Oracle Financial Services

Execution History User Guide

Release 23.03.01
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Oracle Financial Services Execution History User Guide, Release 23.03.01

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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.

1.1.1 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, and are also available in this guide.

1.3 Get Support

You can get support at My Oracle Support.

For accessibility 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 would 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

See the following Documents:

- See What's New
- Getting Started with Profitability Management Cloud Service

2
Execution History

The Execution History screen displays the historical executions of Allocation Rules/Models and Management Ledger loads. The screen has two tabs – Allocation Execution History and Ledger Load History- to serve the purpose applicable to the two historical views.

The Allocation Execution History enables the user to view the rule definition and the inline reports at the time when an Allocation Rule was executed, and Undo the results of previously executed Allocation Rule.

The Ledger Load History enables the user to Undo the results of a Management Ledger Table load.

2.1 Allocation Execution History

Allocation Execution History allows you to review the runtime history of any Allocation Rule. You may see the order in which Allocation Rules are completed, you may Undo the results generated by any Allocation Rule, and you may drill into the details of individual allocation executions to audit what a rule did at the time that it ran.

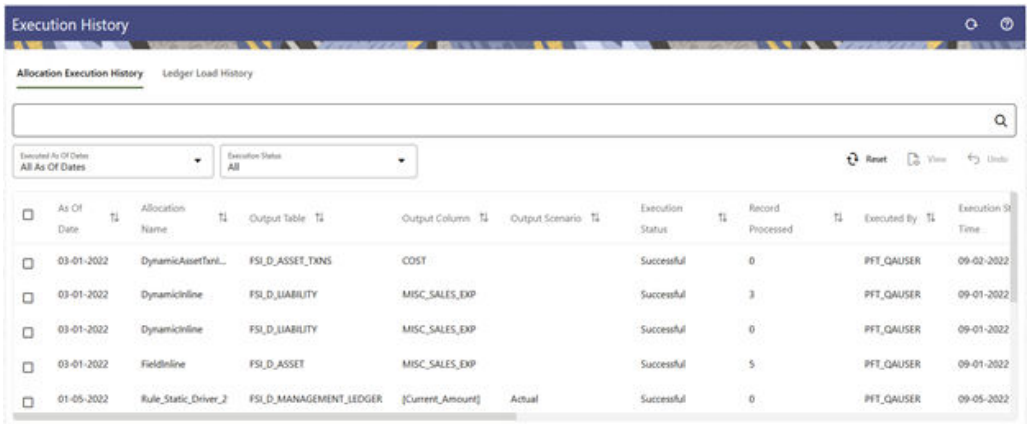
The Allocation Execution History screen presents a table that lists a series of allocation runs sorted by As-of-Date and by Execution End Time. You may sort on any column you choose by clicking on the column header upward/downward arrows, but the results are sorted first by As-of-Date and second by the column you have chosen.

2.2 Navigation in Allocation Execution History

When you first enter the Allocation Execution History screen, your results are shown for all As-of-Date values for which an allocation was run with the Executed As of Dates displaying value “All As of Dates”. You may select a different As-of-Date from a drop-down list as required.

With the ‘All As of Dates’ selected, the Allocation Execution History Table displays the Allocation Names sorted in descending order based on the As-of-Date and the Execution End Time.

Figure 2-1 Allocation Execution History Screen

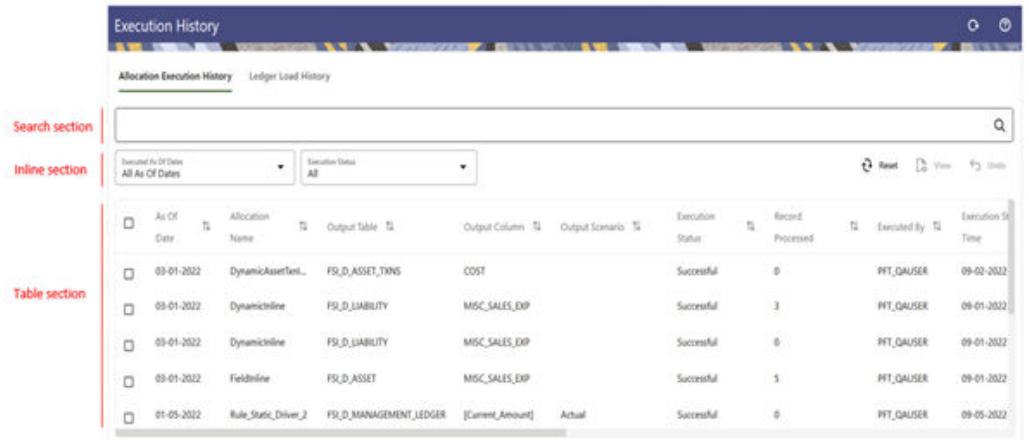


The title bar of the Screen displays several actions for the user. They are:

- **Refresh**: Click Refresh to refresh the Allocation Execution History Page.
- **Help**: Click Help to view the Allocation Execution History Help Page.

The Allocation Execution History screen is divided in to three sections – the Search section, the Inline section, and the Table section.

Figure 2-2 Allocation Execution History – Sections



2.2.1 Search Section

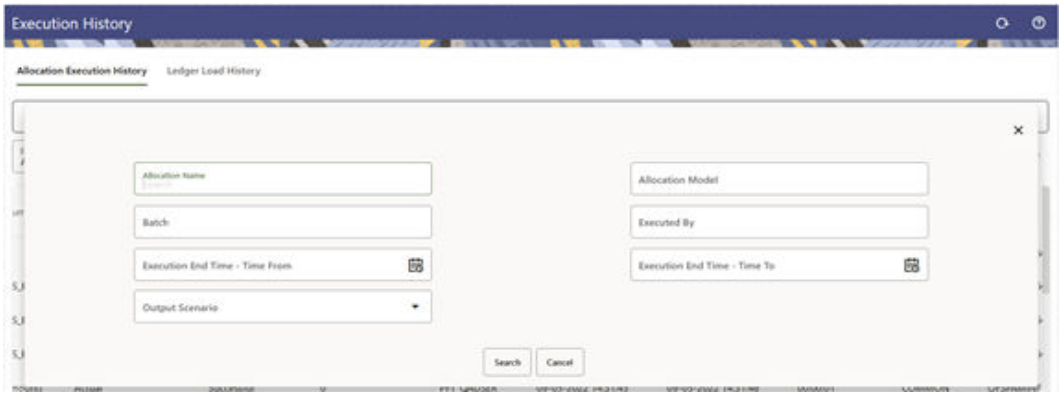
The Search pane is used to specify the search criteria that will reduce the number of rule executions that gets displayed in the Allocation Execution History table.

To search the Allocation Rules, perform the following steps:

1. Click the **Search** icon on the Search Pane to display the Criteria Window.
2. Enter the **Allocation Rule Name**, **Allocation Model Name**, **Batch**, **Executed By**, **Execution End Time**, or the **Output Scenario** and click **Search** to display the Allocation Rules that match the criteria.

3. Click **Cancel** to remove the filter criteria on the Search Window and refresh the Window.
4. Click **Search** after entering the Search Criteria.

Figure 2-3 Allocation Execution History – Criteria Window



The screen displays the search results that meet the Search Criteria in a table containing all the Allocation Rules.

You may search based on the following parameters:

- **Allocation Name**: Performs a wild card search on Allocation Rule Name. You can execute the search when you select the Search button.
- **Allocation Model**: Performs a wild card search on Allocation Model Name under which different Allocation Rules are grouped together. You can execute the search when you select the Search button.
- **Batch**: Performs a wild card search on Batch Name. You can execute the search when you select the Search button.
- **Executed By**: Performs a wild card search on the logged-in username that has executed the rule when rule execution happened through Allocation Summary. While it performs a wild card search on the username that has been passed as a parameter in the batch when rule execution happened through batch method.
- **Execution End Time**: Restricts the number of rules displayed on the Allocation Execution History summary screen based on a user's specification of a single execution date and a no earlier than Execution End Time – Time From and a no later than Execution End Time – Time To. You can execute the search when you select the Search button.
- **Output Scenario**: Performs a wild card search on the Output scenario for any Allocation Rule. You can execute the search when you select the Search button.

2.2.2 Inline Section

The Inline section contains two additional filters as follows:

- Executed As-of-Dates with default value as 'All As of Dates'.
- Execution Status with default value as 'All'.

The following statuses occur when an Allocation Execution is initiated:

- **Processing**: Allocation Engine updates this status when rule execution is started.
- **Successful**: Allocation Engine updates this status when rule execution is successful.
- **Failed**: Allocation Engine updates this status when rule execution is failed.

An Undo operation on any Allocation Execution can lead to one of the following statuses:

- **Undo in Progress**: Undo engine updates this status when it picks up a record for Undo so that another process does not pick up the same record.
- **Undo Failed**: Undo engine updates this status when the Undo is failed.
- **Undo Rolled Back**: When one of the rules as part of a Batch or an Allocation Model, is processed for Undo and fails, the status of the rule is marked as 'Undo Failed'.

All the previous rules in the Batch/Model that were successfully processed for Undo before the point of failure, will be rolled back, and the status of those records will be updated as 'Undo Rolled Back'.

User can apply these two filters to select the execution rows he wants to see in the Allocation Execution History Table.

This section also offers several controls that allow the user to perform different functions when an Allocation Rule is selected. You can select multiple Allocation Rules at a time, but this may disable some of the icons.

The following are the controls in the Inline section:

- **Reset**: Resets the search criteria and also refreshes the Allocation Execution History table. 'Reset' applies to all fields under the Criteria Window but not to the Inline filters.
- **View**: On choosing a single row of the Allocation Execution History table, select View to drill into an audit trail for the currently selected rule. The View icon is disabled if no rows have been selected or if multiple rows have been selected. See the Allocation Execution Audit Functionality section for details.
- **Undo**: You can use this icon to UNDO or reverse one or more allocation runs. For details, see the UNDO Functionality section.

2.2.3 Table Section

The following columns categorize each Allocation Execution row in the table:

You can sort any of these columns by clicking on the text in the column header.

- **As of Date**: Displays the As-of-Date when the Allocation Rule was executed.
- **Allocation Name**: Displays the Allocation Rule's short name. A “mouse over” on the Rule's name displays the Rule's long description as well as the Identity Code generated or used by that allocation. You can use Identity Codes in queries against the database to identify rows generated by the rule.
- **Output Table**: This denotes the target table name in the database where the Allocation is either posted or updated records. For example, Management Ledger, Assets, and so on.

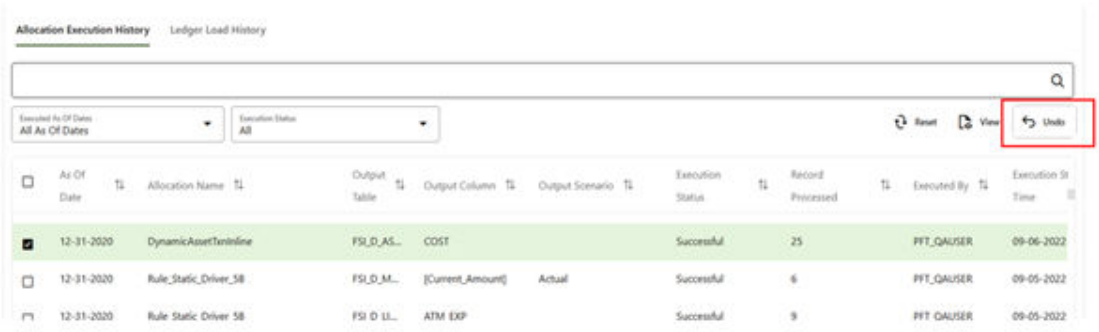
- **Output Column**: This denotes the target column name in the database where the Allocation is either posted or updated records.
- **Output Scenario**: This denotes the scenario value configured in the Output Configuration of the executed Allocation Rule.
- **Execution Status**: Denotes the status of each allocation execution. See the Inline section for more details.
- **Record Loaded**: Displays the record count of the Allocation Execution, meaning the count of inserts or updates that has taken place.
- **Executed By**: Displays the username that has executed the Allocation Rule.
- **Execution Start Time**: Displays the date and time at which each Allocation Rule has been started.
- **Execution End Time**: Displays the date and time at which each Allocation Rule is completed.
- **Execution Time**: Displays the elapsed time required for each Allocation Rule to complete, shown in hours, minutes & seconds.
- **Folder**: Displays the name of the Folder to which the Allocation Rule belongs.
- **Batch**: Displays the Batch name under which each Allocation Rule was executed. For rules executed directly from the Allocation Specification user interface, the system automatically generates synthetic batch names.
- **Allocation Model Name**: Displays the allocation model name under which the Allocation Rule is grouped. The Allocation Model consists of a list of individual Allocation Rules that can be executed as a single unit.

> **Note:**
>
> Allocation Model Name column remains blank for any Allocation Rule that was not executed from within an Allocation Model.

2.2.4 UNDO Functionality

For Allocations that insert data into the Management Ledger, an UNDO operation reverses the effect of that rule run by deleting the inserted rows.

Figure 2-4 Allocation Execution History - Undo

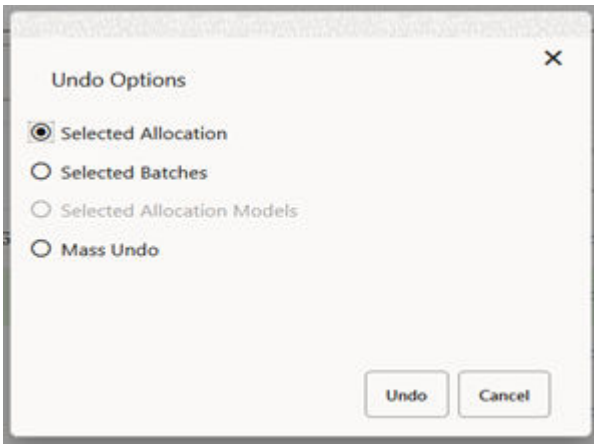


For Allocations that update data in Instrument or Transaction Summary Tables, an UNDO operation reverses the effect of that rule run by updating the output column targeted by that Allocation Run with a value of zero.

UNDOING a rule effectively removes completed allocation data from your environment, thus your management may wish to restrict your access to UNDO functionality. For details on restricting action to UNDO functionality, see User Preferences. The UNDO icon is enabled whenever you select one or more rows from the table. Upon requesting an UNDO operation, a pop-up dialog appears offering the following UNDO options:

- Selected Allocations
- Selected Batches
- Selected Allocation Models
- Mass UNDO

Figure 2-5 Allocation Execution History - Undo Options

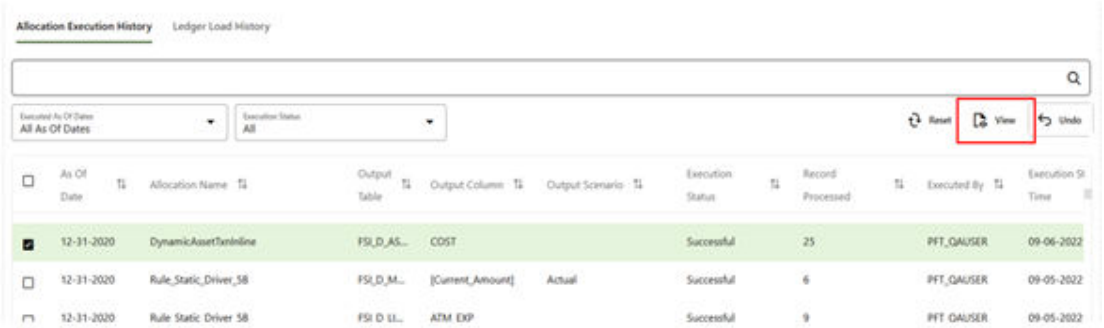


- If you choose Selected Allocations, each row that you have selected from the table will be UNDONE. This functionality works only if the Enable Undo for Selected Allocations option in the User Preferences is set to Yes.
- If you choose Selected Batches, all rule executions that belong to any of the batches you have selected will be UNDONE. This functionality works only if the Enable Undo for Selected Batches option in the User Preferences is set to Yes.
- If you choose Selected Allocation Models, all rule executions that belong to any of the Allocation Models that you have selected will be UNDONE. This functionality works only if the Enable Undo for Selected Allocation Models option in the User Preferences is set to Yes.
- If you choose Mass UNDO, every rule execution whose Execution End Time (a time-stamp value) is chronologically later than the earliest row that you have selected from the table will be UNDONE. This functionality works only if the Enable Mass Undo option in the User Preferences is set to Yes.

2.2.5 Allocation Execution Audit Functionality

When we select a single row from the Allocation Execution History table and click the View icon, a series of screens are displayed in a separate window that shows the Allocation Rule as it appeared at the time the rule was executed.

Figure 2-6 Allocation Execution History - View



2.2.5.1 Inline Reports

The Audit functionality provided within the Allocation Execution History includes inline reports for Sources, Drivers, and Outputs of Allocation Rules. These inline reports are described in detail in the following sections of Source Tab, Driver Tab and Output Tab.

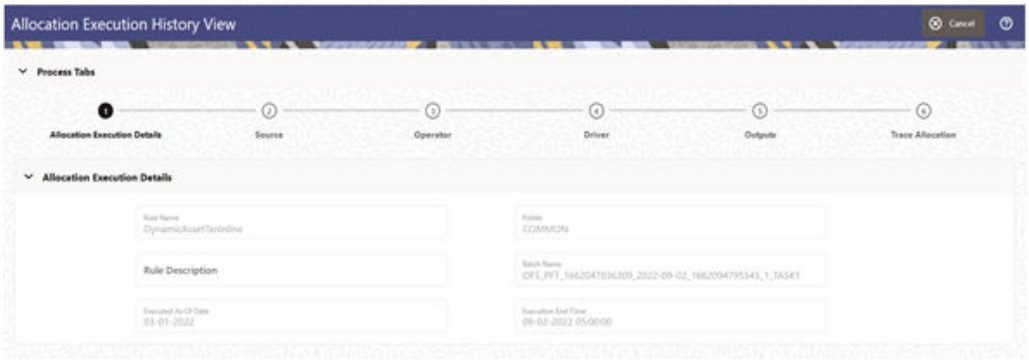
The View screen displays the following tabs:

- Allocation Execution Details Tab
- Source Tab
- Operator Tab
- Driver Tab
- Output Tab
- Trace Allocation Tab

2.2.5.1.1 Allocation Execution Details Tab

This is the first tab to be displayed when the user chooses to view a specific Allocation Run on the Allocation Execution History Summary page.

Figure 2-7 Allocation Execution Details Tab

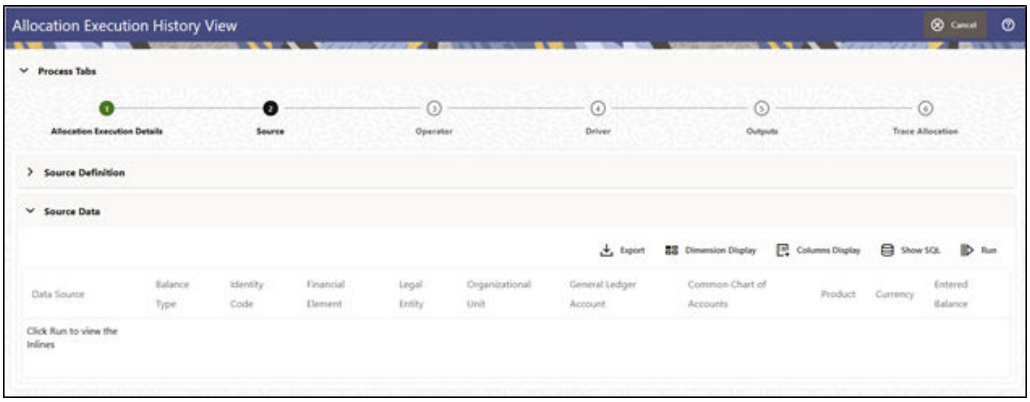


The tab displays the Allocation Rule Name, Description, Folder, Batch Name, Executed As-of-Date and Execution End Time.

2.2.5.1.2 Source Tab

The Source tab displays the details about the Allocation's Source Specification at the time that it was run. This view-only screen also offers an inline report of the Source data generated by the Allocation Rule at the time that it was run, and enables the user the ability to trace the sources of the data that fed into the current allocation.

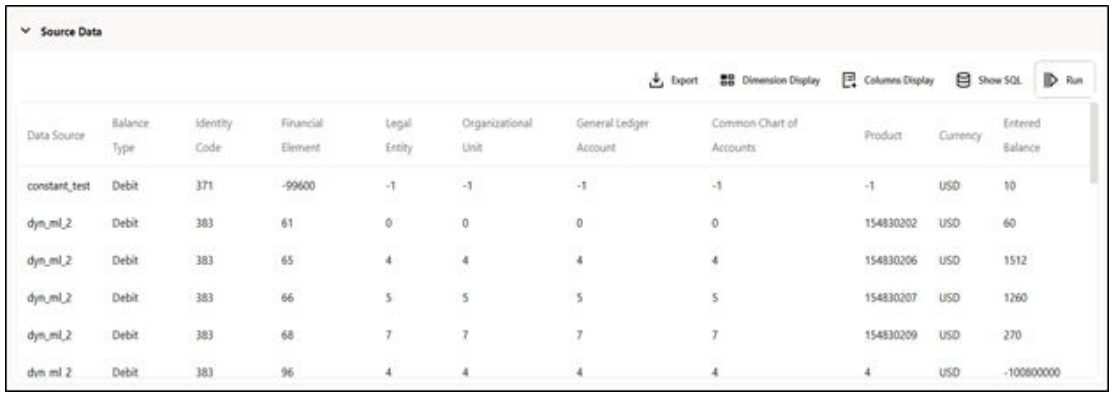
Figure 2-8 Source Tab



Source Definition: This section of the Allocation Execution History Source tab displays a read-only version of the Source Definition section of the underlying Allocation Rule's Source specification. This section is by default collapsed in the Source tab and the user can expand the section to view the source definition.

Source Data: This section of the screen remains empty initially and displays the message Click Run to view the Inlines. Refer to the earlier figure to view the source data section as it appears when you click on Source tab. If you wish to see an inline report for The Allocation's Source Data, you must click on the Run icon.

Figure 2-9 Source Data in Source Tab



The actual source query of a rule generated by the Allocation Engine at runtime are preserved and the same query is executed to show the source inline report. The source inline will always be available (regardless of whether or not the rule has been modified since it was executed). The source inline report excludes any data generated by allocations or other processes that were run after the execution of the current rule being examined.

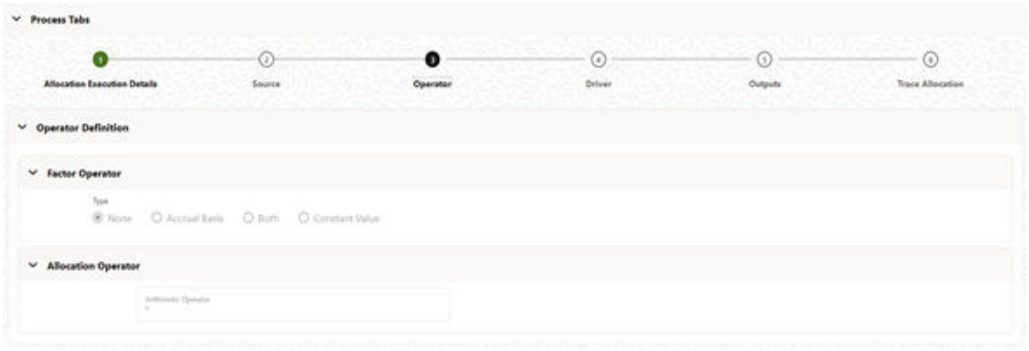
Source Data Controls: These include Run, Show SQL, Dimensions Display and Columns Display.

- **Run**: Select the Run icon to invoke the Source Inline Report.
- **Show SQL**: Select the Show SQL icon to view the query that generates the inline report. That is, it displays the Source Query that has been prepared and stored in the database while running the allocation. You may copy and paste this SQL to any query tool and execute to get the same inline report.
- **Dimension Display**: Clicking on this icon invokes a small dialog window that displays the choice of displaying the Dimensions as Short Names (Dimension Member ID), Long Names (Dimension Member name) or Both (both Member ID and Member Name) within your inline report.
- **Columns Display**: Clicking this icon opens a window that displays all the Non-Dimensional Columns of the inline. The user has the option of selecting the columns from this window that he wants to display in the inline report.
- **Export**: Clicking on Export, the user can export the inline source data.
- Additionally, user can **trace** an Allocation row that appears in the source inline through a hyperlink feature given in the Data Source column. Each of the source inline rows comes with the Data Source column value as a hyperlink clicking which takes the user to the View of the clicked Allocation row. This hyperlink is currently enabled for Allocation Rows only and not enabled for Ledger Load Rows, Instrument Load Rows, or Transaction Summary Load Rows. For Management Ledger Rows, the data source value comes with the corresponding data sources while for Instrument and Transaction Summary Load Rows, the value comes hardcoded as 'Instrument Load' and 'Transaction Summary Load' respectively.

2.2.5.1.3 Operator Tab

This tab displays the Allocation's Operator specification at the time the rule was run.

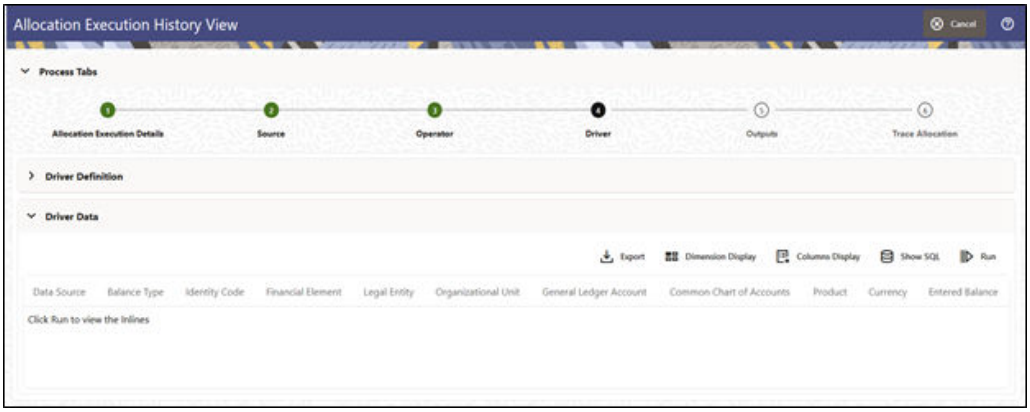
Figure 2-10 Operator Tab



2.2.5.1.4 Driver Tab

The Source tab displays the details about the Allocation's Driver Specification at the time that it was run. This view-only screen also offers an inline report of the Driver Data generated by the Allocation Rule at the time that it was run, and enables the user the ability to trace the sources of the data that fed into the current Allocation.

Figure 2-11 Driver Tab



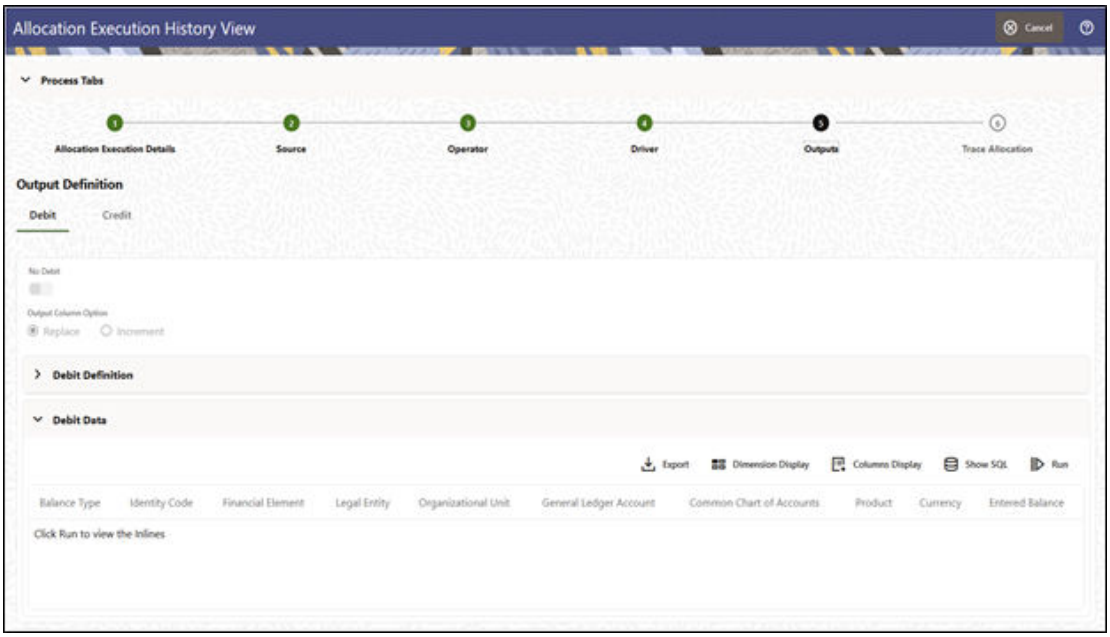
- **Driver Definition**: This section of the Allocation Execution History Driver tab displays a read-only version of the Driver Definition section of the underlying Allocation Rule's Driver specification. This section is by default collapsed in the Driver tab and the user can expand the section to view the source definition.
- **Driver Data**: This section of the screen remains empty initially and displays the message Click Run to view the Inlines. If you wish to see an inline report for the Allocation's Driver Data, you must click on the Run icon.
  The driver query of a rule generated by the Allocation Engine at Runtime are preserved and the same query is executed to show the Driver Inline Report. The driver inline will always be available (regardless of whether or not the rule has been modified since it was executed). The Driver Inline Report excludes any data generated by allocations or other processes that were run after the execution of the current rule being examined.

- **Driver Data Controls**: This includes Run, Show SQL, Dimensions Display, Columns Display, and Export, and they are identical to those described under the Source Data Controls.

2.2.5.1.5 Output Tab

The Outputs tab displays the details about the Allocation's Output specification at the time it was run. This view-only screen also offers an inline report of the Output data generated by the Allocation Rule at the time it was run.

Figure 2-12 Output Tab



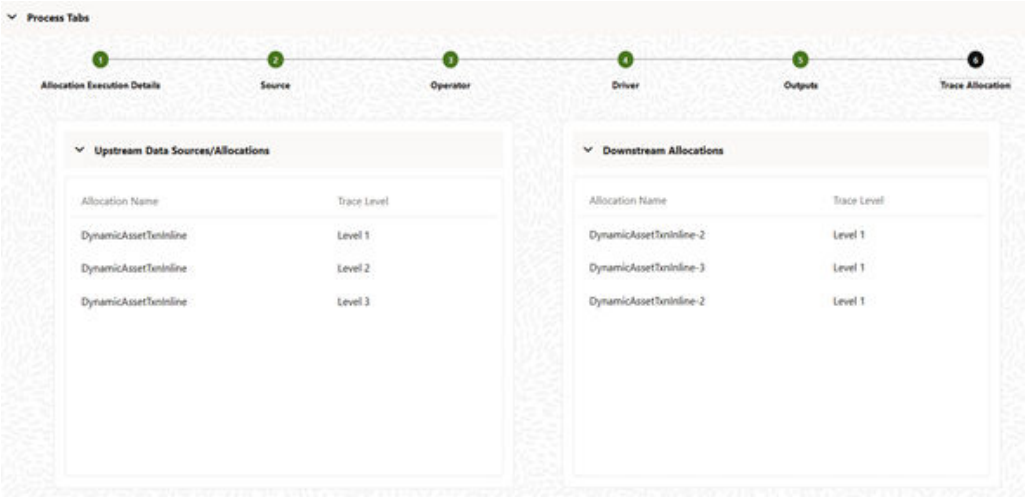
The Output Definition, just like the Output Specification in the Allocation Specification screen, displays two tabs of Debit and Credit. The Debit/Credit Definition and the Debit/Credit Data sections are identical to the Source and Driver tabs.

Output Data Controls: This includes Run, Show SQL, Dimensions Display, Columns Display, and Export, and they are identical to those described under the Source Data Controls.

2.2.5.1.6 Trace Allocation Tab

The Trace Allocation tab displays two panes, one showing distinct Upstream Data Sources or Allocations and the other showing affected Downstream Allocations.

Figure 2-13 Trace Allocation Tab



- **Upstream Data Sources/Allocations**: The pane displays all distinct Sources of data or Allocations that fed into the current Allocation run. You may trace any Upstream Allocation, but you may not trace non-allocation sources (initial Ledger Loads, Initial Instrument Loads, Initial Transaction Summary Loads, transfer pricing rate Migrations, and so on). The pane gives the Data Source or Allocation Name and the trace level of the Data Source or Allocation.
- **Affected Downstream Allocations**: The pane displays all the Downstream Allocation Rules that included the outputs of the current rule run in their Source queries. You may trace to any Downstream Allocation. The pane give the Allocation Name and the trace level of the Allocation.

2.3 Ledger Load History

Ledger Load History allows you to review the Runtime History of a Management ledger Load. You may see the order in which Ledger Loads are executed, and you may select any Ledger Load row and Undo the Ledger Load.

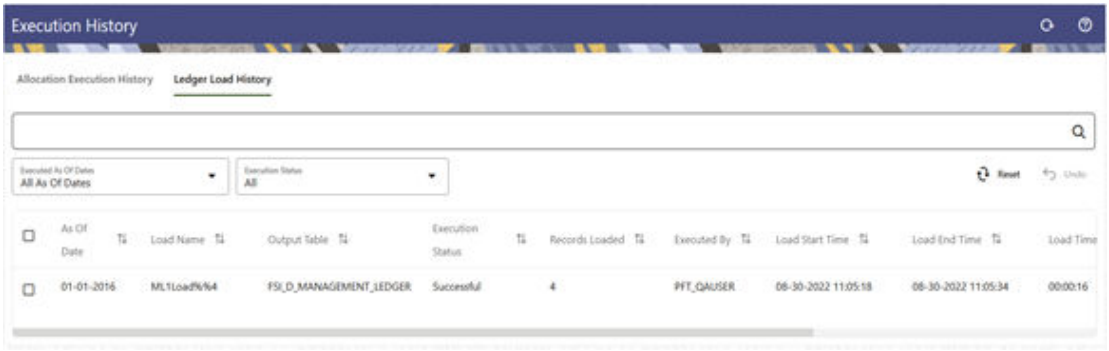
The screen presents a table that lists the Ledger Loads sorted by As-of-Date and by Load End Time. You may sort on any column you choose by clicking on the column header upward/downward arrows, but the results are sorted first by As-of-Date and second by the Column, you have chosen.

2.3.1 Navigation in Ledger Load History

When you first enter the Ledger Load History screen, your results are shown for all As-of-Date values for which a ledger load was executed, with the Executed As-of-Dates displaying value “All As of Dates”. You may select a different As-of-Date from a drop-down list as required.

With the ‘All As of Dates’ selected, the Ledger Load History Table will display the load names sorted in descending order based on the As of Date and the Load End Time.

Figure 2-14 Ledger Load History Screen



The title bar of the Screen displays several actions for the user. They are:

- **Refresh**: Click Refresh to refresh the Ledger Load History Page.
- **Help**: Click Help to view the Ledger Load History Help Page.

The Ledger Load History screen can be divided under three sections – the Search section, the Inline section and the Table section.

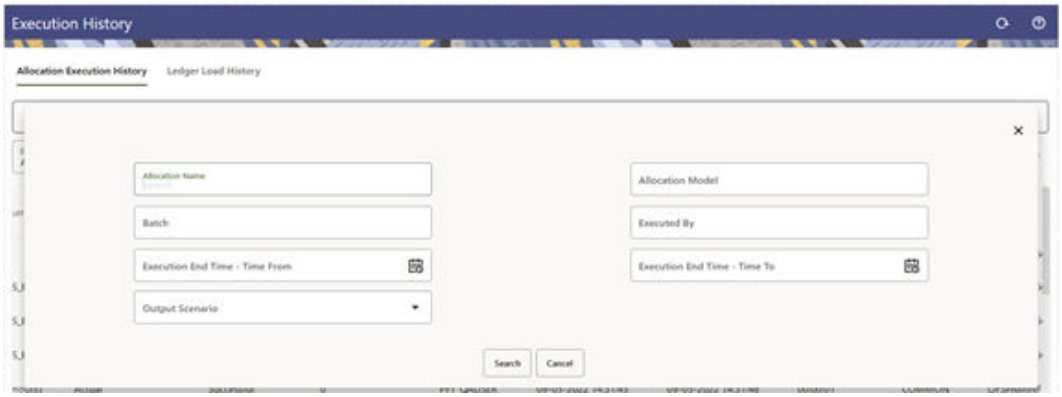
2.3.1.1 Search Section

The search pane is used to specify the search criteria that will reduce the number of Ledger Loads that are displayed in the Ledger Load History table.

To search the Ledger Loads, perform the following steps:

1. Click the **Search** icon on the Search Pane to display the Criteria Window.
2. Enter the **Load Name**, **Batch**, **Load End Time**, or **Executed By** and click **Search** to display the Allocation Rules that match the criteria.
3. Click **Cancel** to remove the filter criteria on the Search Window and refresh the Window.
4. Click **Search** after entering the Search Criteria.

Figure 2-15 Ledger Load History – Criteria Window



The screen displays the search results that meet the Search Criteria in a table containing all the Ledger Loads.

You may search based on the following constraints:

- **Load Name**: Performs a wild card search on Ledger Load Name. You can execute the search when you select the Search button.
- **Batch**: Performs a wild card search on Batch Name. You can execute the search when you select the Search button.
- **Load End Time**: Restricts the number of rules displayed on the Ledger Load History screen based on a user's specification of a Single Load Date, and a no earlier than Load End Time – Time From and a no later than Load End Time – Time To. You can execute the search when you select the Search button.
- **Executed By**: Performs a wild card search on the logged-in username that has executed the ledger Load (Management Ledger Data Loader process).

2.3.1.2 Inline Section

The Inline section contains two additional filters of:

- Executed As-of-Dates with default value as 'All As of Dates'.
- Execution Status with default value as 'All'.

The following status occur when a ledger load is initiated.

- **Successful**: Ledger Load process updates this status when Ledger Load is successful.

An Undo operation on any Ledger Load can lead to one of the following statuses:

- **Undo Status**: Status Description
- **Undo in Progress**: Undo Engine updates this status when it picks up a record for Undo so that another process does not pick up the same record.
- **Undo Failed**: Undo Engine updates this status when the Undo is failed.

User can apply these two filters to select the Ledger Load rows he wants to see in the Ledger Load History table.

This section also offers several controls that allow the user to perform different functions when a Ledger Load is selected.

The following are the controls in the Inline section:

- **Reset**: Resets the search criteria and also refreshes the Ledger Load History table. 'Reset' applies to all fields under the Criteria Window but not to the Inline filters.
- **Undo**: You can use this icon to UNDO or reverse one or more ledger loads. For details, see the Ledger Load Undo Functionality section.

2.3.1.3 Table Section

The following columns categorize each Ledger Load row in the table:

You can sort any of these columns by clicking on the text in the column header.

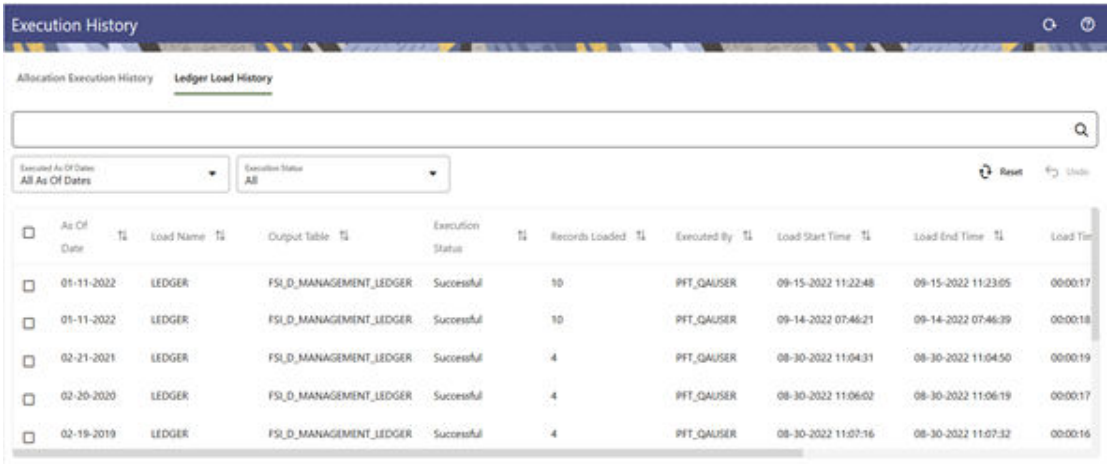
- **As of Date**: Displays the As-of-Date when the Allocation Rule was executed.

- **Load Name**: Displays the Ledger Load name. A “mouse over” on the Load Name displays the Identity Code generated by the Load. You can use Identity Codes in queries against the database to identify rows generated by the Load.
- **Output Table**: This denotes the target Table Name in the database where the load has happened. The Output table is one of the Management Ledger Tables.
- **Execution Status**: Denotes the status of each Ledger Load. See the Inline section content for more details.
- **Record Loaded**: Displays the load count of the load process, meaning the count of inserts that has taken place.
- **Executed By**: Displays the username that has executed the Leger Load process.
- **Load Start Time**: Displays the date and time at which each Ledger Load has been started.
- **Load End Time**: Displays the date and time at which each Ledger Load is completed.
- **Load Time**: Displays the elapsed time required for each Ledger Load to complete, shown in hours, minutes & seconds.
- **Batch**: Displays the Batch name under which each Ledger Load was executed.

2.3.2 Ledger Load UNDO Functionality

A Ledger Load Undo operation reverses the effect of the Ledger Load process meaning it deletes the rows that were inserted into a Management Ledger as part of the Ledger Load process.

Figure 2-16 Ledger Load History - Undo



The Undo icon is enabled whenever you select one or more rows from the table.

For details on restricting action to Undo functionality, see User Preferences. This functionality works only if the Enable Undo for Ledger Load option in the User Preferences is set to Yes.