	View, Edit, Copy
Default Member (1-1)	ALL SGD	Complete	

1.4.1 Creating a New Product-Currency Combination and Default Attributes

To create a new Product-Currency combination and default attributes for that. You can click the **Add** button, and a slide in pop-up will appear with three tabs:

Figure 1-15 Default Attribute Tree Selection

Default Attribute Tree Selection

Folder: COMMON Product Hierarchy: Product Hierarchy

Product Selection
(No product selections have been made yet. Make a product selection and click the button "Add Selection" from the menu or click the Next button after selecting a branch)

Filter Tree By Product

- ALL PRODUCT - 9548
 - ASSETS - 95481
 - OD - 9548120
 - CUST_OD - 95481200
 - OD_Company Account Class - 154820003
 - OD_Corporate Cardholder Account Class - 154820005
 - NOSTRO_OD - 95481240
 - Nostro Account Class - 154811050
 - Personal Loan - 9548130
 - CORP_LOAN - 95481300
 - Fixed Rate Mortgage - 154830001
 - Corporate Term Loan - 154830012
 - Corporate Revolving Term Loan - 154830025
 - RFTBL - 95481307

Cancel Reset Next

Core Product Attributes Tab: Here you can select one or multiple products and one or multiple currencies and start defining core product attributes as follows:

- Amortization Type
- Adjustable Type
- Interest Rate Code
- Net Interest Rate
- Original Term
- Original Term Type

Figure 1-16 Core Product Attributes

Click **Apply** and move to the Payment Attributes tab.

Payment Attributes Tab: To Define payment attributes, you can select this tab and start filling the following details:

- Payment Frequency
- Payment Frequency Type
- Accrual Basis
- Interest Type
- Compounding Basis
- Payment Amount
- Remaining Number of Payments

Figure 1-17 Payment Attributes

Click **Apply** and move to the Adjustable-Rate Attributes tab, which is applicable only for adjustable rate instruments:

Adjustable-Rate Attributes Tab: Here you can define following attributes:

- Repricing Frequency
- Repricing Frequency Type
- Rate Change Rounding Type
- Net Margin

Click **Apply** and then click **Save**. The Default Product Attribute for the selected Product-Currency combination is saved.

Figure 1-18 Adjustable-Rate Attributes

The screenshot shows a web application window titled "Default Attribute Details". It has a tabbed interface with three tabs: "Core Product Attributes", "Payment Attributes", and "Adjustable-Rate Attributes". The "Adjustable-Rate Attributes" tab is selected. On the left, there is a "Currency Code" section with two dropdowns: "Euro - EUR" and "Australian Dollar - AUD". Below this is a "Product Hierarchy" section with a "Product Hierarchy" dropdown. Further down is a "Production Selections" section with a text field containing "NOSTRO_OD - 954B1240". The main area is titled "Adjustable-Rate Attributes" and contains four input fields: "Repricing Frequency", "Repricing Frequency Type", "Rate Change Rounding Type", and "Net Margin". An "Apply" button is located to the right of these fields. At the bottom right of the window are "Close", "Reset", and "Save" buttons.

1.5 Reconciliation using Batch Process

You can do Reconciliation using the Scheduler Services.

To run the Reconciliation using Batch Process, follow these steps:

1. With the Define Batch feature, it is possible to create new batches and review existing ones.
2. Click **+** to create a new batch.
3. In the **Create Batch** screen, enter the following values:
 - a. Code (spaces are not allowed in the code section).
 - b. Batch Name
 - c. Select the Service URL name as **RUN_CMD_SERVICE**.
 - d. Click **Save**.
4. In the **Define Task** screen, you can define the tasks related to a specific batch.
 - a. Navigate to Define Task.
 - b. Select the name of the batch that has been created for this task.
5. Click **+** to create a new task.

6. In the **Create Task** screen, enter the following values:
 - a. Task Code (Spaces are not allowed in the code section).
 - b. Task Name.
 - c. Select the task type as **REST**.
 - d. Select the component as **RUNCMD**.
 - e. Select Batch Service URL as **RUN_CMD_SERVICE**.
 - f. Click **Save**.
7. In the **Task Parameter** section, enter the following values:
 - a. Select the Code as **RUN CMD RECONCILIATION**.
 - b. Select the Execution Venue as **NATIVE**.
 - c. Select the Optional Parameter as **THRESHOLD_OBJECTCODE_OPTION** format.
 - d. Select the IP as **localhost**.

The allowed values for the Option are either 0 or 1.

- **0**: Truncate all existing data for concerned AS_OF_DATE/MIS_DATE for which reconciliation batch is getting executed and insert new data.
- **1**: Append data on top of existing data for concerned AS_OF_DATE/MIS_DATE to ledger instrument and reconciliation difference Audit table (Table to retain comments for each plug entry).

Threshold values must be greater than or equal to zero (0), negative values are not supported. Threshold values should be expressed as "threshold >= 0" The threshold will accommodate null values, allowing all data to be inserted into the ledger instrument and reconciliation difference audit tables.

When a threshold is applied, plug entries will be created only for filtered data into the ledger instrument and reconciliation difference audit tables.

 Note:

Select the appropriate object code/reconciliation definition to avoid errors in the batch process.

The optional values should be passed in the following format:
"THRESHOLD_OBJECTCODE_OPTION"

Example 1: "_F405734331FD795BE053D71A000AD329_0"

(Threshold is null, and object code is: F405734331FD795BE053D71A000AD329, option value is 0)

Example1: 12_F405734331FD795BE053D71A000AD329_1

(Threshold is 12, and object code is: F405734331FD795BE053D71A000AD329, option value is 1)

8. Schedule the batch using the **Schedule Batch** screen.
Select the **Name** of the batch that has been created.

You can use the **Edit Parameters** option to review the batch parameters and make any necessary changes to initializing the batch process.

9. The following tasks should be performed in a manner similar to what was outlined in point number 7.
 - a. The **MIS Date** is used as the **As of Date** in the Reconciliation UI. Select the appropriate **MIS Date**.
 - b. The values in point 6 are the default values for a specific environment.
 - c. After completing the changes, click **Execute** or **Save**.
 - i. By clicking **Save**, the definition of the batch will be saved, however, the batch will not be executed.
 - ii. By clicking **Execute**, the batch will be executed.

After the batch is executed, an **Execute Status** dialog is displayed, providing information about the executed batch.

After the batch is executed, the information about the executed batch will be available in the **Monitor Batch** screen. Select the following options and check the Batch Status.

Sometimes, a batch may fail. The reason for the batch failure could be as follows:

- Entering an incorrect object code.
- Entering an incorrect option value. Only values of 0 or 1 are supported.
- Entering an incorrect threshold value. Only null or a value ≥ 0 are supported.



Note:

Following roles mapping to the SKU User group should be present to enable RUNCMD listing and execution.

- RCMDREAD
- RCMDADVND

For detailed instructions for defining, executing, and monitoring a Batch, see the [Scheduler Service](#) documentation.