Oracle Financial Services

Non Maturity Data Creation Process

Release 25A
G33757-01
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Oracle Financial Services Non Maturity Data Creation Process, Release 25A

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Contents

1 Get Help

Topics:

1.1 Get Help in the Applications

Use Help icons to access help in the application.

Note that not all pages have Help icons. You can also access the Oracle Help Center to find guides and videos.

Additional Resources

- Community: Use Oracle Cloud Customer Connect to get information from experts at Oracle, the Partner Community, and other users.
- Training: Take courses on Oracle Cloud from Oracle University.

1.2 Learn About Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program. Videos included in this guide are provided as a media alternative for text-based topics also available in this guide.

1.3 Get Support

You can get support at My Oracle Support.

For accessible support, visit Oracle Accessibility Learning and Support.

1.4 Get Training

Increase your knowledge of Oracle Cloud by taking courses at Oracle University.

1.5 Join Our Community

Use Cloud Customer Connect to get information from industry experts at Oracle and in the Partner Community. You can join forums to connect with other customers, post questions, and watch events.

1.6 Share Your Feedback

We welcome your feedback about Oracle Applications User Assistance. If you need clarification, find an error, or just want to tell us what you found helpful, we did like to hear from you.

You can email your feedback to My Oracle Support.

Thanks for helping us improve our User Assistance!

1.7 Before You Begin

Refer to following Documents:

- See What's New

2 Non-Maturity Products Data Creation Process

Non-Maturity Modeling is comprised of three type of models:

- Core/Volatile Balance segregation
- Decay Rate and corresponding weighted average life Calculation
- Beta Factor or Pass-through Rate Calculations

For these calculations, the following portfolio Level Attributes are required:

- Instruments in Scope are: CASA, Credit Cards, or any other product for which contractual Maturity is not defined.
- Account Origination Date (To Calculate Vintage/account age)
- Deposit Rate or Bank Rate – CUR_NET_RATE
- Underlying Index (Market Rate) or Reference Rate
- Number of Accounts per Origination Date Bucket
- Portfolio Balance snapped at regular intervals for a given historical period. (CUR_PAR_BAL from each account)

The Data Creation Process allows you to perform the following tasks:

- Defining the portfolio and corresponding historical period over which data needs to be generated. Select any number of products from the selected hierarchy and one or multiple currencies to define a portfolio.
- Hierarchy can be defined on any of the product dimensions like Chart of Account, General Ledger accounts or Product IDs. System is built in such a way that it can display hierarchies based on selected product dimension in Application Preferences
- Process Train is given at each page, so you can keep track of how many stages are defined and how many are yet to be defined.
- Specify the Market Rate Definition and other Process Parameters Like yield curve term and interest rate curve effective date
- Review the entered details and all the process parameters.
- Execute the Data Creation process and generate results.
  - Data Generated by Batch UI using following tables:
    `FSI_AUDIT_NM_LOAD_BATCH`

    `FSI_O_HIST_NM_MODEL_DETAILS`

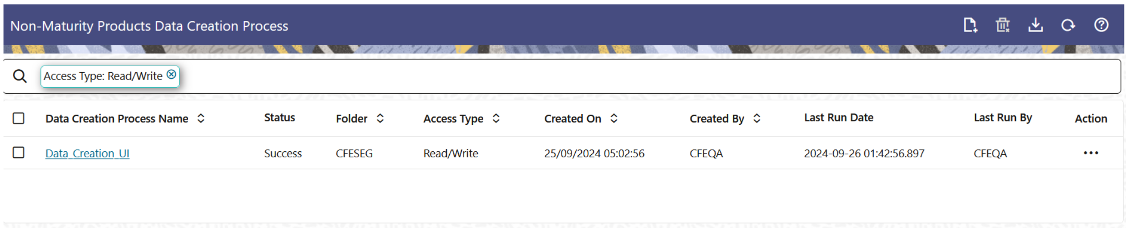
    `FSI_O_IRC_RATE_NM_MODEL`
  - Metadata tables used for NMD Model UI
    `FSI_M_NM_BATCH_LOAD_DEF`

    `FSI_M_NM_BATCH_PROCESS_PARAM`

Data Creation Process Summary

This page is the gateway to all Data Creation processes and related functionality. You can navigate to other pages relating to Data Creation processes from this point.

Figure 2-1 Data Creation Process Summary Page



Search Data Creation Process

Prerequisites: Predefined Data Creation Process

To search for a Data Creation Process, follow these steps:

Click **Search** after entering the search criteria. The search results are displayed in a table containing all the Data Creation Processes that meet the search criteria.

Or

The other method to search a Data Creation Process is using the **Field Search** option. The Field Search is an inline wildcard UI search that allows you to enter value partially or fully and the rows that match the entered string in any of its column is fetched in the Summary table. Enter the **Name, Status, Folder,** or **Access Type** status of the Data Creation Process and click **Search**.

The Data Creation Process summary table displays the following columns:

- **Data Creation Process Name:** Name of the Data Creation Process's short name.
- **Status:** Status of the Data Creation Process.
- **Folder:** The folder where the Data Creation process is saved.
- **Access Type:** The access type of the rule. It can be Read-Only or Read/Write.
- **Created On:** The Date and Time when the Data Creation process was created.
- **Created By:** The user who created the Data Creation process.
- **Last Run By:** The user who last run the Data Creation process.
- **Last Run Date:** The Date and Time when the Data Creation process was last modified.
- **Action:** Click this icon to view a list of actions that you can perform on the Data Creation process.
  - **Add:** Click the Add icon on the page header to build a new Data Creation process.
  - **Multiple Delete:** Enables you to select and delete one or multiple rules in the table simultaneously.
  - **View/Edit:** Based on the user privilege assigned, you can either only view or edit existing Data Creation processes. To edit a rule, you must have Read/Write privilege.

- **Save As:** You can reuse a Data Creation process by saving it under a new name thus saving time and effort in entering data multiple times; it also leads to reduced data entry errors.
- **Delete:** You can delete Data Creation processes that you no longer require. Note that only Data Creation process owners and those with Read/Write privileges can delete Data Creation processes. A Data Creation process that has a dependency cannot be deleted. A rule cannot be retrieved after deletion.
- **Execute:** Select Execute to execute an existing Data Creation process. After clicking Execute, the **Execute window** is displayed. Select **As of Date (Execution Date)**, and then click **Submit**.
- **View Execute Details:** Select Execute Details to view execution details of the Data Creation process. Click **Execution ID** link to view detailed information of process execution.

Also See:

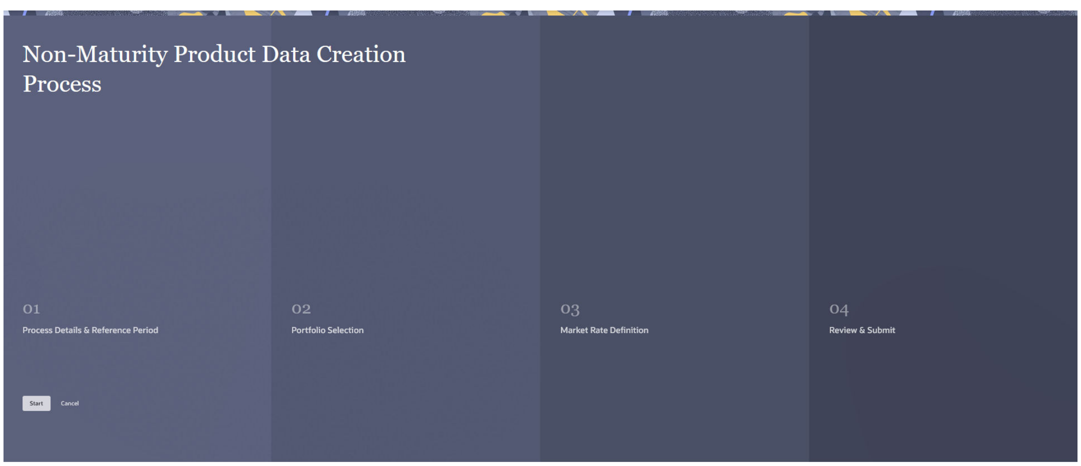
- Create Data Creation process
- Execute Data Creation process

2.1 Creating Data Creation Process

To create a new Data Creation process, perform the following steps:

1. Navigate to the Data Creation Process Summary page.
2. Click **Add**. The **Create Data Creation Process** page is displayed.

Figure 2-2 Create Data Creation Process

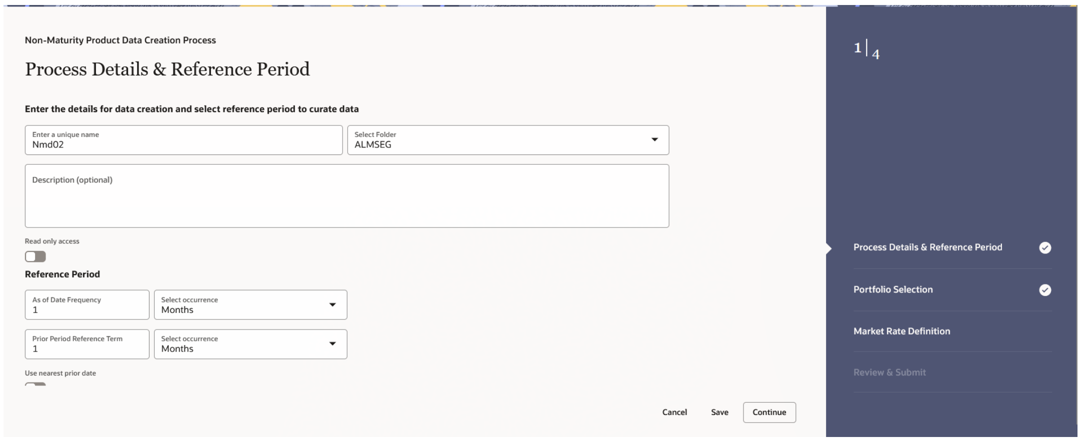


3. Follow the steps mentioned in below sections:
   a. Process Details and Reference Period
   b. Portfolio Selection
   c. Market Rate Definition
   d. Review and Submit
4. Click **Submit/Save** after entering all details in above sections.

Step 1: Process Details and Reference Period

1. From **Non Maturity Data Creation Process** tab, click **Start**. The **Process Details and Reference Period** page is displayed.

Figure 2-3 Process Details and Reference Period

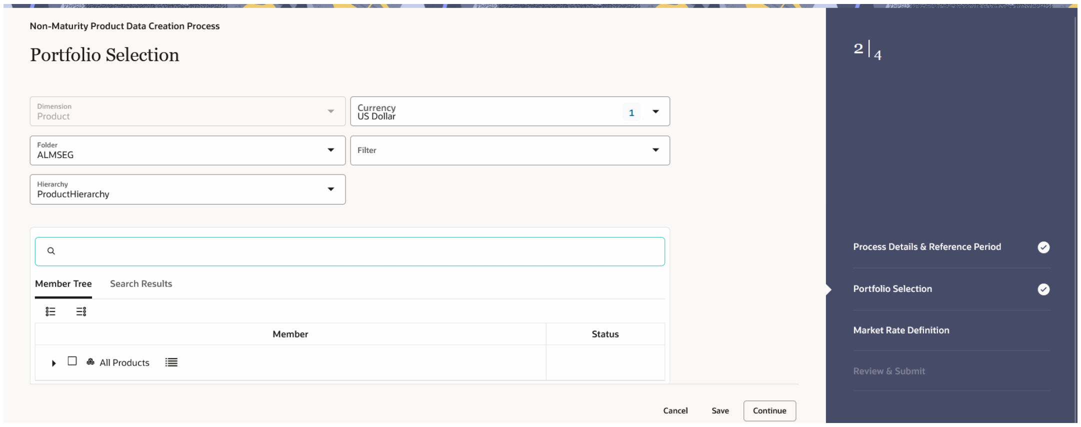


2. Enter the following details:
   - **Name:** Name of Process. The Data Creation Process Name should be unique. Any special characters are not applicable.
   - **Folder:** Folder Name where you want to save the process.
   - **Description:** Description of Process. The maximum limit of this field is 300 characters. You can enter special characters in this field.
   - **As of Date Frequency:** The Default value of this field is 1 month. **As of Date Frequency** is provided to select any value in days, months, or years. Starting from Prior Period date, the data snaps will be taken at defined snap frequency till As of Date. For each date, EOD balance (CUR_PAR_BAL) for the account on Data Snap Date, Account Origination Date (which will be required to calculate account age/ vintage at each Data Snap Date), and Deposit Rate (CUR_NET_RATE) will be captured, along with market rate as per the index selected.
   - **Prior Period Reference Term:** The Default value of this field is 1 year. As per the prior period reference term, the prior period date is auto calculated.
3. Click **Continue**.

Step 2: Portfolio Selection

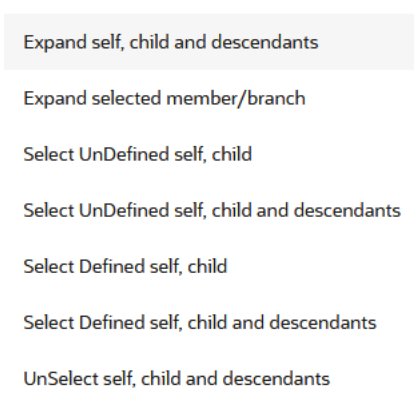
1. Navigate to the **Portfolio Selection** section. The **Portfolio Selection** window is displayed to set Portfolio.

Figure 2-4 Portfolio Selection



2. Enter the following details:
   - **Dimension:**Select the Dimension.
   - **Currency:** Select the Currency. The Currency drop-down displays the list of active currencies.
   - **Folder:** Select the Folder from which you want to pick the Hierarchy.
   - **Filter:** Select the Filter.
   - **Hierarchy:** You can specify some processing parameters at product-currency combination. Hierarchies in selected Folder will be listed and you can select one from the available list of hierarchies.
   - Select **Product(s)** from Member Tree of Assumption Browser. The Assumption Browser has following two tabs: Member Tree and Search Results
     – **Member Tree:** Member Tree tab shows the hierarchical structure and allows you to define rules by selecting the node members from the browser. Select Node and Click Menu icon next to it to view the available options.

       Figure 2-5 Member Tree

       Status of node is also displayed in Member Tree section, for example Selected, and so on. To select member hierarchy, following options are available:

       * **Expand self, child and descendants:** Allows to expand the selected node itself along with its child and descendants.

  * **Expand selected member/branch:** Allows to expand the selected node
  * **Select UnSelect self, child:** Allows to unselect the selected node itself along with its child
  * **Select UnSelect self, child and descendants:** Allows to unselect the selected node itself along with its child and descendants.
  * **Select Defined self, child:** Allows to select the selected node itself along with its child.
  * **Select Defined self, child and descendants:** Allows to select the selected node itself along with its child and descendants.
  * **UnSelect self, child and descendants:** Allows to unselect the selected node itself along with its child and descendants.

  Use **Show Numeric Code Values (Left)** icon to view the code value left to the Node name.

  Use **Show Numeric Code Values (Right)** icon to view the code value right to the Node name.

  Here, you can perform the following tasks on the selected node(s):

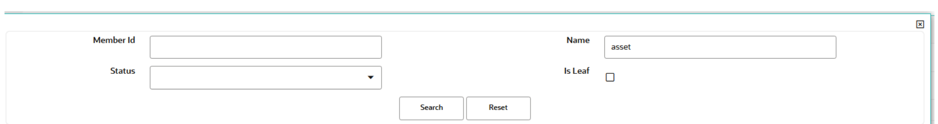
  * Add
  * Edit
  * View
  * Delete
  * Copy

– **Search Results:** You can also search the members based on the filters. This section shows the searched node(s). To search a member, follow these steps:

  a. Navigate to **Assumption Browser** section of the Rule Definition page.

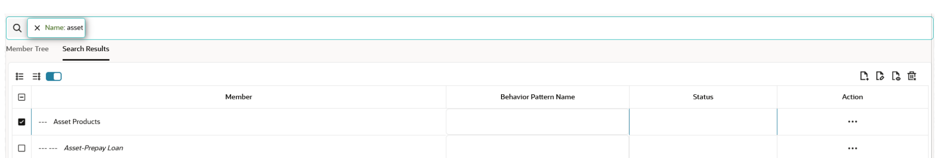
  b. Enter the Member ID, Name, Status, or Is Leaf in Search Criteria.

Figure 2-6 Search Criteria



  c. Click **Search**. The searched member(s) will be displayed in **Search Results** section of **Assumption Browser**

Figure 2-7 Searching Members



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Here, you can perform the following tasks on the searched node(s):

* Add
* Edit
* View
* Delete
* Copy

Click **Show Parentage icon** to view the Parent-child Node level hierarchy details of selected Node.

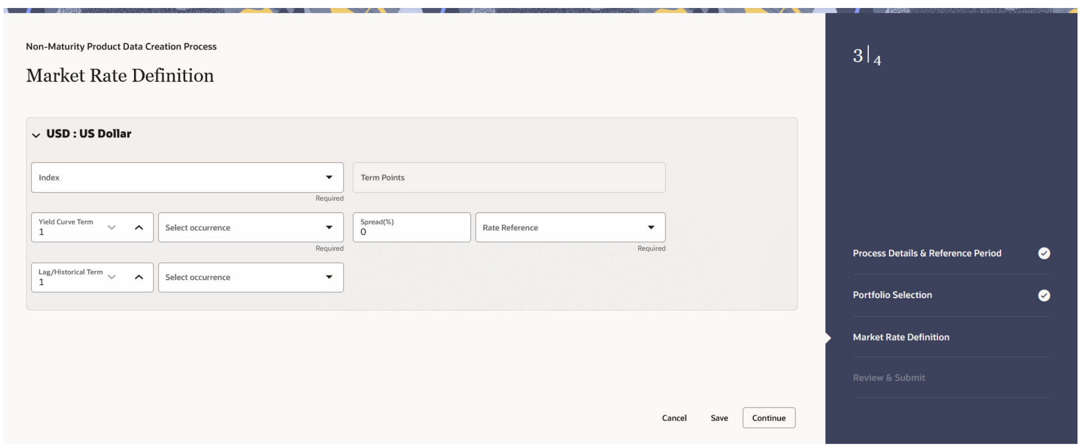
Use **Show Numeric Code Values (Left)** icon to view the code value left to the Node name.

Use **Show Numeric Code Values (Right)** icon to view the code value right to the Node name.

Step 3: Market Rate Definition

1. Navigate to the **Market Rate Definition** section. The **Market Rate Definition** window is displayed to define Market Rates.

Figure 2-8 Market Rate Definition



2. Enter the following details:
   - **Index:** As per the selected currency from the drop-down, all the interest rate curves defined will be given for selection.
   - **Term Points:** Shows the term points.
   - **Yield Curve Term:** As per the selected interest rate curve, you can select one term point. Rate corresponding to the selected term point will be picked. For intermediate term points, interpolation is done.
   - **Spread:** Default value is 0. This field accepts all positive, negative integers/decimals (in the range of -100% to +100%). You can enter the spread in percentage format. Enter the spread in percentage on top of rate picked from selected IRC and term point.
   - **Rate Reference**: Rates will be picked based on the following options:
     – **As of Date:** Effective Date is same as As of Date
     – **As of Date with Lag:** Effective date is As of Date minus some lag. If you select Rate on (As of Date- Lag), then Lag Term field will be enabled to enter term and tenor.

– **Average of Historical Term :** The effective date is not a single date but a period starting from the As of Date, during which an arithmetic average is calculated to smooth out any interest rate fluctuations. If you select **Average of Historical Term** (As of Date), the Historical Term field will be enabled for you to input the term and tenor.

- **Lag/Historical Term:** Refers to the period used for calculating averages or trends in data.

Step 4: Review and Submit

1. Navigate to **Preview and Submit** section. Review the process details.
2. Click **Submit** to create the Data Creation process. The created process will be displayed on **Non Maturity Data Creation Process Summary** page.

2.2 Executing Data Creation Process

The **Execute** option allows you to run the Data Creation Request and create data as for the selected portfolio.

Prerequisites

Predefined Data Creation Process

Procedure

Following two approaches are available to execute the process:

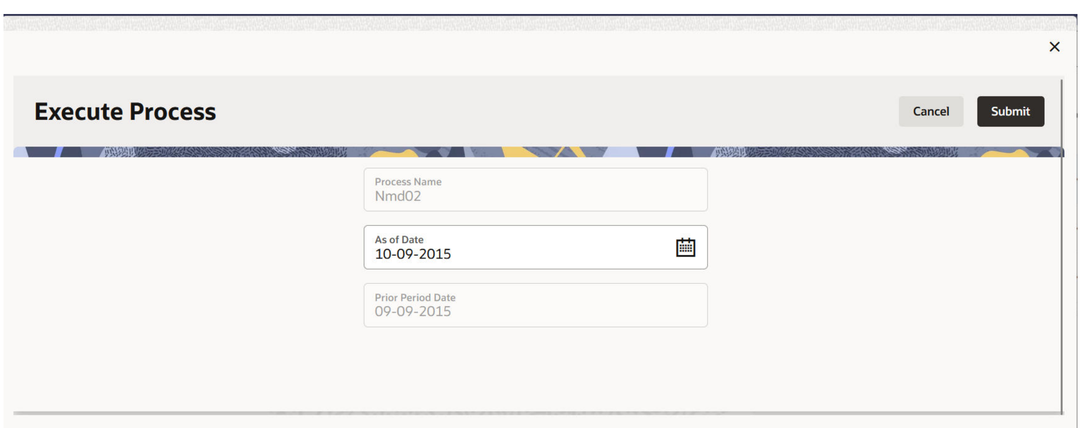
- UI Based Procedure
- Batch Based Procedure

2.2.1 UI Based Procedure

To execute the Data Creation Process, follow these steps:

1. Navigate to the **Data Creation Process** Summary Page.
2. Search for a Data Creation process Rule.
3. Click the **Action** column and select **Execute** to execute an existing Data Creation Process.

Figure 2-9 Execute Data Creation Process



4. Select **As of Date** and click **Submit**.
5. The Data Creation Process Run Confirmation Page is displayed. The status of the process is displayed in the Status column.
   After completion of the process, you can navigate to the **Execution Details** Page by selecting the view log option. From the Execution Details, you can access a report that provides details of any processing errors that were encountered while running the data creation process.

2.2.2 Batch Based Procedure

To execute the batch with Scheduler, follow these steps:

1. From the LHS menu, select **Operations and Processes**, select **Scheduler**, and then select **Define Batch**.
2. Define a new batch.
3. Enter the Batch Name and Description, and then save the batch.
4. To add a task, navigate to **Define Task**.
5. Select the Batch from **Batch** drop-down list on **Define Task** window.
6. Click the **Add** button.
7. Define the task with below details:
   - **Components:** Non Maturity Model Data
   - **Process Name:** Select the Data Creation Process Name from drop-down.
8. Save the rule and **Execute**.

For more information, see the Scheduler Service.