

**Oracle® Retail Process Orchestration and  
Monitoring**

Classic User Guide

Release 19.1

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# Contents

|  |      |
|--|------|
| <b>Send Us Your Comments</b> .....                                 | vii  |
| <b>Preface</b> .....   | ix   |
| Audience .....   | ix   |
| Documentation Accessibility .....                                  | ix   |
| Customer Support .....   | ix   |
| Review Patch Documentation .....                                   | ix   |
| Improved Process for Oracle Retail Documentation Corrections ..... | x    |
| Oracle Retail Documentation on the Oracle Technology Network ..... | x    |
| Conventions .....  | x    |
| <br>   |      |
| <b>1 Common User Interface Controls</b>                            |      |
| <b>Logging on to the Application</b> .....                         | 1-1  |
| <b>Navigation Area</b> .....                                       | 1-2  |
| Application Navigator .....  | 1-2  |
| Favorites .....  | 1-3  |
| Tasks .....  | 1-3  |
| Notifications .....  | 1-5  |
| Notification Badge .....   | 1-5  |
| Notification Sidebar .....   | 1-6  |
| Search Bar .....   | 1-6  |
| Filtering Panel .....  | 1-6  |
| Grouping Panel .....   | 1-7  |
| Results Panel - List View .....                                    | 1-7  |
| Results Panel - Grouped View .....                                 | 1-8  |
| Results Panel - Summarized View .....                              | 1-8  |
| All Notifications Tab .....  | 1-9  |
| Reports .....  | 1-11 |
| <b>Specifying Preferences</b> .....                                | 1-11 |
| Regional Options .....   | 1-11 |
| Language Options .....   | 1-12 |
| Accessibility Options .....  | 1-12 |
| <b>Table Menu Options</b> .....                                    | 1-12 |
| Action Menu and Icons .....  | 1-12 |
| View Menu .....  | 1-13 |

|   |             |
|---|-------------|
| Screen Level Action - Icons and Buttons ..... | 1-13        |
| <b>Logging Out of the Application .....</b>   | <b>1-14</b> |

## 2 Process Orchestration and Monitoring

|   |             |
|---|-------------|
| <b>Monitoring Batches.....</b>                                      | <b>2-1</b>  |
| Header .....  | 2-2         |
| Batch Jobs .....  | 2-3         |
| Batch Jobs - Actions Menu and Icons.....                            | 2-4         |
| Batch Jobs - View Menu and Icons .....                              | 2-5         |
| Dependencies.....   | 2-6         |
| Dependencies - Actions Menu and Icons .....                         | 2-6         |
| Dependencies - View Menu and Icons .....                            | 2-6         |
| External Associations.....  | 2-6         |
| External Associations - Actions Menu and Icons.....                 | 2-7         |
| External Associations - View Menu and Icons .....                   | 2-7         |
| Execution Engine.....   | 2-7         |
| All External Dependencies.....                                      | 2-9         |
| All External Dependencies - View Menu and Icons .....               | 2-9         |
| All Inter-Schedule Dependencies .....                               | 2-10        |
| All Inter-Schedule Dependencies - View Menu and Icons .....         | 2-10        |
| All Callbacks .....   | 2-10        |
| All Callbacks - View Menu and Icons.....                            | 2-11        |
| Batch Monitoring Toolbar.....                                       | 2-11        |
| All Execution Links.....  | 2-11        |
| All Execution Links - View Menu and Icons .....                     | 2-12        |
| <b>External System Configuration .....</b>                          | <b>2-12</b> |
| Configuring System Wide External URL and Status Update Mode .....   | 2-12        |
| Creating or Modifying External System Credentials in WebLogic ..... | 2-13        |
| <b>Mail Notifications .....</b>                                     | <b>2-13</b> |
| Nightly Cycle Summary Report Mail Notification .....                | 2-14        |
| Job Error/Skipped On Error Mail Notification .....                  | 2-14        |

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Oracle Retail Process Orchestration and Monitoring User Guide, Release Release 19.1

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Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

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# Preface

The *Oracle Retail Process Orchestration and Monitoring User Guide* describes the tracking and managing of batch jobs.

## Audience

This guide is for system administrators and operations personnel, integrators and implementation staff personnel as well as users of the module.

## Documentation Accessibility

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- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

## Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 19.1) or a later patch release (for example, 19.1.002). If you are installing the base release, additional patch, and bundled hot fix releases, read the documentation

for all releases that have occurred since the base release before you begin installation. Documentation for patch and bundled hot fix releases can contain critical information related to the base release, as well as information about code changes since the base release.

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This process will prevent delays in making critical corrections available to customers. For the customer, it means that before you begin installation, you must verify that you have the most recent version of the Oracle Retail documentation set. Oracle Retail documentation is available on the Oracle Technology Network at the following URL:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

An updated version of the applicable Oracle Retail document is indicated by Oracle part number, as well as print date (month and year). An updated version uses the same part number, with a higher-numbered suffix. For example, part number E123456-02 is an updated version of a document with part number E123456-01.

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<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

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## Conventions

The following text conventions are used in this document:

| <b>Convention</b> | <b>Meaning</b>   |
|-------------------|--|
| <b>boldface</b>   | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.         |
| <i>italic</i>     | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.                          |
| monospace         | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

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# Common User Interface Controls

Oracle Retail applications, such as the Oracle Retail Process Orchestration and Monitoring application, include some common interface options and controls that you can use throughout the application workflow. The following sections describe these user interface controls in more detail.

Although you may have more than one Oracle Retail application installed on your system, each application may use many of the same interface components and abide by common rules and constraints.

You can quickly access the tasks of current applications and switch to other applications from the Navigation bar. For more information on the Navigation bar, see the [Navigation Area](#) section.

The following topics are covered in this chapter:

- [Logging on to the Application](#)
- [Navigation Area](#)
- [Specifying Preferences](#)
- [Table Menu Options](#)
- [Logging Out of the Application](#)

## Logging on to the Application

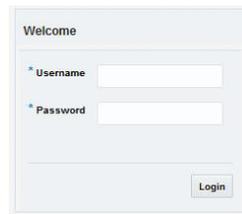
To log on to the application:

1. Click the **User** list menu on the top right of the Oracle Process Orchestration and Monitoring window.

**Figure 1–1** User List Menu



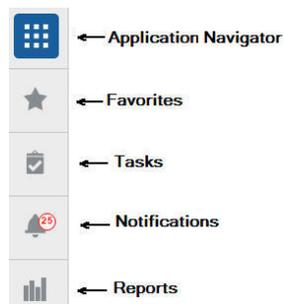
2. Click **Login**. The Welcome screen appears.

**Figure 1–2 Welcome Screen**

3. Provide the following login information:
  - a. Enter your user name in the **Username** field.
  - b. Enter your password in the **Password** field.
4. Click **Login**.

## Navigation Area

You can quickly access the tasks of current applications and switch to other applications from the Navigation bar.

**Figure 1–3 Navigation Bar**

The following Navigation bar options are common across all the applications:

- [Application Navigator](#)
- [Favorites](#)
- [Tasks](#)
- [Notifications](#)
- [Reports](#)

## Application Navigator

The Application Navigator is optional for the application and provides the ability to switch between applications.

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**Note:** Your view may vary, depending upon the features selected during the setup process.

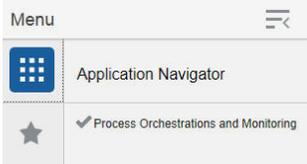
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To switch between applications:

1. At the top left of the application, click the Application Navigator  icon to open the list of available applications.

**Figure 1–4 Application Navigator**



2. Select the listed applications. The application will open in a new tab.

## Favorites

You can select your favorite tasks without accessing the Tasks menu. It helps you quickly get into your frequently used tasks.

You can click the Favorites icon in the Tasks menu to access tasks designated as favorites. You can also select the cog icon from the Favorites menu to edit the favorite list. Tasks can be selected or deselected as favorites in the Tasks menu.

## Tasks

Oracle Retail applications support a variety of navigational tools and methods that allow you to move efficiently between application pages. Information on how to use and manage each of the tools and methods is included in this section.

A task is a set of links to a series of task flows organized in a specific sequence to accomplish a business process or procedure. For example, tasks can be defined for common multi-step procedures or processes so that you can quickly step through tasks. By navigating sequentially to the pages outlined in the task, you are assisted in stepping through the business process or activity.

Your Tasks list appears on the top left side of the home page. All of the tasks to which you have access are listed on the Tasks window. You can either click on the specific task name to open, or use the Task Search component to search for a Task that you want to open.

To begin working with a task, choose the schedule and then the application feature or process from the list.

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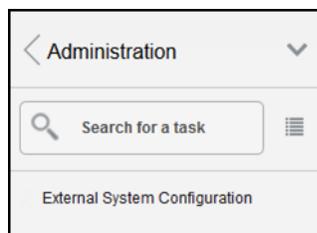
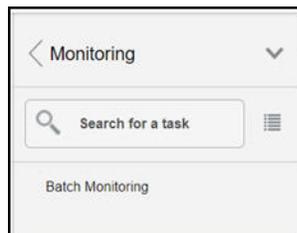
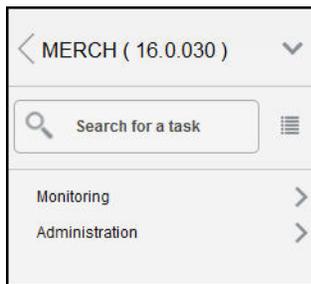
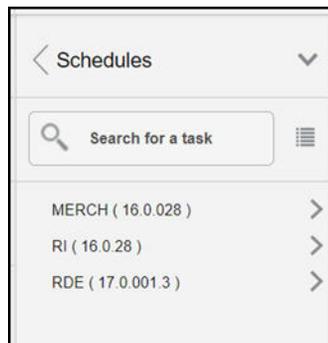
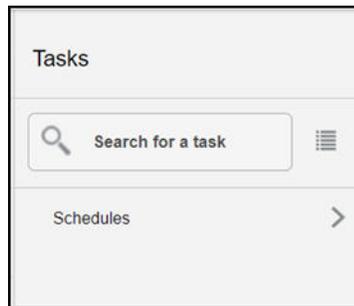
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**Note:** Your task menu may appear slightly different, depending on your retail application.

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**Figure 1-5 Tasks Menu**



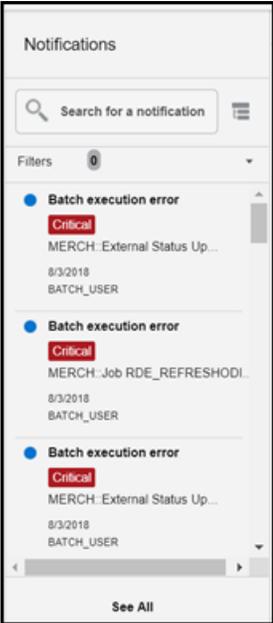
## Notifications

Notifications bring events within the application to your attention.

See the following examples:

- A simple, informative message indicating a long-running process has completed
- A message indicating a critical exception has occurred

**Figure 1–6 Notifications**



## Notification Badge

The Notification Badge displays the number of unread notifications for the user in the sidebar menu. The Notification Badge displays '99+', when there are more than 99 notifications.

The notification count is periodically refreshed at regular intervals. This interval is determined by a system-configured value.

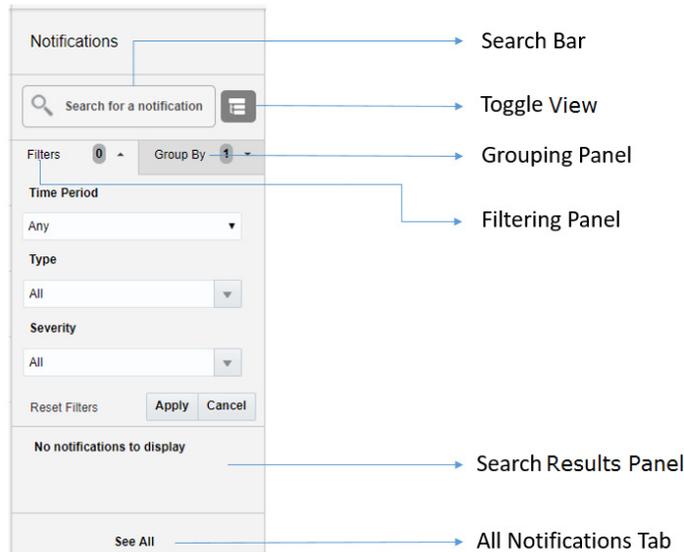
**Figure 1–7 Notification Badge**



## Notification Sidebar

When you click the Notification icon, a Notifications Sidebar is shown that displays the most recent set of unread notifications (depending on the filter set).

**Figure 1–8 Notifications Sidebar**



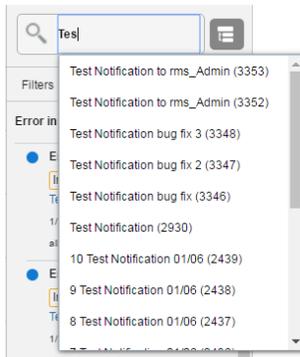
Each component of the Notifications Sidebar is discussed in detail in the following sections:

### Search Bar

A search bar at the top of the panel allows for searching through notifications. The search bar has auto-suggest enabled, so it displays notifications as the user types.

Right next to the search bar is the 'List/Group' view toggle button. This causes the Notification results to be displayed either in a flat or grouped view.

**Figure 1–9 Search Bar**



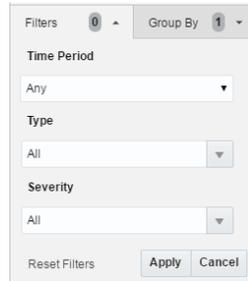
### Filtering Panel

The Filtering Panel allows you to filter notifications based on Creation time, Severity and Type.

The values for the Time Periods and Severity components are pre-seeded constants. The Type drop-down lists all the notification types available in the system.

When you click the **Apply** button, notifications that match the criteria are shown in the Results Panel.

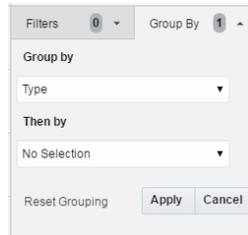
**Figure 1–10 Filtering Panel**



### Grouping Panel

This panel allows you to group notifications based on different attributes. The values of the 'Group by' and the 'Then by' components are pre-seeded.

**Figure 1–11 Grouping Panel**

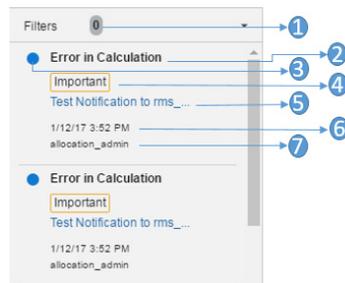


### Results Panel - List View

When no selection is made in the Grouping panel, the Results Panel displays notifications in a list format.

The image below shows a simple search without any filtering or grouping.

**Figure 1–12 Results Panel - List View**



1. Indicates that no filtering was done.
2. Notification Type - A description of the Type is displayed.

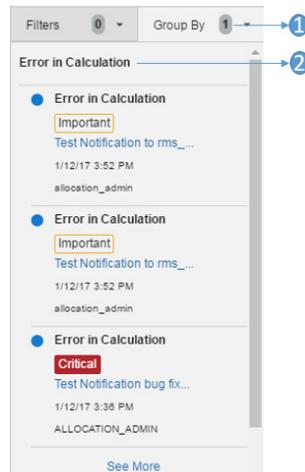
3. Read/Unread - A blue icon  is shown next to the notification if it is unread.
4. Notification Severity - A colored label indicating the severity of the notification is shown.
5. Description - The description associated with the notification. If the notification was designed to launch into a relevant flow, then this is displayed as a link. Otherwise, the description is rendered as plain text.
6. Creation Time - A timestamp that shows the date and time at which the notification was created.
7. User name - Creator of the notification.

### Results Panel - Grouped View

Notifications are displayed in a grouped format within the Results panel, when the Group By drop-down in the Grouping Panel is selected.

Notifications are displayed in groups with three notifications shown for each group.

**Figure 1–13 Results Panel - Grouped View**



1. Indicates the Group-By drop-down is selected on the Grouping Panel.
2. The value of the Group-By attribute. In this example, the results were grouped by Notification Type. Hence the Notification Type is shown as the header of the group.

For each group, three notifications are shown followed by a 'See More' link. When you click this link, up to 25 notifications are displayed for that group.

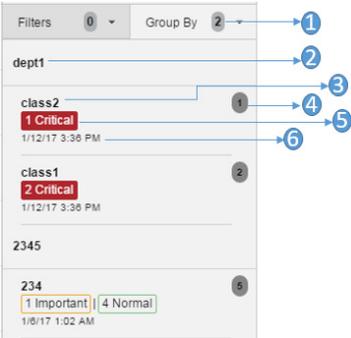
### Results Panel - Summarized View

Notifications are summarized as shown in this example, when both the Group By and the Then By drop-downs in the Grouping Panel are selected.

The summary view displays various groups and within them subgroups based on the selections on the Grouping panel. For each subgroup, a count of the notifications within that subgroup, grouped by severity is displayed.

The example here depicts a grouping by department, then by class.

Figure 1–14 Results Panel - Summarized View

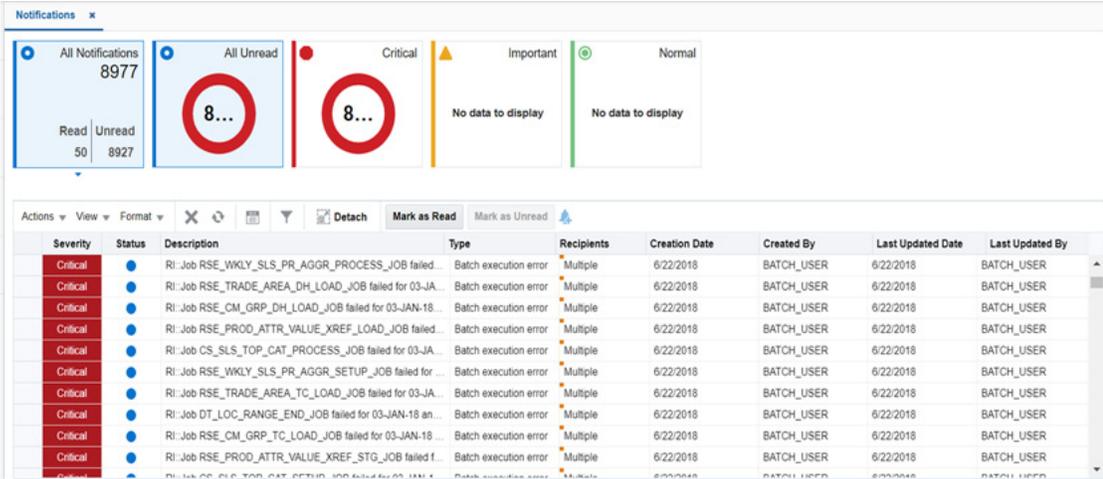


1. Indicates that both options on the Grouping Panel have been selected.
2. First level of grouping is by Department. Here the first department shown is 'dept1'.
3. The subgroup within department 'dept1'. In this example, this is the Class name.
4. The number of notifications within that combination of Group and Subgroup.
5. A grouping by severity of all notifications within that combination of Group and Subgroup.
6. The timestamp of the most recent notification of that combination of Group and Subgroup.

**All Notifications Tab**

The All Notifications tab is shown when you click the 'See All' link at the bottom of the Notifications side panel.

Figure 1–15 All Notifications

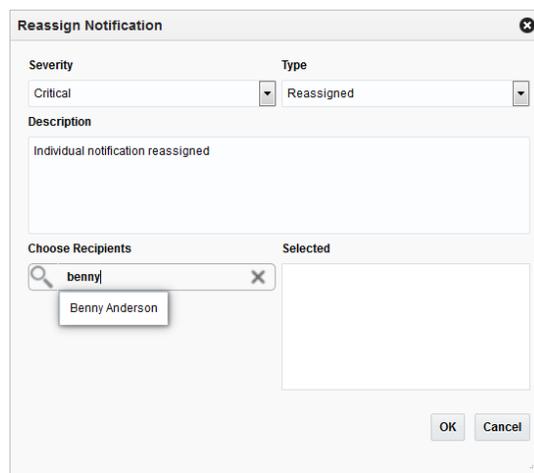


This tab lists all the notifications for the logged-in user, regardless of whether they are in Read or Unread status. Information tiles display a break-up of the total notifications by severity. Clicking these tiles refreshes the table below to display only those notifications that are relevant to that tile.

You can perform the following operations from this tab.

- Delete  - The table allows for multiple selection and hence multiple notifications can be deleted at a time. Use the row header to select the row.
- Refresh  - This refreshes the list of notifications in the table.
- Mark as Read - Multiple Unread Notifications can be marked as Read by clicking this button.
- Mark as Unread - Multiple Read Notifications can be marked as Unread by clicking this button.
- Reassign Notifications  - Notifications can be reassigned to individual recipients or a group by clicking the Reassign Notifications icon. On selecting a row in the All Notifications table, and clicking the icon, the reassign notification popup is displayed. The Type is set to Reassigned by default, and the Severity and Description are pre-populated from the selected row; you can then change any of these values and assign the notification to one or more recipients.

**Figure 1–16 Reassign Notification**



The All Notifications table displays the following columns:

- Notification Severity - A colored label indicating the Notification Severity.
- Status - If the status is unread, an icon  is shown. Otherwise it is blank.
- Description - The description of the notification itself.
- Type- The description of the Notification Type for the notification.
- Recipients - In case of individual notifications, this column contains the user ID of the user to whom the notification is assigned. When the notification is assigned to multiple users, it displays the text 'Multiple' and enables a context popup which lists all the recipients. This field is empty when the notification is assigned to a group associated with a type.
- Creation Date - Timestamp showing the date and time of creation.
- Created By - User ID of the user who created the notification.
- Last Updated Date - Timestamp showing the date and time when the last update was made.
- Last Updated By - User ID of the user who last updated the notification.

- Application ID - Unique identifier that identifies the application. Not visible by default.
- Department - The Department associated with the notification. Not visible by default.
- Class - The Class associated with the notification. Not visible by default.
- Subclass - The Subclass associated with the notification. Not visible by default.
- Location - The Location associated with the notification. Not visible by default.
- Supplier - The Supplier associated with the notification. Not visible by default.
- Performance - The Performance value associated with the notification. Not visible by default.
- Brand - The Brand associated with the notification. Not visible by default.
- Rollup Count - The Rollup Count associated with the notification. Not visible by default.
- Additional Information - Refers to the Additional Information attribute associated with the notification. Not visible by default.

## Reports

The functionality of Reports works similar to the Tasks menu.

## Specifying Preferences

The Preferences pages are where you specify the default regional, language, and accessibility settings that you want to use throughout the system.

To set your preferred preferences, click **User list > Preferences** at the top of the application home page. The Preferences page appears. The standard preference options available are as follows:

- Regional
- Language
- Accessibility

To return to the application home page, click **Back to Home** at the top of the page.

## Regional Options

Use the following options to specify the default formats for territory, date, time, number, and time zone you want to use throughout the system.

**Table 1–1 Regional Options**

| <b>Value</b>  | <b>Description</b>                             |
|---------------|--|
| Territory     | Specify the country details.                   |
| Date Format   | Select the date format that you want to use.   |
| Time Format   | Select the time format that you want to use.   |
| Number Format | Select the number format that you want to use. |
| Time Zone     | Select the time zone you want to use.          |

## Language Options

Use the following options to specify the default language you want to use throughout the system.

**Table 1–2 Language Options**

| Value           | Description   |
|-----------------|---|
| Default         | Specify the default language you want to use.                 |
| Current Session | Specify the language you want to use for the current session. |

## Accessibility Options

Use the following options to specify the default accessibility preferences you want to use throughout the system.

**Table 1–3 Accessibility Options**

| Value          | Description  |
|----------------|--|
| Accessibility  | Select the accessibility option you want to apply. |
| Color Contrast | Specify the color contrast that you want to use.   |
| Font Size      | Specify the font size that you want to use.        |

## Table Menu Options

**Note:** [Figure 1–17](#), [Figure 1–18](#) are representations and may be different for every window/table/popup.

The Actions menu, View menu, and icons are displayed in the form of a table. For more information on these options, see the sections [Action Menu and Icons](#) and [View Menu](#).

## Action Menu and Icons

The Actions menu provides the option to take different actions related to entries in the table. Depending on the nature of the table, these actions can be add, view, delete or edit table rows, create by moving to a new screen or export the table contents to the spreadsheet. Alternatively these actions can also be performed by using the icon buttons on the table toolbar. For more information on the icon/buttons, see the [Screen Level Action - Icons and Buttons](#).

In some tables, it may also contain some table specific actions.

**Figure 1–17 Actions Menu and Icons**



**Table 1–4 Actions Menu/Icons and Descriptions**

| Actions Menu/Icon  | Description  |
|--|--|
| Export to Excel and Export to Excel icon  | You can export the records in the table to a Microsoft Excel spreadsheet by selecting <b>Actions &gt; Export to Excel</b> or by using the Export to Excel icon  . |
| Refresh icon                              | Use the Refresh icon  to update the records in the table.<br>Not available in the Dependencies and External Associations section.                                  |
| Wrap icon                                 | You can wrap the values in the table column by first clicking the column on which you would like the text to wrap and then using the Wrap icon  .                  |

## View Menu

The View menu provides the options for managing the table columns and sorting and filtering the table data.

In some tables you have the option to choose a saved custom view, which is an arrangement of columns different from the default view of the table.

**Figure 1–18 View Menu****Table 1–5 View Menu/Icons and Descriptions**

| View Menu List   | Description   |
|--|---|
| Columns  | You can manage which of the columns will be shown in the table by clicking the <b>Show All</b> and <b>Manage Columns</b> options.   |
| Detach and Detach icon                      | You can view the tables in the application in a separate window by clicking Detach or by using the Detach icon  .                        |
| Sort   | You can sort columns by the following options: <ul style="list-style-type: none"> <li>■ Ascending</li> <li>■ Descending</li> <li>■ Advanced</li> </ul>  |
| Reorder Columns  | You can reorder columns by clicking the Reorder Columns option.   |
| Query by Example and Query by Example icon  | You can filter the items by one or multiple column values by clicking the Query by Example option or by using the Query by Example icon  . |

## Screen Level Action - Icons and Buttons

The screen level actions display the icons and buttons.

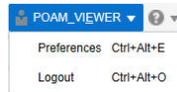
**Table 1–6 Screen Level Action - Icons/Buttons and Description**

| Icons/Buttons | Description                            |
|---------------|--|
| Done          | Click <b>Done</b> to close the window. |

## Logging Out of the Application

Use the **User** list menu on the top right of the window, to log out of the application.

**Figure 1–19 Logging Out of the Application**



---

## Process Orchestration and Monitoring

The Process Orchestration and Monitoring application is a user interface for scheduling, tracking and managing, both nightly as well as intraday batch jobs.

### Monitoring Batches

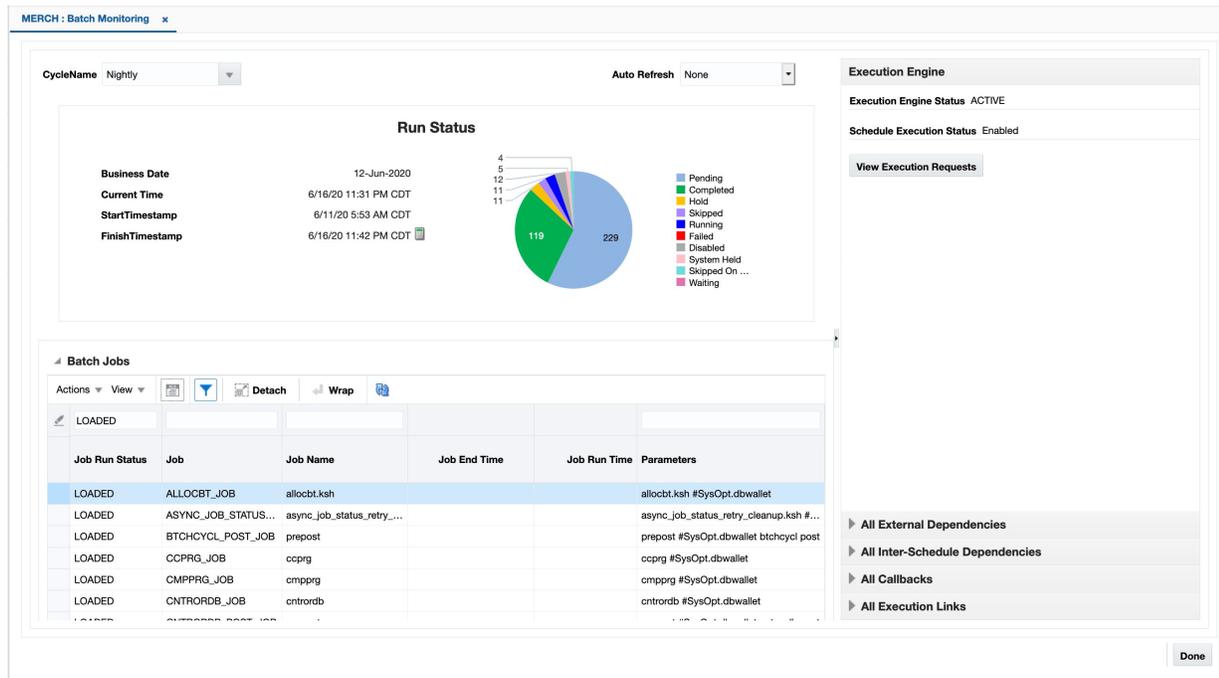
The Batch Monitoring window provides a runtime view of the statuses and dependencies with regard to the different batch cycles running on the current business day.

To access the Batch Monitoring window from the Tasks menu, select **Batch Monitoring**. The Batch Monitoring window appears.

The Batch Monitoring window contains the following sections.

- [Header](#)
- [Batch Jobs](#)
- [Dependencies](#)
- [External Associations](#)
- [Execution Engine](#)
- [All External Dependencies](#)
- [All Inter-Schedule Dependencies](#)
- [All Callbacks](#)
- [All Execution Links](#)
- [Batch Monitoring Toolbar](#)

Figure 2–1 Batch Monitoring



## Header

In the Header section select the monitoring cycle you want to view. The **Monitoring Cycle** field lists all batch cycles configured for a business day, including the Nightly batch cycle and the Adhoc cycle. When you choose a monitoring cycle the window shows the results specific to the selected cycle. When you open the window, the monitoring cycle defaults to the current or last run cycle for the current business day.

The screen can be set to auto refresh periodically by selecting the pre-defined interval from the **Auto Refresh** list. By default, this value is set to None on page load which means the Auto Refresh is turned off.

The Header section also contains a Run Status area, displaying the current business date, the current time, the start time of the selected cycle and the expected end time of the selected cycle, if the cycle has not yet been completed, or the actual end time, if the cycle has already been completed. Use the Calculate icon to calculate the expected end time. The StartTimestamp and FinishTimestamp of the cycle will be displayed only on after selecting the Calculate icon.

In addition, the Run Status area shows a chart summary of the status of the different batches that are included in the selected cycle. The possible statuses are listed below:

- Pending
- Completed
- Hold
- Skipped
- Running
- Failed
- Disabled
- System Held
- Skipped on Error
- Waiting - Jobs that are waiting for completion of pre-dependencies (Hourly Cycle, Nightly Cycle, External Dependency and Inter-Schedule Predecessor Jobs).

The chart also shows the actual number of batch jobs in each of the status bins listed above.

## Batch Jobs

| Job Run Status | Job                                | Job Name                 | Job End Time | Job Run Time | Parameters          | Dependent Job Exceptions |
|----------------|------------------------------------|--------------------------|--------------|--------------|---------------------|--------------------------|
| LOADED         | ALLOCBT_JOB                        | allocbt.ksh              |              |              | allocbt.ksh #Sys... |                          |
| LOADED         | ASYNC_JOB_STATUS_RETRY_CLEANUP_JOB | async_job_status_rety... |              |              | async_job_statu...  |                          |
| LOADED         | BTCHCYCL_POST_JOB                  | prepost                  |              |              | prepost #SysOp...   |                          |
| LOADED         | CCPRG_JOB                          | ccnm                     |              |              | ccnm #SysOnt...     |                          |

The All Batch Jobs section lists all the batch jobs and their statuses. The table displays the following information:

- Job
- Job Name
- Job Run Status
  - Possible run statuses are:
    - Pending
    - Completed
    - Hold
    - Skipped
    - Running
    - Failed
    - Disabled
    - System Held
    - Skipped on Error
- Job Run Time
- Job End Time

- Parameters
- Dependent Job Exceptions

The Dependent Batch Exceptions column indicates whether or not a dependent batch exists. This field displays the parent job in exception status, such as ERROR or HOLD.

Additionally, the following optional columns are available and can be managed in the View Menu by selecting **Columns > Manage Columns**.

- Job Description
- Job Wrapper Name
- Previous Job Run Time (in seconds)
- Average Run Time (in seconds) - Average run time for the batch job for the last month
- Job Start Time
- Process
- Process Status
- Operational Notes
- Application
- Job Waiting? - Waiting indicator
- Wait Reason
- Wait Time (In Seconds)

| Job Run Status | Job                 | Job Description    | Job Name           | Job Wrapper Name | Previous Job Run Time (in seconds) | Average Run Time (in seconds) | Job Start Time | Job End Time | Job Run Time | Parameters          | Dependent Job Exception | Process | Process Status | Operation Notes | Application | Job Waiting? | Wait Reason | Wait Time (In Seconds) |
|----------------|---------------------|--------------------|--------------------|------------------|------------------------------------|-------------------------------|----------------|--------------|--------------|---------------------|-------------------------|---------|----------------|-----------------|-------------|--------------|-------------|------------------------|
| LOADED         | ALLOCST_JOB         | Creates back tr... | allocst.ksh        | mmswap_shel.ksh  |                                    | 0                             |                |              |              | allocst.ksh #5ys... | ALLOCST_PRO...          | LOADED  | RMS            | No              |             | No           |             |                        |
| LOADED         | ASYNC_JOB_STATUS... | Cleans up the R... | async.job_statu... | mmswap_shel.ksh  |                                    | 1                             |                |              |              | async.job_statu...  | ASYNC_JOB_S...          | LOADED  | RMS            | No              |             | No           |             |                        |
| LOADED         | BTCHVCL_POST_JOB    | Enables the DB ... | prepost            | mmswap.ksh       |                                    | 0                             |                |              |              | prepost #5ysOp...   | END_BATCH_P...          | LOADED  | RMS            | No              |             | No           |             |                        |
| LOADED         | CCPRG_JOB           | Removes old co...  | ccprg              | mmswap.ksh       |                                    | 1                             |                |              |              | ccprg #5ysOp...     | CCPRG_PRO...            | LOADED  | RMS            | No              |             | No           |             |                        |
| LOADED         | CMPPRG_JOB          | Purges complet...  | cmpprg             | mmswap.ksh       |                                    | 1                             |                |              |              | cmpprg #5ysOp...    | CMPPRG_PRO...           | LOADED  | RMS            | No              |             | No           |             |                        |
| LOADED         | ONTROB_JOB          | Creates replent... | ontrodb            | mmswap_multi...  |                                    | 0                             |                |              |              | ontrodb #5ysOp...   | REPLENISHME...          | LOADED  | RMS            | No              |             | No           |             |                        |
| LOADED         | ONTROB_POST_JOB     | Updates SYSTE...   | prepost            | mmswap.ksh       |                                    | 0                             |                |              |              | prepost #5ysOp...   | REPLENISHME...          | LOADED  | RMS            | No              |             | No           |             |                        |

### Batch Jobs - Actions Menu and Icons

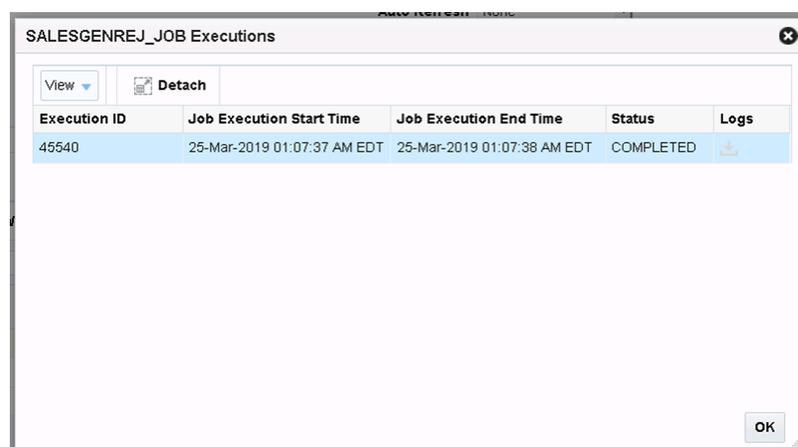
Use the Actions Menu and icons to apply actions to the table. You can perform the actions listed below.

**Table 2-1 Batch Jobs - Actions Menu/Icons and Description**

| Actions Menu/Icons                       | Description  |
|--|--|
| Export to Excel and Export to Excel icon | You can export the records in the table to a Microsoft Excel spreadsheet by selecting <b>Actions &gt; Export to Excel</b> or by using the Export to Excel icon .   |
| View Audit Trail                         | Opens the View Audit Trail window.<br><br>This option is to see the applications logs. Any user added comments, actions taken, communications between JOS, POM, and so on will be viewed here.<br><br>Click <b>OK</b> to close the View Audit Trail window.<br><br>Not available in the Dependencies and External Associations sections. |

**Table 2–1 (Cont.) Batch Jobs - Actions Menu/Icons and Description**

| Actions Menu/Icons   | Description   |
|--|---|
| View Cycle History   | <p>Opens the View Cycle History window.</p> <p>This option is only enabled for intraday cycles to view execution logs for the job across the different enabled intraday cycles.</p> <p>Click <b>OK</b> to close the View Cycle History window.</p> <p>Not available in the Dependencies and External Associations sections.</p> |
| View Job Executions  | <p>Opens the &lt;JOB_NAME&gt; Executions window.</p> <p>This option is to view all the executions of a Job for the current Scheduler Day.</p> <p>Click <b>OK</b> to close the &lt;JOB_NAME&gt; Executions window.</p> <p>Not available in the Dependencies and External Associations sections.</p>                              |
| Refresh icon  | <p>Use the Refresh icon  to update the records in the table.</p> <p>Not available in the Dependencies and External Associations section.</p>  |
| Wrap icon     | <p>You can wrap the values in the table column by first clicking the column on which you would like the text to wrap and then using the Wrap icon .</p> <p>Not available in the Dependencies and External Associations section.</p>           |



### Batch Jobs - View Menu and Icons

You can customize the view of the table by using the options in the View Menu.

**Table 2–2 Batch Jobs - View Menu/Icons and Description**

| View Menu/Icons  | Description   |
|--|---|
| Columns  | You can manage which of the columns will be shown in the table by clicking the <b>Show All</b> and <b>Manage Columns</b> options.   |
| Detach and Detach icon  | You can view the tables in the application in a separate window by clicking <b>Detach</b> or by using the Detach icon  . |

**Table 2–2 (Cont.) Batch Jobs - View Menu/Icons and Description**

| View Menu/Icons  | Description   |
|--|---|
| Sort   | You can sort columns by the following options: <ul style="list-style-type: none"> <li>Ascending</li> <li>Descending</li> <li>Advanced</li> </ul>  |
| Reorder Columns  | You can reorder columns by clicking the <b>Reorder Columns</b> option.  |
| Query by Example and Query by Example icon  | You can filter the items by one or multiple column values by clicking the <b>Query by Example</b> option or by using the Query by Example icon  . Not available in the All External Dependencies, All Inter-Schedule Dependencies, All Callbacks and All Execution Links sections. |

## Dependencies

The Dependencies section contains post and pre-dependencies for any row selected in the Batch Jobs section. The dependencies are displayed at a batch job level. The table displays the name of the batch job, the dependency type and the status of the batch job for the current day's run, as well as the **Dependency Enabled** checkbox.

The **Dependency Enabled** checkbox indicates whether the dependency was respected or bypassed in the current day's run.



| Batch Job                               | Dependency Type | Dependency Status | Dependency Enabled                  |
|---|-----------------|-------------------|-------------------------------------|
| QUARTERLY_SEEDING_BATCH_MILE_MARKER_JOB | POST            | PENDING           | <input checked="" type="checkbox"/> |
| FACTCLOSE_JOB                           | PRE             | PENDING           | <input checked="" type="checkbox"/> |

### Dependencies - Actions Menu and Icons

Use the Actions Menu and icons to apply actions to the table, see [Table 2–1, "Batch Jobs - Actions Menu/Icons and Description"](#) for more information.

### Dependencies - View Menu and Icons

You can customize the view of the table by using the options in the View Menu, see [Table 2–2, "Batch Jobs - View Menu/Icons and Description"](#) for more information.

## External Associations

The External Associations section lists external batch job dependencies and inter-schedule dependencies. External Dependencies are identified by the Dependency Type External Dependency.

The External Associations section also lists the Jobs from one Schedule that are dependent on Jobs from another Schedule stored in the same POM instance. Inter-Schedule Dependencies are identified by the Dependency Type Inter-Schedule Dependency.

The External Associations section also lists the Jobs of one Schedule that are linked to the external source Schedules and that need to be triggered subsequently after the completion of the Process/Job from the source Schedule. These are identified by the Dependency Type Execution Link.

The External Associations table displays the external job, Dependency Type, External Process, External Schedule Name, the external dependency status, as well as the **External Dependency Enabled** checkbox.

### External Associations - Actions Menu and Icons

Use the Actions Menu and icons to apply actions to the table, see [Table 2-1, "Batch Jobs - Actions Menu/Icons and Description"](#) for more information.

### External Associations - View Menu and Icons

You can customize the view of the table by using the options in the View Menu, see [Table 2-2, "Batch Jobs - View Menu/Icons and Description"](#) for more information.

| External Job        | Dependency Type     | External Process | External Schedule Name | External Dependency Status | External Dependency Enabled |
|---------------------|---------------------|------------------|------------------------|----------------------------|-----------------------------|
| ORASE_EXT_DEP_JOB_1 | External Dependency |                  |                        | PENDING                    | <input type="checkbox"/>    |
| ORASE_EXT_DEP_JOB_2 | External Dependency |                  |                        | PENDING                    | <input type="checkbox"/>    |
| GENLOGFILESDE_JOB   | Execution Link      | SETUP_PROCESS    | RDE                    | PENDING                    | <input type="checkbox"/>    |

## Execution Engine

**Execution Engine**

**Execution Engine Status** ACTIVE

**Schedule Execution Status** Enabled

[View Execution Requests](#)

Execution Engine is a component in POM that orchestrates the batch job run instead of the JOS Process Flow component through JOS Job Admin. Job Admin communicates with POM using the Execution Engine services.

Any batch run in POM will be an execution request to the execution engine which handles that request appropriately and display the progress / status update till its completion using Execution Engine services.

Execution engine provides a feature called Scheduled Execution to pause/ suspend the execution of a particular schedule if required. When a schedule is suspended, execution engine will not run any new jobs until execution is re-enabled.

The Execution Engine section is always displayed to display the status of Execution Engine & Schedule Execution.

The Execution engine status could be one of the below -

- **ACTIVE:** When the engine is active and is processing execution requests

- **INACTIVE:** When the engine is idle and doesn't have any more execution requests pending.
- **SHUTDOWN:** When the engine is not running.

---

**Note:** The Execution engine instance is not specific to any one schedule, it's a shared service that manages the runs of all schedules installed on this POM instance.

---

The Schedule Execution status is specific to the displayed schedule on the monitor screen.

The possible statuses are below -

- **Enabled:** It denotes the job executions could happen for this schedule via execution requests.
- **Suspended:** It denotes the job execution is temporarily suspended for this schedule.

There is also an action button - **View Execution Requests** which displays the list of execution requests along with corresponding details in a popup like below.

The screenshot shows a 'View Execution Requests' popup window. It contains a table with the following data:

| Execution ID | Status | Cycle   | Flow    | Request Type | Total Jobs | Completed | Pending | Skipped | Failed |
|--------------|--------|---------|---------|--------------|------------|-----------|---------|---------|--------|
| 91           | LOADED | Nightly | Nightly | MANUAL_RUN   | 1          | 0         | 0       | 0       | 1      |
| 92           | LOADED | Nightly | Nightly | MANUAL_RUN   | 1          | 0         | 0       | 0       | 1      |

Below the table is a 'Details' section for Execution ID 91:

| Job Run ID | Status | Job Name       | Process Name   | Job Execution ID | Error Info   |
|------------|--------|----------------|----------------|------------------|--|
| 64926      | ERROR  | ANAYLZE_TEM... | ANALYZE_TEM... |                  | Job Admin call failed : Unexpected char 60 at (line no=1, column no=1, offset=0) |

In this popup, we will see a master-detail table view where the master table shows the list of Execution requests made so far in the current schedule along with the stats related to that request.

The below detail table shows the Execution request detail like how many jobs are involved as part of the above selected execution request along with other stats related to the job like we see in the image above.

If there is no execution requests created for the current scheduler day yet then we will get an informative popup like below.

The screenshot shows an 'Information' popup window with the following text:

There are no execution requests available for the current scheduler day

OK

## All External Dependencies

| All External Dependencies          |                     |  |   |         |
|------------------------------------|---------------------|--|---|---------|
| Actions ▾                          | View ▾              |  Detach |  |         |
| Job                                | External Job        | Status   | Blocking  | Enabled |
| <a href="#">DTESYS_JOB</a>         | ItemHdrAndUdalt...  | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | ItemHdrAndMerc...   | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | ItemHdrAndMerc...   | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | Inventory_Tx_Pr...  | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | Inventory_Tx_Fil... | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | InvcMlchFin_Tx...   | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | InvcMlchAp_Tx...    | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | FinGenLdgr_Tx...    | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | Diff_Fnd_Proces...  | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | Diff_Fnd_FileCr...  | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | CurrConvRates_...   | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | CurrConvRates_...   | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | Clearance_Tx_P...   | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | Calendar_Fnd_...    | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | Calendar_Fnd_...    | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | Brand_Fnd_Pro...    | PENDING  | No  | Yes     |
| <a href="#">DTESYS_JOB</a>         | Brand_Fnd_File...   | PENDING  | No  | Yes     |
| <a href="#">RMSE_AIP_STORE_JOB</a> | RDE_External_Job    | PENDING  | Yes (72 sec)  | Yes     |

The All External Dependencies section is always displayed because External Dependencies are at the schedule level.

The All External Dependencies section lists all the external batch job dependencies for the entire current Schedule provided the system level external dependencies indicator is turned on.

The All External Dependencies table displays the Job, External Job, Status, Blocking and Enabled fields.

Clicking on the **Job** hyperlink will highlight the corresponding row in the Batch Jobs table.

The Blocking field indicates the time (in seconds) the Job started waiting for the external dependency to complete.

### All External Dependencies - View Menu and Icons

You can customize the view of the table by using the options in the View Menu, see [Table 2–2, "Batch Jobs - View Menu/Icons and Description"](#) for more information.

## All Inter-Schedule Dependencies

| All Inter-Schedule Dependencies  |                   |                 |         |               |         |
|--|-------------------|-----------------|---------|---------------|---------|
| Actions ▾ View ▾   |                   |                 |         |               |         |
| Job  | External Schedule | External Job    | Status  | Blocking      | Enabled |
| <a href="#">DELETE_TAB_STAT...</a>   | RDE               | RTLREZIP_JOB    | PENDING | No            | Yes     |
| <a href="#">SAPURGE_JOB</a>  | RDE               | RTLUAEXTERN...  | PENDING | No            | Yes     |
| <a href="#">SCCEXT_JOB</a>   | RDE               | CSTISLDSDE_JOB  | PENDING | No            | Yes     |
| <a href="#">START_BATCH_JOB</a>  | RDE               | GENLOGFILES...  | PENDING | No            | Yes     |
| <a href="#">START_RIB_ADAPT...</a>   | RDE               | PRICEZONESDE... | PENDING | No            | Yes     |
| <a href="#">START_RIB_ADAPT...</a>   | RDE               | PRICEZONESDE... | PENDING | Yes (118 sec) | Yes     |

The All Inter-Schedule Dependencies section is always displayed since the Inter-Schedule Dependencies are at schedule level.

The All Inter-Schedule Dependencies section lists all the inter-schedule batch job dependencies for the entire current Schedule provided the system level inter-schedule dependencies indicator is turned on.

The All Inter-Schedule Dependencies table displays the Job, External Schedule, External Job, External Process, Status, Blocking and Enabled fields.

Clicking on the **Job** hyperlink will highlight the corresponding row in the Batch Jobs table.

The Blocking field indicates the time (in seconds) the Job started waiting for the inter-schedule dependency to complete.

### All Inter-Schedule Dependencies - View Menu and Icons

You can customize the view of the table by using the options in the View Menu, see [Table 2–2, "Batch Jobs - View Menu/Icons and Description"](#) for more information.

## All Callbacks

| All Callbacks  |           |                             |                             |  |
|--|-----------|-----------------------------|-----------------------------|--|
| Actions ▾ View ▾   |           |                             |                             |  |
| Job  | Status    | Last Updated Date           | Created Date                |  |
| <a href="#">ASO_POG_EQUIPMENT_EXPORT_JOB</a>   | COMPLETED | 17-Apr-2019 07:32:35 AM EDT | 17-Apr-2019 07:28:18 AM EDT |  |
| <a href="#">ASO_ASSORT_EXPORT_JOB</a>  | COMPLETED | 17-Apr-2019 07:32:35 AM EDT | 17-Apr-2019 07:27:58 AM EDT |  |
| <a href="#">ASO_CREATE_POGSET_LOC_PROC_JOB</a>   | COMPLETED | 17-Apr-2019 07:32:35 AM EDT | 17-Apr-2019 07:27:50 AM EDT |  |
| <a href="#">ASO_ASSORT_CM_EXPORT_JOB</a>   | COMPLETED | 17-Apr-2019 07:32:35 AM EDT | 17-Apr-2019 07:28:01 AM EDT |  |
| <a href="#">ASO_POG_PROD_POS_EXPORT_JOB</a>  | COMPLETED | 17-Apr-2019 07:32:35 AM EDT | 17-Apr-2019 07:28:34 AM EDT |  |
| <a href="#">ASO_POG_SKU_DTL_EXPORT_JOB</a>   | COMPLETED | 17-Apr-2019 07:32:35 AM EDT | 17-Apr-2019 07:28:35 AM EDT |  |
| <a href="#">ASO_POG_ASSORT_EXPORT_JOB</a>  | COMPLETED | 17-Apr-2019 07:32:35 AM EDT | 17-Apr-2019 07:28:07 AM EDT |  |
| <a href="#">ASO_POG_LOC_EXPORT_JOB</a>   | COMPLETED | 17-Apr-2019 07:32:35 AM EDT | 17-Apr-2019 07:28:23 AM EDT |  |
| <a href="#">ASO_EXPORT_END_JOB</a>   | COMPLETED | 17-Apr-2019 07:32:35 AM EDT | 17-Apr-2019 07:28:46 AM EDT |  |
| <a href="#">ASO_DATA_INT_GLOBAL_VAL_SMRY_EXPO...</a>   | COMPLETED | 17-Apr-2019 07:32:35 AM EDT | 17-Apr-2019 07:28:40 AM EDT |  |

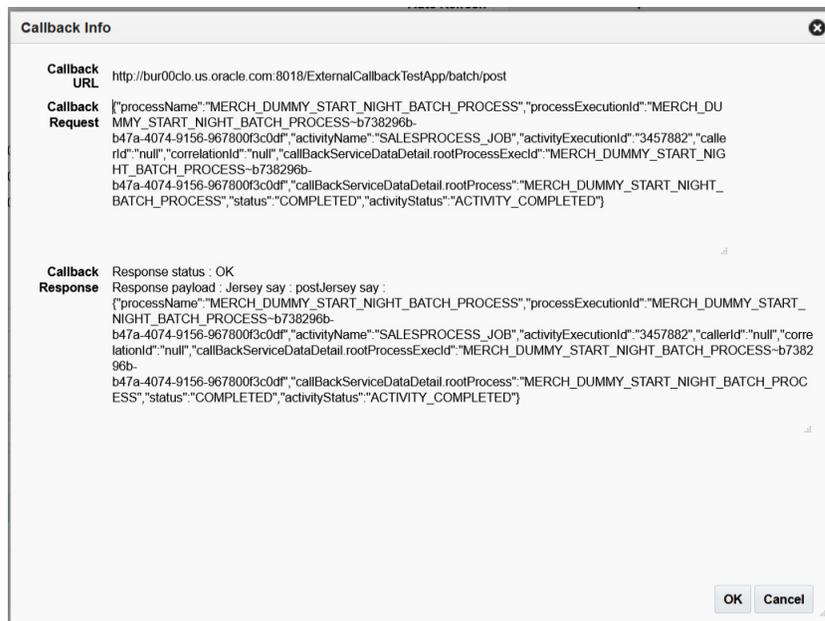
The All Callbacks section is always displayed since callbacks are displayed at the schedule level.

The All Callbacks section lists all the external status update request and response callbacks based on the External Status Update mode set in the External System Configuration screen.

The All Callbacks table displays the Job, Status, Last Updated Date and Created Date fields.

Clicking on the **Job** hyperlink will highlight the corresponding row in the Batch Jobs table.

Clicking on the **Status** hyperlink [COMPLETED or FAILED] will open the "Callback Info" popup that shows the Callback URL configured in External System Configuration screen, Request Payload and Response Payload.



## All Callbacks - View Menu and Icons

You can customize the view of the table by using the options in the View Menu, see [Table 2–2, "Batch Jobs - View Menu/Icons and Description"](#) for more information.

## Batch Monitoring Toolbar

The toolbar contains the following icons and buttons.

**Table 2–3 Batch Monitoring Toolbar - Icons/Buttons and Description**

| Icons/Buttons | Description                            |
|---------------|--|
| Done          | Click <b>Done</b> to close the window. |

## All Execution Links

| All Execution Links         |                   |                |                    |           |
|-----------------------------|-------------------|----------------|--------------------|-----------|
| Actions ▾ View ▾            | Detach            |                |                    |           |
| Job                         | Triggered Process | Triggered Job  | Triggered Schedule | Status    |
| ORASE_BATCH_MILE_MARKER_JOB | SETUP_PROCESS     | GENLOGFILES... | RDE                | COMPLETED |

All Execution Links section is always displayed since links are displayed at the schedule level.

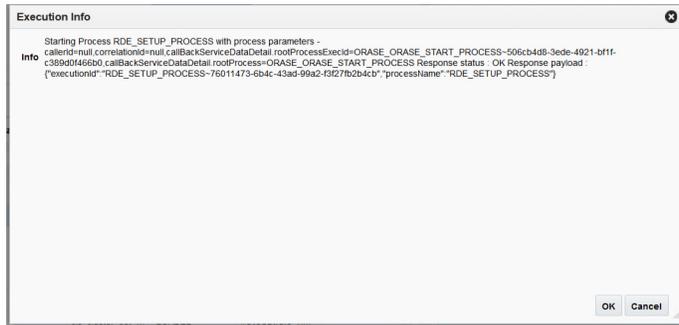
All Execution Links section lists the Jobs of one Schedule that are linked to the external source Schedules and that need to be triggered subsequently after the completion of the Process/Job from the source Schedule.

All Execution Links table displays the Job, Triggered Process, Triggered Job, Triggered Schedule and Status.

Clicking on the **Job** hyperlink will highlight the corresponding row in the Batch Jobs table.

Clicking on the **Status** hyperlink will open the “Execution Info” popup that shows the Process parameters and the response payload of the triggered Process in case of status 'Completed' or 'Failed'.

Whereas for the status - 'Skipped', the popup shows the reason for being skipped.



### All Execution Links - View Menu and Icons

You can customize the view of the table by using the options in the View Menu, see [Table 2–2, "Batch Jobs - View Menu/Icons and Description"](#) for more information.

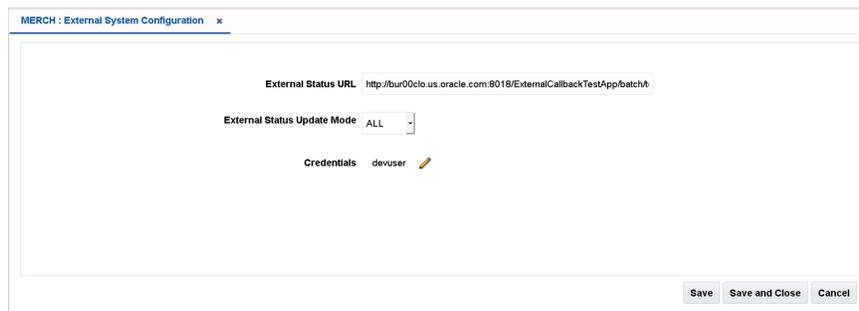
## External System Configuration

To access the External System Configuration window from the Tasks menu, select **<Schedule> -> Administration -> External System Configuration**.

The External System Configuration screen allows the users to modify the following properties of the External System:

1. External Status URL
2. External Status Update Mode
3. External System Credentials

To access the External System Configuration window from the Tasks menu, select **Administration -> External System Configuration**. The External System Configuration appears.



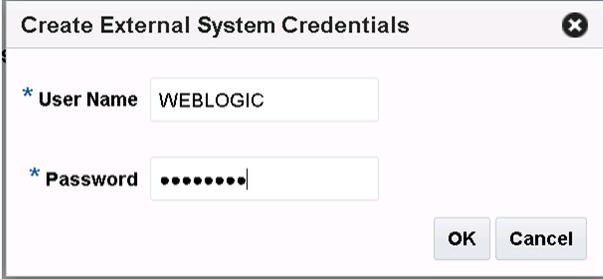
### Configuring System Wide External URL and Status Update Mode

1. Open External System Configuration screen from sidebar

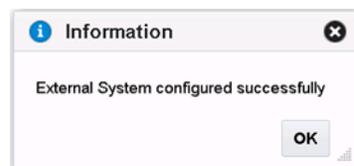
2. Specify **External Status Update URL** to configure the ReST service URL where status updates should be sent. Updates will be sent using HTTP POST method.
3. Specify system wide **External Status Update** mode to `NONE/FAILED/ALL`. This will be compared against Job level modes to decide whether to send a status update for a job or not.
4. Click on **Save** to save the changes or click on **Save and Close** to save the changes and close the screen.
5. A basic authentication is enabled for the External Status Update Rest Service End point where status updates are sent to the external system from POM. The credentials are configured in Enterprise Manager Console of WebLogic domain where POM is deployed. Below are the details of credentials
  1. **Map name:** `External.oracle.retail.apps.poam.app.external`
  2. **Alias name:** `{SCHEDULENAME}.externalstatusupdatealias`  
For example, `RDE.externalstatusupdatealias`, or `MERCH.externalstatusupdatealias`
  3. **Credential type:** `password`

## Creating or Modifying External System Credentials in WebLogic

1. Open the External System Configuration screen from the sidebar.
2. If the External System Credential has not previously been created, click on plus (+) icon to create it. Otherwise click the edit icon to modify it.
3. Enter **User Name** and **Password** of the External System in the Create External System Credentials popup window.



4. Click **OK** to create or modify the credentials in the WebLogic instance.



## Mail Notifications

POM leverages the Retail Platform Notification facility and e-mail capabilities to issue alerts to users regarding specific instances during batch operations. Mail notifications are sent when a Job fails and when the nightly cycle completes based on the configured mail addresses.

## Nightly Cycle Summary Report Mail Notification


 Mon 11/4/2019 3:43 PM  
 raf-system\_us  
 [Customer: POMCustomerName, Env: nsh00dls.us.oracle.com] RI Schedule, Nightly Cycle Summary, for 13-SEP-19

 If there are problems with how this message is displayed, click here to view it in a web browser.

**ORACLE**

Execution summary for business date 13-SEP-19

 **Status: Complete**

| POM EOD Summary          |                      | Job Results      |     | 9 Jobs Errored               |  |
|--------------------------|----------------------|------------------|-----|------------------------------|--|
| Total Execution Time     | 12.72 min            | Successes        | 636 | W_INT_ORG_D_CFA_JOB          |  |
| Average Execution Time   | 441.43 min           | Errors           | 9   | W_PRODUCT_ATTR_D_JOB         |  |
| Total Job Execution Time | 2.08 min             | Skipped          | 9   | W_RTL_CDT_ORG_MTX_D_JOB      |  |
| Total POM Wait Time      | 10.63 min            | Skipped on Error | 0   | W_RTL_SUPPLIER_TRAIT_D_JOB   |  |
| Cycle Start Time         | 04-NOV-19 / 04:55:25 |                  |     | W_RTL_CLSTR_GRP_HDR_LC_D_JOB |  |
| Cycle End Time           | 04-NOV-19 / 05:08:08 |                  |     |                              |  |

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The Nightly Cycle Summary report shows the snapshot of the entire Nightly Cycle run. It includes metrics for averages and total execution times, POM idle time, cycle start and end time, and so on. The report also includes the number of Jobs completed, failed, skipped, and skipped on error.

## Job Error/Skipped On Error Mail Notification


 Mon 3/11/2019 10:19 PM  
 raf-system\_us  
 [Customer: POMCustomerName, Env: devlin3] ORASE Schedule, DT\_AO\_RUN\_GRP\_PROD\_STG\_JOB SKIPPED\_ON\_ERROR, for 21-FEB-19

Message

**ORACLE**

SKIPPED\_ON\_ERROR occurred on Mon Mar 11 08:23:38 EDT 2019

 **ORASE Schedule SKIPPED\_ON\_ERROR for 21-FEB-19**  
[DT\\_AO\\_RUN\\_GRP\\_PROD\\_STG\\_JOB SKIPPED\\_ON\\_ERROR](#)

Job Execution ID:17538.

Job Description: DT\_AO\_RUN\_GRP\_PROD\_STG\_JOB

[View in POM](#)

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The Error report shows the Job name that failed along with the corresponding Job Execution ID, Job Description, and the time the Job failed/skipped on error.

From: [redacted] Sent: [redacted]

To: [redacted]

Cc: [redacted]

Subject: [redacted] RSP Schedule, ORASE\_START\_BATCH\_JOB Failed, for [redacted]

**ORACLE**

ERROR occurred on [redacted]

 **RSP Schedule Failed for [redacted]**  
[ORASE\\_START\\_BATCH\\_JOB](#) Failed

Job Execution ID: Not available because the Job failed before being submitted to Job Admin  
 Job Description: ORASE\_START\_BATCH\_JOB

**Note:** This type of failure is caused by a technical issue such as a communication failure. It is possible that POM automatically recovers from this failure.

[View in POM](#)

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POM send an error notification email if a technical issue in POM causes a job to fail before it is submitted to Job Admin.

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**Note:** Some job failures may be caused by a technical issue such as a communication failure.

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It is possible that POM automatically recovers from these types of failures. While checking the status back in POM, if the Job is not in an ERROR state, the status was reconciled by POM automatically, and no further action is required. If the Job is still in an ERROR state, it requires manual intervention to fix the technical issues.

