

Oracle® Retail Process Orchestration and Monitoring

JET UI User Guide

Release 19.1

F32240-02

March 2021

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Oracle Retail Process Orchestration and Monitoring User Guide, Release 19.1

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document.

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?
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Send your comments to us using the electronic mail address: retail-doc_us@oracle.com

Please give your name, address, electronic mail address, and telephone number (optional).

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If you require training or instruction in using Oracle software, then please contact your Oracle local office and inquire about our Oracle University offerings. A list of Oracle offices is available on our Web site at <http://www.oracle.com>.

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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<https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- 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, 19.0) or a later patch release (for example, 19.0.1). 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.

Improved Process for Oracle Retail Documentation Corrections

To more quickly address critical corrections to Oracle Retail documentation content, Oracle Retail documentation may be republished whenever a critical correction is needed. For critical corrections, the republication of an Oracle Retail document may at times not be attached to a numbered software release; instead, the Oracle Retail document will simply be replaced on the Oracle Technology Network Web site, or, in the case of Data Models, to the applicable My Oracle Support Documentation container where they reside.

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<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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Oracle Retail Documentation on the Oracle Technology Network

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

(Data Model documents are not available through Oracle Technology Network. You can obtain them through My Oracle Support.)

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	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.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Common User Interface Controls

Oracle Retail applications, such as the Oracle Retail Process Orchestration and Monitoring (POM) 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](#)
- [Table Menu Options](#)
- [Logging Out of the Application](#)

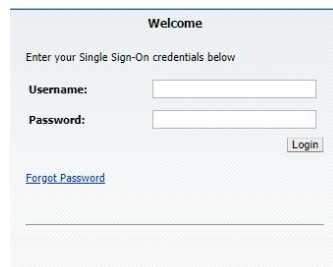
Logging on to the Application

To log on to the application:

1. Go to the URL for the application in a web browser.

The Welcome Screen opens.

Figure 1–1 Welcome Screen



2. Provide the following login information:
 - a. Enter your user name in the **Username** field.

- b. Enter your password in the **Password** field.
3. Click **Login**.

Navigation Area

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

Figure 1–2 *Navigation Bar*



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

- [Tasks](#)
- [Notifications](#)

Tasks

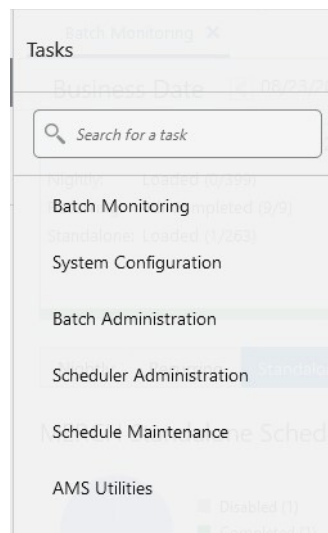
Oracle Retail applications support a variety of navigational tools and methods that allow you to move efficiently between application pages. Information on how to use and manage each of the tools and methods is included in this section.

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 application feature or process from the list.

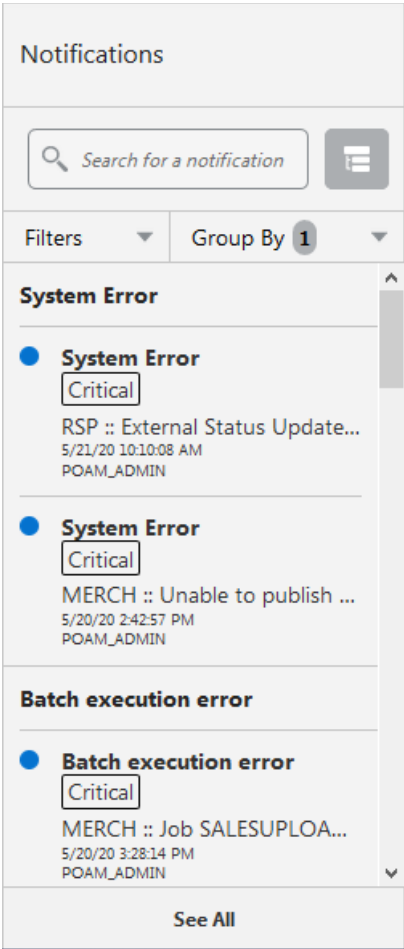
Note: Your task menu may appear slightly different, depending on your retail application.

Figure 1–3 Tasks Menu

Notifications

The Notifications option brings events within the application to your attention. See the following examples:

Figure 1–4 Notifications

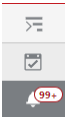


Notification Badge

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.

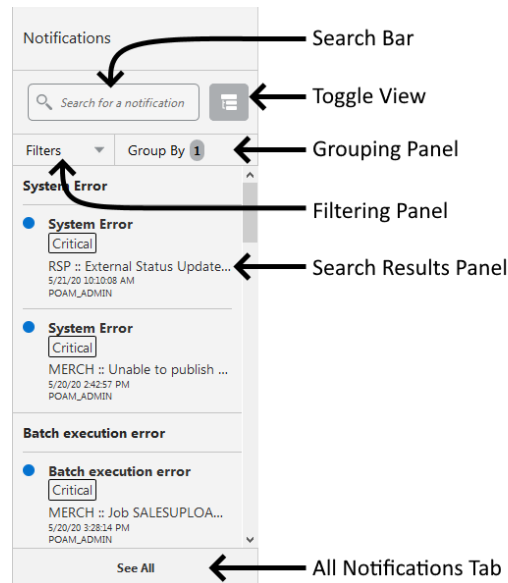
The notification count is periodically refreshed at regular intervals. This interval is determined by a system-configured value.

Figure 1–5 Notification Badge



Notification Sidebar

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

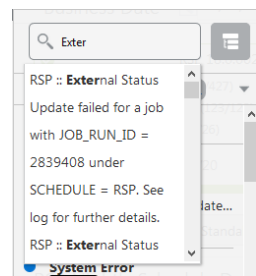
Figure 1–6 Notifications Sidebar

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 1–7 Search Bar

Filtering Panel

The Filtering Panel allows you to filter notifications based on the creation Time Period, Type and Severity.

The values for the Time Period 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 1–8 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 1–9 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 1–10 Results Panel - List View

1. Indicates that one filter was applied.
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 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.

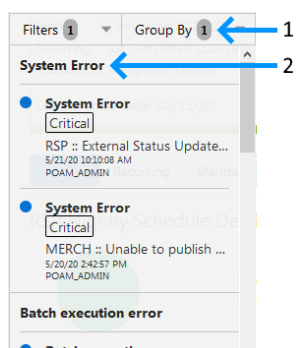
7. User name - Creator of the notification.

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 1–11 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.

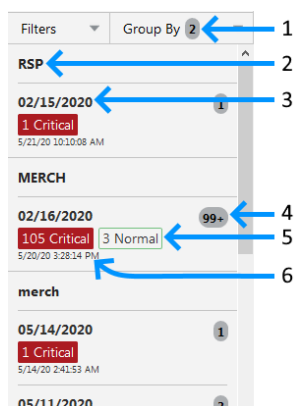
Results Panel - Summarized View

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 1–12 Results Panel - Summarized View

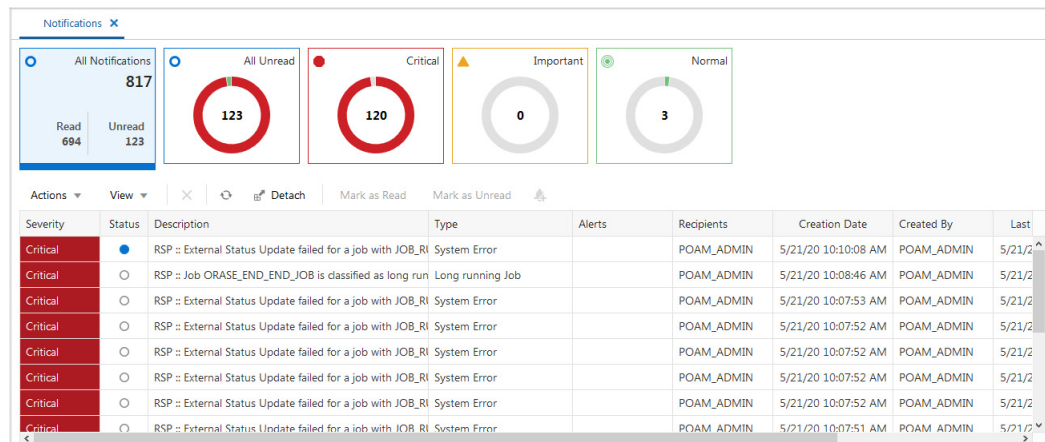


1. Indicates that both options on the Grouping Panel have been selected.
2. First level of grouping is by Schedule Name. Here the first type shown is 'RSP'.
3. The subgroup within Type 'RSP'. In this example, this is the Business Date.
4. The number of notifications within that combination of Group and 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.

Notifications Tab

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

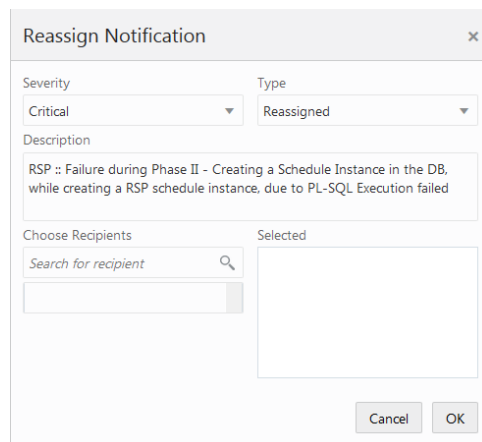
Figure 1–13 Notifications Tab



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 1–14 Reassign Notification


The dialog box titled "Reassign Notification" contains the following elements:

- Severity:** A dropdown menu currently set to "Critical".
- Type:** A dropdown menu currently set to "Reassigned".
- Description:** A text area containing the message: "RSP :: Failure during Phase II - Creating a Schedule Instance in the DB, while creating a RSP schedule instance, due to PL-SQL Execution failed".
- Choose Recipients:** A section with a search input field labeled "Search for recipient" and a magnifying glass icon.
- Selected:** An empty list box for displaying selected recipients.
- Buttons:** "Cancel" and "OK" buttons at the bottom right.

The All Notifications table displays the following columns:

- **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.
- **Alerts** -
- **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.

Table Menu Options

Note: [Figure 1–15](#), [Figure 1–16](#) 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 1–15 Actions Menu and Icons

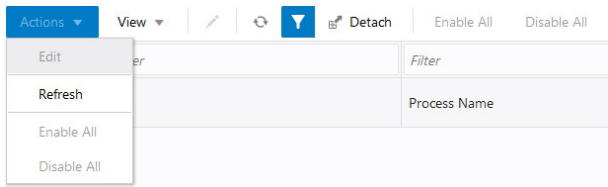








Table 1–1 Actions Menu/Icons and Descriptions

Actions Menu/Icon	Description
Refresh and Refresh icon 	Select Actions > Refresh or the Refresh icon  to update the records in the table.
Filter icon 	Select the Filter icon  to open fields that will filter the results. Use the filter fields to only show the rows matching or containing the entered information.
Detach and Detach Icon 	Select Actions > Detach or the Detach icon  to open the table in a separate window.

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 1–16 View Menu

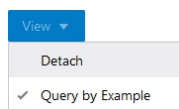






Table 1–2 View Menu/Icons and Descriptions

View Menu List	Description
Detach and Detach icon 	You can view the tables in the application in a separate window by selecting View > Detach or by using the Detach icon  .
Query by Example	You can filter the items by one or multiple column values by selecting View > Query by Example .

Screen Level Action - Icons and Buttons

The screen level actions display the icons and buttons.

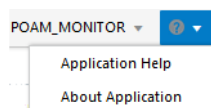
Table 1–3 Screen Level Action - Icons/Buttons and Description

Icons/Buttons	Description
Close window 	Click the  icon to close the window.

Application Help and About Application Links

Use the Help list menu on the top right of the window, to open tabs for Application Help or About Application.

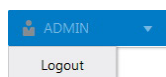
Figure 1–17 Application Help Menu



Logging Out of the Application

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

Figure 1–18 Logging Out of the Application



Process Orchestration and Monitoring

The Process Orchestration and Monitoring (POM) application is a user interface for scheduling, tracking and managing batch jobs.

Process Orchestration and Monitoring has the following tabs:

- [Batch Monitoring](#)
- [System Configuration](#)
- [Batch Administration](#)
- [Scheduler Administration](#)
- [Schedule Maintenance](#)
- [AMS Utilities](#)

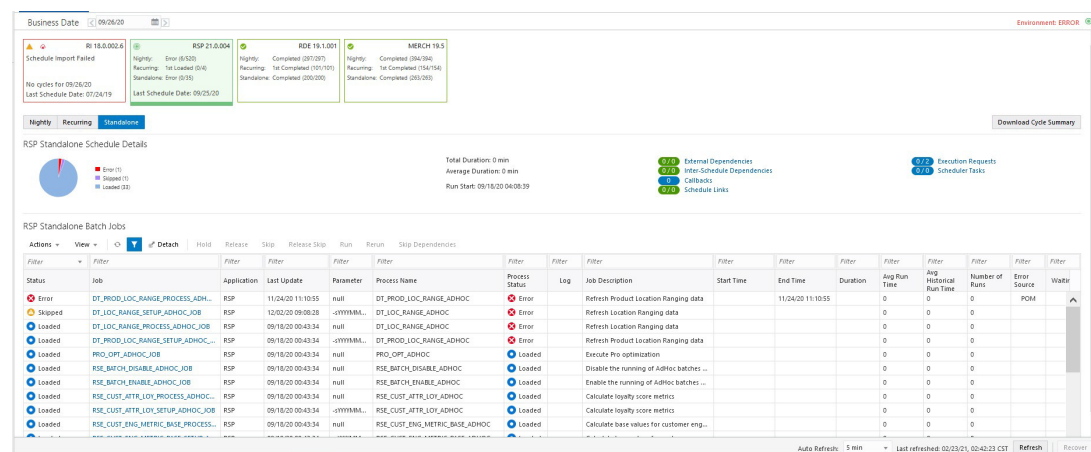
Batch Monitoring

The Batch Monitoring tab provides a runtime view of the statuses and dependencies with regard to the different batch cycles for the selected business day.

Select **Batch Monitoring** in the [Navigation Area](#) to open the Batch Monitoring tab.

The application will by default open for a business date where at least one schedule is active. If none found, it will open for the most recent business date where at least one schedule is active.

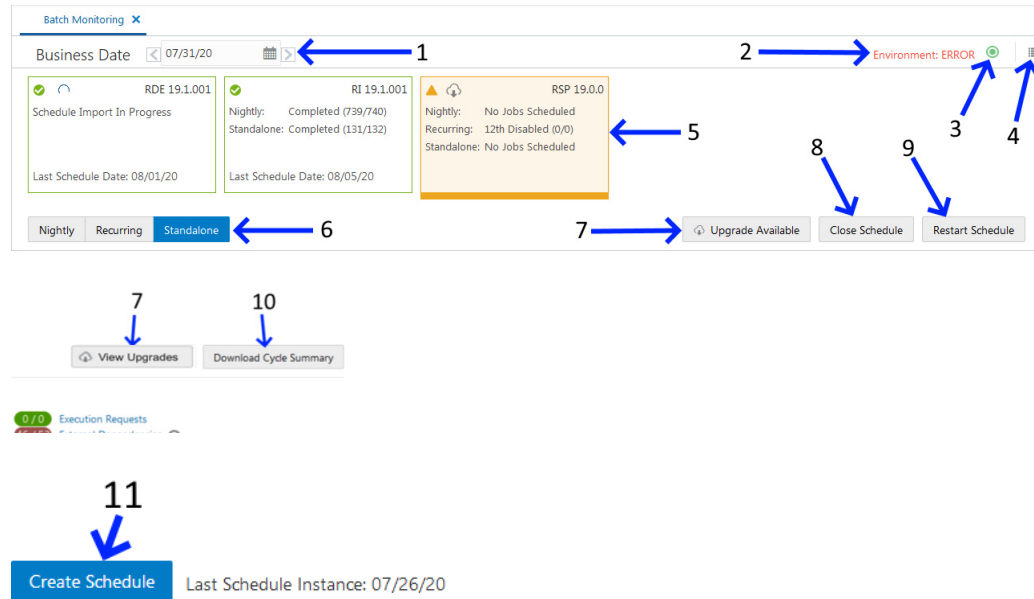
Figure 2-1 Batch Monitoring



Header

The header displays information about the batches displayed in the Batch Monitoring tab. You can also use the header selection to choose which schedule batches to display.

Figure 2–2 Batch Monitoring Header



1. **Business Date** - Displays the business date for the oldest schedules displayed in Batch Monitoring.
Use this field to select the oldest schedule displayed in Batch Monitoring.
2. **Environment Status** - If there is an error in an environment, this field will show an ERROR status. Click this link to expand the right hand Status panel

Note: An error in this field does not necessarily mean that the system is not working. For example, it will show an error if a schedule has an error, or if a batch is not working.

3. **Environment Status Icon** - Also displays the status of the environment.
Click this icon to show the status of the Scheduler, Execution Engine and the environments, or to manage the information displayed. See "[Status](#)" for more information.
4. **Activity Feed** - Click this icon to display a panel at the right side of the screen containing activities performed by the system and by the user.
5. **Environments** - Displays information about each environment integrated with Process Orchestration and Monitoring.
Select one of these panels to display information about that environment's batch processes.
6. **Monitoring Cycle** - Displays the monitoring cycle of the batches displayed.
Select a monitoring cycle to see the batches scheduled for that cycle. The following monitoring cycles are available:

- Nightly
 - Recurring
 - Standalone
7. **Upgrade Available** - Use this button to navigate to the Schedule Maintenance screen for the option to upgrade the batch schedule to a new version. This button only appears when there is a new version of the schedule available and there is no upgrade in progress or in error. When an upgrade is in progress or in error, the button caption changes to **View Upgrades** which also navigates the user to the Schedule Maintenance screen.
 8. **Close Schedule** - Use this button to close the schedule. This button only appears for Active schedules.
 9. **Restart Schedule** - Use this button to restart the schedule. This button only appears for Active schedules.
 10. **Download Cycle Summary** - Use this button to download a summary for the currently selected business day for the selected schedule. Once clicked, the [Download Cycle Summary](#) dialog provides the user options to select the cycle and format. This button only appears for Completed schedules.
 11. **Create Schedule** - Use this button to create a new Scheduler Day. This button only appears when a schedule tile is selected for which there is no open Scheduler Day. Click this button to create a new Scheduler Day for the selected schedule for the business date following the last schedule instance.

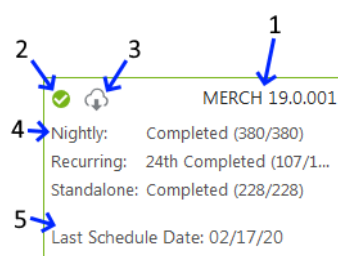
Schedule Tiles

Each schedule tile displays information for a batch schedule that POM is responsible for running.

Select a tile to display the list of batch processes for that schedule.

Each panel displays the following information:


Figure 2–3 Schedule Tile




Note:

- A red tile with a red cloud indicates that a new schedule version upgrade has failed. Navigate to the [Schedule Maintenance](#) screen by clicking on the **View Upgrades** button to address the failure.
- A blue spinner in the top left of the tile (2) indicates that the schedule is in the process of being upgraded to a new version. The user can navigate to the [Schedule Maintenance](#) screen by clicking on the View Upgrades button to check the progress of the upgrade.

When a schedule is being upgraded or when the schedule upgrade has failed, the user is prevented from most activities on the Batch Monitoring and on the Batch Administration screen.

 Some features are disabled while a schedule is being imported

 Some features are disabled while a schedule is in a failed state

- An orange tile indicates that there is no instance of the schedule for the selected business date.

1. **Schedule name and Version** - Displays the abbreviation of the application or application group and the software version.
2. **Run Status** - Displays the status of the batch processes.
 - Completed
 - Active
 - Error

3. **Schedule Upgrade** - A grey cloud indicates that a newer version of the batch schedule is available.

A red cloud indicates that schedule upgrade has failed. Navigate to the [Schedule Maintenance](#) screen to address the failure.

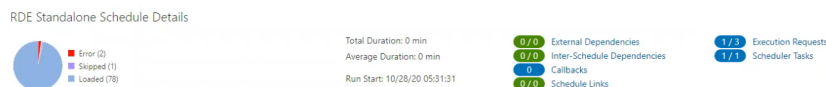
A blue spinner indicates that a schedule upgrade is in progress.

4. **Monitoring Cycles and Statuses** - Displays the number of completed and total processes for each monitoring cycle.
5. **Last Schedule Date** - Indicates the last date on which the batch processes were configured.

Batch Jobs Header

The batch jobs header displays the following information:

Figure 2–4 Batch Jobs Header



Run Status Chart

The run status chart shows a chart summary of the status of the different batches (including the number of batch jobs with that status) that are included in the selected cycle for the selected schedule. The possible statuses are:

- Loaded - Jobs are in loaded state when the scheduler day is first created.
- Pending - Job is waiting to run.
- Completed - Job ran successfully on the system.
- Error - A failure occurred due to an issue in the environment or the job's application.
- Held - An administrator placed the job on hold.
- Skipped - An administrator has skipped the running of the job so the remaining jobs in the cycle can proceed.
- Running - Job is currently running on the system.
- Long Running - The job's run time has exceeded a threshold. This threshold is calculated by multiplying the job's average run time and the Long Run Average Time Multiplier defined on the schedule Settings section of the [System Configuration](#) screen.
- Disabled - Job was disabled by an administrator on the [Batch Administration](#) screen.
- System Held - Job was placed on hold by the system due to a lack of resources to run it.
- Skipped on Error - Job was preconfigured to be skipped on a failure.
- Waiting - Job is waiting for completion of pre-dependencies (Hourly Cycle, Nightly Cycle, External Dependency and Inter-Schedule Predecessor Jobs).

Completed Batch Job Statistics

For completed batch jobs, the batch job header shows the following information:

- Run Start
- Run End
- Total Duration
- Average Duration

Active Batch Job Statistics

Note: Active Batch Job Statistics are not yet implemented. They will be implemented in a future version of POM.

For active batch jobs, the batch job header shows the following information:

- Estimated Completion Time
- Estimated Time Remaining
- Total Duration
- Average Duration

- Run Start

Batch Information

The batch information area displays the following information about the batch process results:

- **Execution Requests** - Displays the number of completed executions and the total number of execution requests. Click to open the [Execution Requests Window](#).
- **Scheduler Tasks** - Displays all tasks scheduled to run during the current scheduler day. Click to open the [Scheduler Tasks](#) window.
- **External Dependencies** - Displays the number of successful and total number of external dependencies. Click to open the [Batch Cycle Details Screen](#).
- **Inter-Schedule Dependencies** - Displays the number of successful and total number of inter-schedule dependencies. Click to open the [Batch Cycle Details Screen](#).
- **Callbacks** - Displays the number of successful and total number of callbacks. Click to open the [Batch Cycle Details Screen](#).
- **Schedule Links** - Displays the number of successful and total number of schedule links. Click to open the [Batch Cycle Details Screen](#).

Execution Requests Window

The Execution Requests window displays information about execution requests for a batch.











Click **Done** or the close window icon  to close the window.

Figure 2–5 Execution Requests Window

Execution Requests for MERCH Nightly										
Execution Requests										
Actions	View									
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
Execution ID	Status	Cycle	Flow	Scheduler Day	Total Jobs	Completed	Pending	Skipped	Failed	
316	 Loaded	Nightly	Nightly	2524	400	0	396	3	1	
Execution ID 316 Details										
Actions	View									
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
Job Run ID	Status	Job Name	Process Name	Job Execution ID	Last Update					
410082	 Loaded	ALC_SIZE_PROFILE_LOAD_JOB	ALC_SIZE_PROFILE_TRANSFORM_LOAD_PROCE...							
410084	 Loaded	ALC_SNAP_SHOT_ALLOC_IN_JOB	ALC_SNAP_SHOT_ALLOC_IN_PROCESS							
410085	 Loaded	ALC_SNAP_SHOT_ALLOC_OUT_JOB	ALC_SNAP_SHOT_ALLOC_OUT_PROCESS							
410086	 Loaded	ALC_SNAP_SHOT_CROSS_LINK_JOB	ALC_SNAP_SHOT_CROSS_LINK_PROCESS							
410087	 Loaded	ALC_SNAP_SHOT_CUST_ORD_JOB	ALC_SNAP_SHOT_CUST_ORD_PROCESS							
410088	 Loaded	ALC_SNAP_SHOT_ON_ORD_JOB	ALC_SNAP_SHOT_ON_ORD_PROCESS							
410089	 Loaded	ALC_SNAP_SHOT_SOH_JOB	ALC_SNAP_SHOT_SOH_PROCESS							
410090	 Loaded	ALC_OCBT_JOB	ALC_OCBT_PROCESS							

Execution Requests

This section displays the following information about each execution request in the batch process:

- Execution ID
- Status
- Cycle
- Flow
- Scheduler Day
- Total Jobs
- Completed
- Pending
- Skipped
- Failed
- System Held
- Submitted

See [Table Menu Options](#) in the "Common User Interface Controls" for information about the options available for this section.

Execution Details

This section displays the following information about each job run by the execution request:

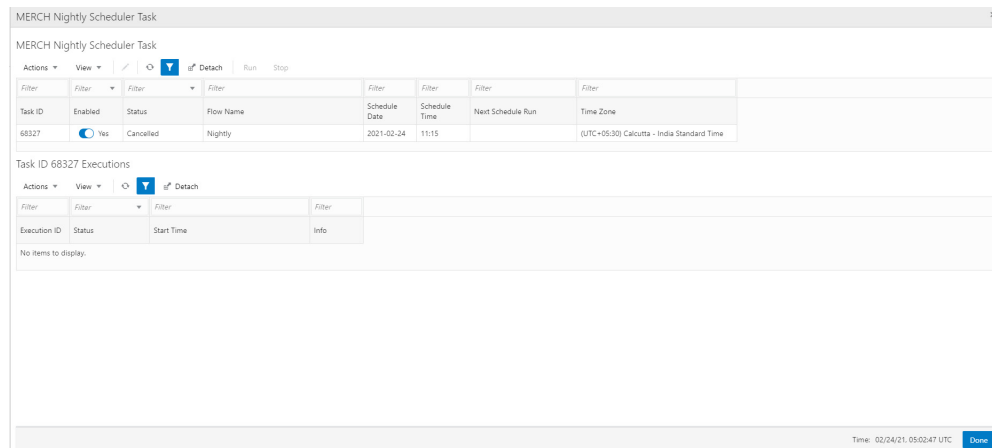
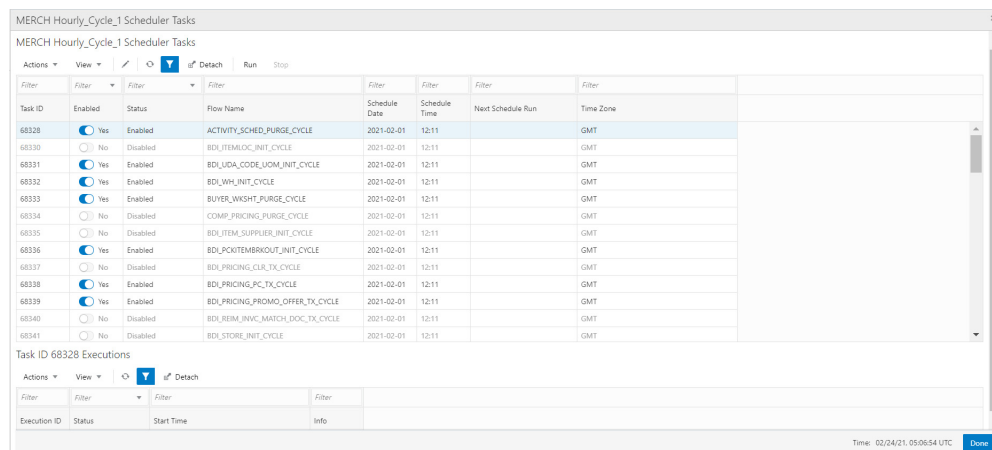
- Job Run ID
- Status
- Job Name
- Process Name
- Job Execution ID
- Last Update
- First Job
- Error Info

See [Table Menu Options](#) in the "Common User Interface Controls" for information about the options available in this section.

Scheduler Tasks

The Scheduler Tasks window displays information about tasks that are scheduled to run during the current scheduler day. See the Scheduler Administration section of this chapter.

When the new scheduler day is created every day (at the end of the Nightly batch run), it creates the scheduler tasks according to the way they are set up in the Scheduler Administration screen.

Figure 2–6 Nightly Scheduler Task Window**Figure 2–7 Recurring Scheduler Tasks Window**

Click **Done** or the close window icon (✕) to close the window.

The Scheduler Tasks window for the Nightly and Recurring cycles display the same task attributes listed below. The difference is that there is only one Nightly task for a scheduler day whereas there could be multiple Recurring flows running throughout the day.

Nightly/Recurring Scheduler Tasks

This section displays the following information about each Nightly/Recurring Scheduler task:

- Task ID
- Enabled - Switch to enable or disable the execution of the task
- Status - Possible values are: Enabled, Disabled, Completed, Skipped On Delay, Scheduled, Error, or Canceled
- Flow Name - Nightly or recurring flow name
- Schedule Date
- Schedule Time
- Time Zone

Note: When the New Scheduler Day is created, if the start time for a certain task has elapsed, the task will be scheduled for the next day. The Next Schedule Run column will show the next time the task will execute.

See ["Table Menu Options"](#) in ["Common User Interface Controls"](#) for information about the options available for this section.

Task Executions

This section displays the following information about each task executions:

- Status - Possible values are: Completed, Error
- Start Time
- Info - If the Status is Error, this field changes to a link which, when clicked, will open a dialog showing error details.

See ["Table Menu Options"](#) in ["Common User Interface Controls"](#) for information about the options available in this section.

The user can edit the Nightly or Recurring tasks to change the time they run for the day. Permanent changes need to be entered in the Scheduler Administration screen.

Note: If the user makes a change to the time, he or she needs to click the **Run** action to schedule the task.

Also, for the task to be editable, it must be in a state other than Scheduled. If it is in a Scheduled state, the user can click the stop action, which puts the task in a Cancelled state and it is therefore editable.

Figure 2–8 Standalone Scheduler Tasks Window

MERCH Standalone Scheduler Tasks											
MERCH Standalone Scheduler Tasks											
Task ID	Enabled	Status	Process Name	Description	Frequency	Limit occurrences	Prevent start during nightly	Schedule Date	Schedule Time	Next Schedule Run	Time
69626		Completed	LIKESTOREBATCH_PROCESS_ADHOC	Run Like Store batch	Daily			02/24/21	02:45		(UTC)
69510		Completed	DC_LOAD_PARTNERS_PROCESS	Test AJ	Daily			02/23/21	16:41		(UTC)
69627		Scheduled	BDI_Val_Fnd_FS_From_RMS_PROCESS_INIT	Val BDI	Daily			02/24/21	16:00	2021-02-24 16:00	(UTC)
69624		Scheduled	DC_LOAD_OTHERS_PROCESS	testmg	Daily			02/24/21	21:00	2021-02-24 21:00	(UTC)
69625		Scheduled	REPL_INDCN_PURGE_PROCESS_ADHOC	Purge Replenish Records	Every 15 minutes	1		02/24/21	21:00	2021-02-24 21:00	(UTC)
69628		Cancelled	SL_PURGE_VARIANCE_TELS_PROCESS	Test with no start time	Every 1 minutes	2					(UTC)

Task ID 69626 Executions			
Execution ID	Status	Start Time	Info
101	Completed	02/23/21 15:15 CST	

Click **Done** or the close window icon (✕) to close the window.

Standalone Scheduler Tasks

This section displays the following information about each Standalone Scheduler task:

- **Task ID**
- **Enabled** - Switch to enable or disable the execution of the task.
- **Status** - Possible values are: Enabled, Disabled, Completed, Skipped On Delay, Scheduled, Error, Cancelled.
- **Process Name**
- **Frequency** - Daily or Every x minutes.
- **Limit Occurrences** -If this field has a value, the process will run every x minutes for y occurrences.
- **Prevent Start During Nightly** - Indicates that the process should not start running when Nightly is in progress. If the process starts running before Nightly start, it will continue running even if the run extends into the Nightly run.
- **Schedule Date**
- **Schedule Time**
- **Next Scheduled Run** - Displays the date and time the next run will occur.
- **Time Zone**

See ["Table Menu Options"](#) in ["Common User Interface Controls"](#) for information about the options available in this section.

The user can edit a Standalone task to change any of the fields in the window below. Edits are effective just for the day's run. Permanent changes must be entered in the Scheduler Administration screen.

The screenshot shows a dialog box titled "Edit Task REPL_INDCTN_PURGE_PROCESS_ADHOC". It contains several configuration fields:

- Enabled:** A toggle switch that is currently turned on (blue).
- Description:** A text box containing "Purge Replenish Records".
- Frequency:** A dropdown menu set to "Minutes" and a numeric input set to "15".
- Limit occurrences:** A numeric input set to "1".
- Schedule Time:** A time picker set to "12:00 AM".
- Prevent start during nightly:** A toggle switch that is currently turned on (blue).
- Time Zone:** A dropdown menu set to "(UTC+05:30) Calcutta - India Standard Time".

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

Note: If the time is left blank for a standalone task, it will execute immediately upon clicking **Ok**.

When the New Scheduler Day is created, if the start time for a certain task has elapsed, the task will be scheduled for the next day. The Next Schedule Run column will show the next time the task will execute.

Task Executions

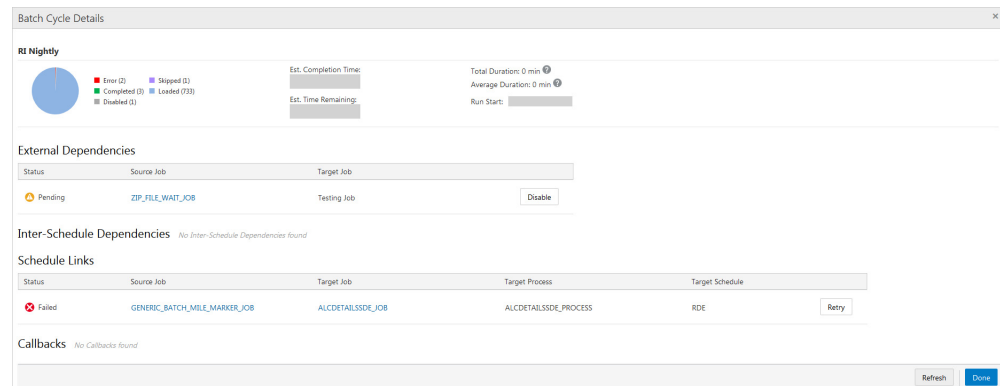
This section displays the following information about each task execution:

- Execution ID

- Status - Possible values are: Completed, Error
- Start Time
- Info - If the Status is Error, this field changes to a link which, when clicked, will open a dialog showing the error details.

See ["Table Menu Options"](#) in ["Common User Interface Controls"](#) for information about the options available in this section.

Batch Cycle Details Screen



The Batch Cycle Details screen displays the following sections:

Header

The header displays the following information about the batch cycle:

- [Run Status Chart](#)

Completed Batch Job Statistics For completed batch jobs, the batch job header shows the following information:

- Run Start
- Run End
- Total Duration
- Average Duration

Active Batch Job Statistics For active batch jobs, the batch job header shows the following information:

Note: Active Batch Job Statistics are not yet implemented. They will be implemented in a future version of POM.

- Estimated Completion Time
- Estimated Time Remaining
- Total Duration
- Average Duration
- Run Start

External Dependencies

External Dependencies

Status	Source Job	Target Job	
 Pending	W_RTL_CURR_MCAL_G_JOB	Testing1	<button>Disable</button>
 Pending	ZIP_FILE_WAIT_JOB	Testing Job	<button>Disable</button>


The External Dependencies section lists all the external batch job dependencies for the entire current Schedule. These dependencies are only shown if the system level external dependencies indicator is turned on. An external dependency is usually a dependency on a customer's internal process. This dependency is released once the customer calls an endpoint into POM for a specific POM job.

The following information is displayed for each external dependency:

- Status
- Source Job - Click to open the job in the [Batch Job Details](#) screen. The source job is a job in the current schedule which is dependent on the external (target) job.
- Target Job - The job that, when complete, will release the dependency which the source job is waiting on.
- A **Disable/Enable** button to disable or enable the dependency.

Inter-Schedule Dependencies

Inter-Schedule Dependencies

Status	Source Job	Target Job	Target Process	Target Schedule	
 Pending	ZIP_FILE_WAIT_JOB	ALCDETAILSSDE_JOB	ALCDETAILSSDE_PROCESS	RDE	<button>Disable</button>


The Inter-Schedule Dependencies section lists all the inter-schedule batch job dependencies for the entire current Schedule. These dependencies are only show if the system level inter-schedule dependencies indicator is turned on. An inter-schedule dependency links the current schedule and a target schedule where a job in the target schedule is dependent on the completion of a job in the current schedule.

The following information is displayed for each inter-schedule dependency:

- Status
- Source Job - Click to open the job in the [Batch Job Details](#) screen.
- Target Job - Click to open the job in the [Batch Job Details](#) screen. Target job is dependent on the source job.
- Target Process - Process containing the target job.
- Target Schedule - Schedule containing the target process/job.
- A **Disable/Enable** button to disable or enable the dependency.

Schedule Links

Schedule Links

Status	Source Job	Target Job	Target Process	Target Schedule	Info
 Pending	GENERIC_BATCH_MILE_MARKER_JOB	ALCDETAILSSDE_JOB	ALCDETAILSSDE_PROCESS	RDE	<button>Disable</button>

A schedule link links the current schedule and a target schedule where the current schedule does not start until the completion of a job in the target schedule.

The following information is displayed for each schedule link:

- **Status**
- **Source Job** - Click to open the job in the [Batch Job Details](#) screen. The job in the current schedule which starts the current batch when the Target Job completes.
- **Target Job** - Click to open the job in the [Batch Job Details](#) screen. The job in the Target Schedule which when completes fulfills the dependency for the Source Job in the current schedule.
- **Target Process** - The process which the Target job belongs to. - The schedule whose job is a dependency for the job in the current schedule.
- **Info** - Shows information regarding error if failed or skipped.
- **Target Schedule**
- If it was not successful, a **Retry** button to retry the schedule link.

Callbacks

Callbacks

Status	Job	Process	Date	Payload	Info	
Failed	W_INT_ORG_DH_RTL_TMP_JOB	LOAD_DIM_INITIAL_ADHOC		Payload	Info	Retry
Failed	W_RTL_ORG_RECLASS_TMP_JOB	LOAD_DIM_INITIAL_ADHOC		Payload	Info	Retry

The 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 following information is displayed for each callback:

- **Status**
- **Job** - Click to open the job in the [Batch Job Details](#) screen.
- **Process** - Process containing the job.
- **Date of callback**
- A **Payload** link to display the [Payload Window](#) for the callback.
- An **Info** link to display the [Info Window](#) describing the callback response.
- If the callback was not successful, a **Retry** button to retry the callback.

Batch Jobs

Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
Status	Job	Application	Last Update	Parameter	Process Name	Process Status	Log	Job Description	Start Time	End Time
Error	START_BATCH_JOB	RMS	05/28/20 19:20:59	prepost #5y...	START_BATCH_PROCESS	Error		Sets the RMS_BATCH_STATUS.BATCH_RUNN...		
Hold	BDL_RFL_FinGenLdgr_Tu_Pt_From_RMS_JOB	RMS	05/28/20 18:59:24	FinGenLdgr...	BDL_RFL_FinGenLdgr_Tu_Pt_From_RMS_PRO...	Loaded		Kicks off BDL process FinGenLdgr_Tu_Proces...		
Skipped	STOP_RIB_ADAPTOR_INV_JOB	RMS	05/28/20 19:18:14	dummy #5y...	STOP_RIB_ADAPTOR_INV_PROCESS	Complete...		Shuts down inventory adaptors		
Skipped	DISABLE_RIB_PUB_TRIGGER_JOB	RMS	05/28/20 19:19:52	manage.tbl...	DISABLE_RIB_PUB_TRIGGER_PROCESS	Complete...		Disables RIB publishing triggers in RMS. As s...		
Skipped	DUMMY_START_NIGHT_BATCH_JOB	RMS	05/28/20 19:15:58	dummy #5y...	DUMMY_START_NIGHT_BATCH_PROCESS	Complete...		Indicates the start of the nightly batch run.		
Loaded	ALC_DAILY_CLEANUP_JOB	ALLOC	05/28/20 18:58:50	#SysOptAl...	ALC_DAILY_CLEANUP_PROCESS	Loaded		Cleans up all the Work tables.		
Loaded	ALC_DASHBOARD_REFRESH_JOB	ALLOC	05/28/20 18:58:50	#SysOptAl...	ALC_DASHBOARD_REFRESH_PROCESS	Loaded		Refreshes the allocation dashboard data.		
Loaded	ALC_PLAN_LOAD_JOB	ALLOC	05/28/20 18:58:50	plan_01.dat 1	ALC_PLAN_TRANSFORM_LOAD_PROCESS	Loaded		Loads the Plan Data to the ALC_PLAN Table.		
Loaded	ALC_PLAN_TRANSFORM_JOB	ALLOC	05/28/20 18:58:50	#SysOptAl...	ALC_PLAN_TRANSFORM_LOAD_PROCESS	Loaded		Transforms the Plan Data.		
Loaded	ALC_PURGE_ALLOC_JOB	ALLOC	05/28/20 18:58:50	#SysOptAl...	ALC_PURGE_ALLOC_PROCESS	Loaded		Purges all deleted and closed allocations.		

The Batch Jobs section lists all the batch jobs for the selected schedule and the selected cycle. The table displays the following information:

- **Status**

- Loaded - Jobs are in loaded state when the scheduler day is first created.
 - Pending - Job is waiting to run.
 - Completed - Job ran successfully on the system.
 - Error - A failure occurred due to an issue in the environment or the job's application.
 - Held - An administrator placed the job on hold.
 - Skipped - An administrator has skipped the running of the job so the remaining jobs in the cycle can proceed.
 - Running - Job is currently running on the system.
 - Long Running - The job's run time has exceeded a threshold. This threshold is calculated by multiplying the job's average run time and the Long Run Average Time Multiplier defined on the schedule Settings section of the [System Configuration](#) screen.
 - Disabled - Job was disabled by an administrator on the [Batch Administration](#) screen.
 - System Held - Job was placed on hold by the system due to a lack of resources to run it.
 - Skipped on Error - Job was preconfigured to be skipped on a failure.
 - Waiting - Job is waiting for completion of pre-dependencies (Hourly Cycle, Nightly Cycle, External Dependency and Inter-Schedule Predecessor Jobs).
- Job - Click to open the job in the [Batch Job Details](#) screen.
 - Application
 - Last Update
 - Parameter
 - Process Name
 - Process Status
 - Log
 - Job Description
 - Start Time
 - End Time
 - Duration
 - Average Run Time
 - Average Historical Run Time
 - Number of Runs
 - Error Source
 - Waiting
 - Waiting Reasons

Actions Menu and Icons

See "[Action Menu and Icons](#)" for common actions that can be performed through the Action menu and the icons. You can also perform the following actions:

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

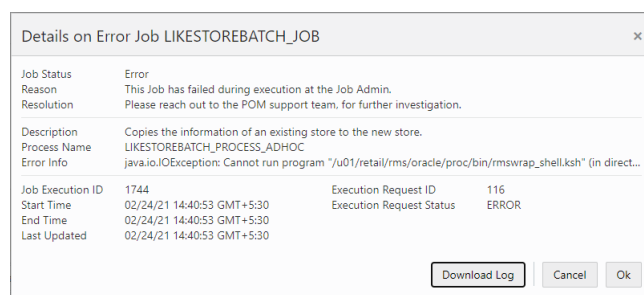
Actions Menu/Icons	Description
Hold	Use the Actions > Hold or the Hold button to put the process on hold.
Skip	Use the Actions > Skip or the Skip button to skip the process.
Run	Use the Actions > Run or the Run button to run the process immediately.
Rerun	Use the Actions > Rerun or the Rerun button to run the job again.
Edit Parameters	Use the Actions > Edit Parameters or the Edit Parameters button to edit the parameters for the job. The new parameters are only effective for the current day's batch run.

View Menu

See ["View Menu"](#) for information about the options in the View menu.

Status Details for Job

Certain status values on the Batch Jobs section such as 'Error' or 'Long Running' act as a link. When clicked a popup is displayed containing more details about why the job is in the given status and helpful suggestions for resolving the issue. An example is shown below for a job in error.



Footer

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 five minutes on page load.

Use the **Refresh** button to refresh the screen immediately.

Use the **Recover** button to automatically attempt fixing system failures and resume the schedule. This is useful if there is a system or communications failure that interrupts the execution of a schedule.

Last refreshed shows the time and date of the last refresh of the interface.

Batch Job Details

The Batch Job Details screen provides detailed information about a batch job.

Depending upon the status of the job, one or more of the following buttons will be available at the top of the screen:

- Hold
- Run - This is available only for Standalone jobs.

- Release
- Release Skip
- Rerun
- Skip

Figure 2–9 Batch Job Details

Batch Job Details

Job STOP_RIB_ADAPTOR_INV_JOB

Job Status: Skipped Release Skip

Executions

Status	ID	Job Run ID	Start Time	End Time	Log
Error	21641	413116			Log

Pre Dependencies

Status	Job	Process
Completed	DUMMY_START_NIGHT_BATCH_JOB	DUMMY_START_NIGHT_BATCH_PROCESS

Post Dependencies

Status	Job	Process
Completed	DISABLE_RIB_PUB_TRIGGER_JOB	DISABLE_RIB_PUB_TRIGGER_PROCESS

External Dependencies No External Dependencies found

Inter-Schedule Dependencies No Inter-Schedule Dependencies found

Schedule Links

Status	Job	Process	Schedule	
Skipped	REFRESHCODVARIABLES_JOB	SETUP_PROCESS	RDE	Retry

Callbacks

Status	Job	Process	Payload	Info	
Failed	STOP_RIB_ADAPTOR_INV_JOB	STOP_RIB_ADAPTOR_INV_PROCESS	Payload	Info	Retry

Refresh Close

Figure 2–10 Batch Job Details with Status Information

Batch Job Details

Job LIKESTOREBATCH_JOB

Job Status: Error Skip Rerun

Reason: This job has failed during execution at the Job Admin.
Resolution: Please reach out to the PGM support team, for further investigation.

Execution Requests

Status	Execution ID	Job Run ID	Request Time	
Error	101	255071	02/23/21 15:15:10	Error Info

Executions

Status	ID	Job Run ID	Start Time	End Time	Log
Error	1720	255071	02/23/21 15:15:10 CST	02/23/21 15:15:10 CST	Log

Pre Dependencies No Pre Internal Dependencies found

Post Dependencies No Post Internal Dependencies found

External Dependencies No External Dependencies found

Inter-Schedule Dependencies No Inter-Schedule Dependencies found

Schedule Links No Schedule Links found

Callbacks No Callbacks found

Refresh Close

Execution Requests

If the job was executed, this section displays the following information about the job execution:

- Status
- Execution ID
- Request Time
- Error Info - This will only show in case of an error status.

Executions

If the job was executed, this section displays the following information about the job execution:

- Status
- ID
- Job Run ID
- Start Time
- End Time
- Log - Provides a link to download the execution log.

Pre Dependencies

This section displays the following information about job pre-dependencies:

- Status
- Job - Click to open the job in the [Batch Job Details](#) screen.
- Process
- A **Disable/Enable** button is available for jobs that have not yet completed.


Post Dependencies

This section displays the following information about job post-dependencies:

- Status
- Job - Click to open the job in the [Batch Job Details](#) screen.
- Process
- A **Disable/Enable** button is available for jobs that have not yet completed.

External Dependencies

External Dependencies


Status	Job
 Pending	Testing Job Disable

An external dependency is usually a dependency on a customer's internal process. This dependency is released once the customer calls an endpoint into POM for a specific POM job. This section displays the following information about job external dependencies:

- Status
- Job - Click to open the job in the [Batch Job Details](#) screen. The job that, when complete, will release the dependency which the currently displayed job is waiting on.
- A **Disable/Enable** button is available for jobs that have not yet completed.

Inter-Schedule Dependencies

Inter-Schedule Dependencies

Status	Job	Process	Schedule	
 Pending	ALCDETAILSSDE_JOB	ALCDETAILSSDE_PROCESS	RDE	<button>Disable</button>

An inter-schedule dependency links the current schedule and a target schedule where a job in the target schedule is dependent on the completion of the currently displayed job in the current schedule. This section displays the following information about job inter-schedule dependencies:

- Status
- Job - Click to open the job in the [Batch Job Details](#) screen. Job which is dependent on the source job.
- Process - Process containing the job.
- Schedule - Schedule containing the process/job.
- A **Disable/Enable** button is available for jobs that have not yet completed.

Schedule Links

Schedule Links


Status	Job	Process	Schedule	Info	
 Pending	ALCDETAILSSDE_JOB	ALCDETAILSSDE_PROCESS	RDE		<button>Disable</button>

This section displays the following information about schedule links for a job:

- Status
- Job - Click to open the job in the [Batch Job Details](#) screen. The job in the Target Schedule that, when completed, will fulfill the dependency for the currently displayed schedule.
- Process - The process the job belongs to.
- Schedule - The schedule whose job is a dependency for the job in the current schedule.
- Info - Shows information regarding error if failed or skipped.
- A **Disable/Enable** button is available for jobs that have not yet completed.
- A **Retry** button is available for schedule links with a Skipped or Failed status.

Callbacks

Callbacks

Status	Job	Process	Date	Payload	Info	
 Failed	WJ_INT_ORG_DH_RTL_TMP_JOB	LOAD_DIM_INITIAL_ADHOC		Payload	Info	<button>Retry</button>

This section displays the external status update request and response callbacks based on the External Status Update mode set in the External [System Configuration](#) screen. This section displays the following information about job callbacks:

- Status
- Job - Click to open the job in the [Batch Job Details](#) screen.
- Process

- A **Payload** link to display the [Payload Window](#) for the callback.
- An **Info** link to display the [Info Window](#) describing the callback response.
- A **Retry** button is available for callbacks with a Skipped or Failed status.

Payload Window

The callback payload window shows the field name and value for each field in the payload.

Select **Done** to close the window.

Figure 2–11 Callback Payload Window

STOP_RIB_ADAPTOR_INV_JOB Payload		×
externalURL	http://nsh008888dwk.us.oracle.com:8018/ExternalCallbackTestAp...	
processName	MERCH_DUMMY_START_NIGHT_BATCH_PROCESS	
processExecutionId	MERCH_DUMMY_START_NIGHT_BATCH_PROCESS~316	
activityName	STOP_RIB_ADAPTOR_INV_JOB	
activityExecutionId	413116	
callbackServiceDataDetail.rootProcess	MERCH_DUMMY_START_NIGHT_BATCH_PROCESS	
callbackServiceDataDetail.rootProcessExecId	MERCH_DUMMY_START_NIGHT_BATCH_PROCESS~316	
status	ERROR	
activityStatus	ACTIVITY_FAILED	
		Done

Info Window

The callback info window shows information about a request and response.

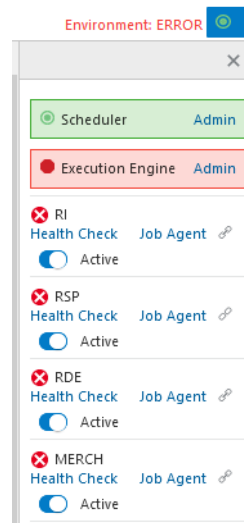
Select **Done** to close the window.

Figure 2–12 Callback Info Window

STOP_RIB_ADAPTOR_INV_JOB Info		×
Received ReST Exception : javax.ws.rs.ProcessingException: java.net.UnknownHostException: nsh008888dwk.us.oracle.com Exception : External Callback system cant be validated		
		Done

Status

The Status sidebar displays information about the execution engine and the environments that Process Orchestration and Monitoring communicates with to execute batches.

Figure 2–13 Status Sidebar

Scheduler

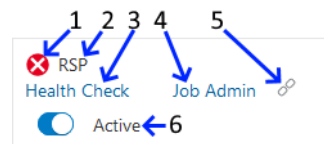
Displays the status of the Scheduler, and an **Admin** link to enable or disable the scheduler for a particular batch schedule in the [Scheduler Administration](#) window.

Execution Engine

Displays the status of the execution engine, and an **Admin** link to configure the execution engine in [Execution Engine Administration](#).

Environment Statuses

Displays the following for each environment:

Figure 2–14 Environment Status

1. **Status** - Icon indicating the current status of the integration with the environment. This will be either success or error .
2. **Environment** - Abbreviation of the environment name.
3. **Health Check** - Opens the [Health Check](#) for the environment.
4. **Job Admin** - Opens the [Job Admin](#) for the environment.
5. **Link** - An icon which indicates if Inter-Schedule Dependencies are enabled or disabled.
6. **Active/Inactive Switch** - Turning the switch deactivates the job administration for the environment.

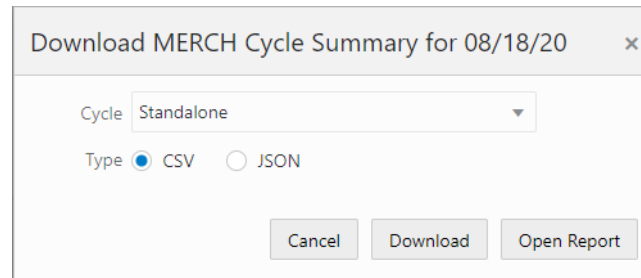
Download Cycle Summary

Use the Download Cycle Summary window to download information about a completed batch cycle:

1. Click **Download Cycle Summary** in the [Batch Jobs Header](#).

The Batch Cycle Summary window opens.

Figure 2–15 Download Cycle Summary Window



2. Use the **Cycle** menu to select the cycle for which to download the summary.
3. Select the **Type** of data to download: **CSV** (comma-separated values) or **JSON**.
4. Click **Download** to download the summary file, or click **Cancel** to close the window without downloading.

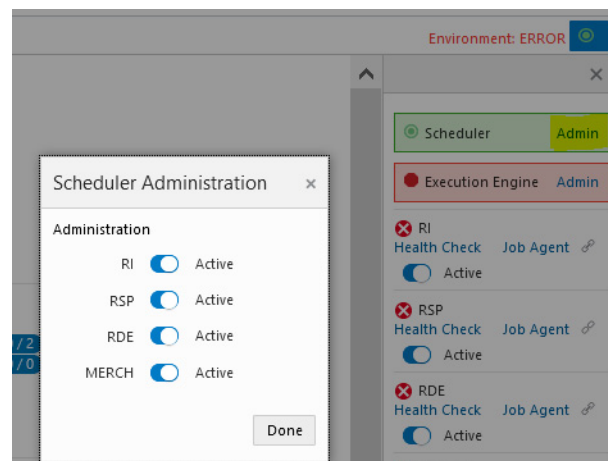
Scheduler Administration Window

The Scheduler Administration window allows you to enable or disable batch schedules.

When the Scheduler is disabled for a particular schedule, tasks will still be scheduled and will still trigger at the specified time but will immediately move to the Canceled state.

Select the **Done** button to close the window.

Figure 2–16 Scheduler Administration Window



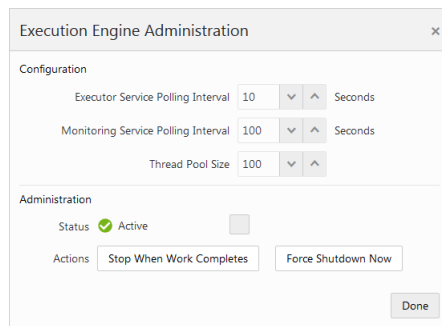
Execution Engine Administration

The Execution Engine Administration window allows you to configure the communication between the user interface and the execution engine.

Select the **Done** button to close the window.

This window has the following configurations:

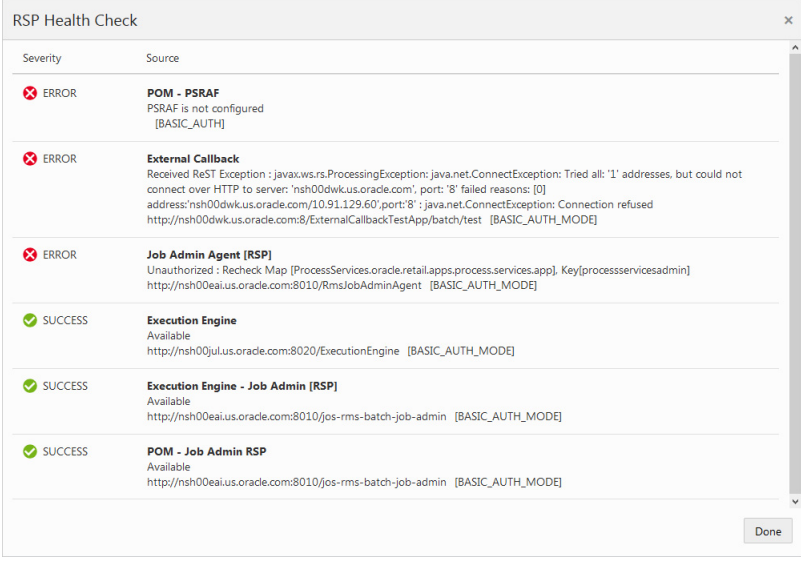
Figure 2–17 Execution Engine Administration Window



- **Executor Service Polling Interval** - Determines the number of seconds between each polling interval for the batch execution process on Process Orchestration and Monitoring.
- **Monitoring Service Polling Interval** - Determines the number of seconds between each polling interval for the monitoring process on Process Orchestration and Monitoring.
- **Thread Pool Size** - Maximum number of concurrent threads permitted for use by the Execution Engine.
- **Status** - The status of the communication with the Execution Engine for Process Orchestration and Monitoring.
- **Refresh** - This button refreshes the information in the user interface.
- **Stop When Work Complete** - This button shuts down batch processing when the currently running batch processes have stopped.
- **Force Shutdown Now** - This button shuts down batch processing immediately, including all batch processing currently running.



Health Check

The Health Check window displays the status of the processes communicating with the environment.

Figure 2–18 Health Check Window


Severity	Source
ERROR	POM - PSRAF PSRAF is not configured [BASIC_AUTH]
ERROR	External Callback Received ReST Exception : java.ws.rs.ProcessingException: java.net.ConnectException: Tried all: '1' addresses, but could not connect over HTTP to server: 'nsh00dwk.us.oracle.com'; port: '8' failed reasons: [0] address: 'nsh00dwk.us.oracle.com/10.91.129.60'; port: '8' : java.net.ConnectException: Connection refused http://nsh00dwk.us.oracle.com:8/ExternalCallbackTestApp/batch/test [BASIC_AUTH_MODE]
ERROR	Job Admin Agent [RSP] Unauthorized : Recheck Map [ProcessServices.oracle.retailapps.process.services.app], Key[processservicesadmin] http://nsh00eai.us.oracle.com:8010/RmsJobAdminAgent [BASIC_AUTH_MODE]
SUCCESS	Execution Engine Available http://nsh00jul.us.oracle.com:8020/ExecutionEngine [BASIC_AUTH_MODE]
SUCCESS	Execution Engine - Job Admin [RSP] Available http://nsh00eai.us.oracle.com:8010/jos-rms-batch-job-admin [BASIC_AUTH_MODE]
SUCCESS	POM - Job Admin RSP Available http://nsh00eai.us.oracle.com:8010/jos-rms-batch-job-admin [BASIC_AUTH_MODE]

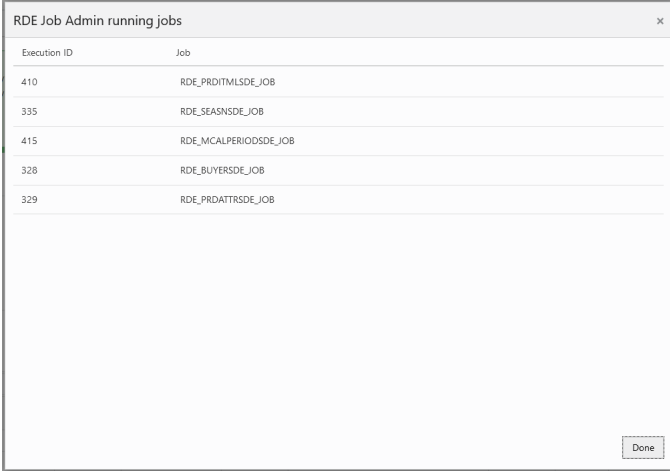
This window displays the following for each communication process:

- **Severity** - The severity of any errors in communication:
 -  **SUCCESS** - The process communicates successfully.
 -  **ERROR** - The process is not communicating with the environment.
- **Source** - The name of the process and the response received by the process.

Job Admin

The Job Admin Running Jobs window displays the batch jobs currently running on an integrated environment.

Select the Done button to close the window.

Figure 2–19 Job Admin Running Jobs Window


Execution ID	Job
410	RDE_PRODTMISDE_JOB
335	RDE_SEASNSDE_JOB
415	RDE_MCALPERIODSDE_JOB
328	RDE_BUYERSDE_JOB
329	RDE_PRDATTRSDE_JOB

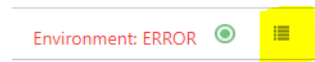
This window displays the following information for each process.

- **Execution ID**

- Job

Activity Feed

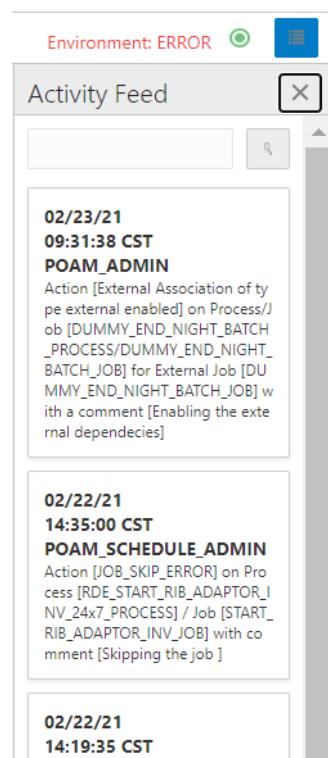
The Batch Monitoring screen includes an Activity Feed icon at the top right corner.



When the icon is clicked, the Activity Feed panel opens on the right side of the screen. The panel displays up to seven days' worth of activities performed both by the system and by users through the user interface.

Click the close window icon (✕) to close the window.

Figure 2–20 Activity Feed



System Configuration

The System Configuration screen allows an administrator to modify parameters and connection properties for the environments integrated with Process Orchestration and Monitoring. It also allows an administrator to maintain POM application level configurations.

Select **System Configuration** in the [Navigation Area](#) to open the System Configuration tab.

Figure 2–21 System Configuration

System Configuration				
Schedule	System			
	RSP 19.0.0	RPASCE 19.0.0	RI 18.0.002.8	MERCH 19.0
Business Date: 05/23/20 Last Schedule Update:		Business Date: 05/21/20 Last Schedule Update:	Business Date: 06/13/20 Last Schedule Update:	Business Date: 05/21/20 Last Schedule Update:
Settings	✓	✓	✓	✓
Data Retention Days	30	30	30	30
Long Run Average Time Multiplier	3	2	4	2
External Dependencies	Enabled	Disabled	Disabled	Enabled
InterSchedule Dependencies	Disabled	Enabled	Enabled	Disabled
Throttling	✓	✓	✓	✓
Job Admin R2S	Disabled		Job Admin R2S Throttle Limit	5
Environment	✓	✓	✓	✓
Platform Services Version	1.0	1.0	1.0	1.2
Platform Services URL		http://localhost:8080/pom-do...		http://localhost:8080/pom-do...
RIS	System Options	System Options	System Options	System Options
RPASCE	http://localhost:8080/jos-rs-bat...	http://localhost:8080/jos-rs-bat...	http://localhost:8080/jos-rs-bat...	http://localhost:8080/jos-rs-bat...
External Configuration	✓	✓	✓	✓
External URL	http://localhost:8080/ExternalC...	External URL	External URL	http://localhost:8080/ExternalC...
External Status Update Mode	ALL	NONE	NONE	ALL
Credentials	Yes	No	No	Yes

Schedule Settings and Connections Configuration

Select the **Schedules** tab on the [System Configuration](#) screen to configure the settings and connections for an environment.

The following information is shown for each environment:

- Schedule name abbreviation.
- Schedule version number.

MERCH 19.1.002

- **Business Date** - Date for which the specific schedule's batches will run next.
- **Last Schedule Update** - Last date on which the schedule was updated.

Business Date: 08/19/20
Last Schedule Update:

- **Settings** - See [Edit Settings](#) for details.
 - Data Retention Days
 - Long Run Average Time Multiplier
 - External Dependencies
 - InterSchedule Dependencies

Settings	
Data Retention Days	30
Long Run Average Time Multiplier	2
External Dependencies	Enabled
InterSchedule Dependencies	Enabled

- **Throttling** - See [Edit Throttling](#) for details.
 - Job Admin Throttle Limit

Throttling	
Job Admin RMS Throttle Limit	10

- **Environment** - See [Edit Environment](#) for details.
 - Platform Services Version
 - [Schedule System Options](#) link
 - Job Admin version

Environment	
Platform Services Version	1.0
RMS (System Options)	19.1.004.

- **External Configuration** - See [Edit External Configuration](#) for details.
 - External URL
 - External Status Update Mode
 - Credentials

External Configuration	
External URL	http://ncs:10000/ExternalCall...
External Status Update Mode	NONE
Credentials	No

Edit Settings



To edit the settings for an environment, click the edit icon  in the Settings section to open the Settings window.

Figure 2–22 Edit Settings Window

Settings for RSP 19.0.0 ✕

* Data Retention Days	30	▼	▲
* Long Run Average Time Multiplier	3	▼	▲
* Business Date:	01/06/20		
Current Business Date is 05/23/20			
Background Jobs	<input checked="" type="checkbox"/>	Enabled	
External Dependencies	<input checked="" type="checkbox"/>	Enabled	
InterSchedule Dependencies	<input type="checkbox"/>	Disabled	

Cancel
OK

The following settings are available in this window:

- **Data Retention Days** - Number of days for which data is to be retained
- **Long Run Average Time Multiplier** - Used to calculate when a job is considered long running.

A job is long running when its current run time is longer than this number times than the average run time of that job. For example, if a job's average run time is 3 minutes, and the Long Run Average Time Multiplier is 3, then the job is considered long running if it has been running for at least 9 minutes. A notification is sent when a job is deemed long running.

- **Business Date** - The earliest business date for which to run batch schedules. See ["Business Date Explained"](#) for an explanation of how POM uses this setting.
- **Background Jobs** - Enable or disable background jobs.
- **External Dependencies** - A switch for enabling or disabling external dependencies.
- **InterSchedule Dependencies** - A switch for enabling or disabling InterSchedule dependencies.

Select **OK** to save the changes, or select **Cancel** to exit the window without saving changes.

Business Date Explained

When the business date is initially set, it's supposed to be set as the First Run Business Date. It's meant for the POM application to compare to the Current Business Date (shown below the Business Date on the screen). If the (First Run) Business Date is earlier than the Current Business Date, POM will run the next batch schedule for the day after the Current Business Date. If the (First Run) Business Date is later than the Current Business Date, POM will run the next batch schedule for that date rather than the day after the Current Business Date.

Note: the Current Business Date advances automatically every time batch completes for the day

The reason the (First Run) Business Date is updatable on this screen, is to give the ability to start the next schedule run at that date, skipping some run days. Here are a couple example scenarios:

Scenario 1: Common Scenario

System Configuration screen's Business Date: 11/28/2019

System Configuration screen's Current Business Date: 08/12/2019

The next batch schedule run will be for business date 08/13/2019.

When that batch run starts, the Current Business Date advances to 08/13/2019 and the screen is updated accordingly.

Scenario 2: Skip a Few Days

System Configuration screen's Business Date: 11/28/2019

System Configuration screen's Current Business Date: 08/12/2019

User changes the Business Date on the Config UI to 08/18/2019

The next schedule run will be for business date 08/18/2019.

When that batch run starts, the Current Business Date moves to 08/18/2019 (since the (First Run) Business Date is greater than Current Business Date) and the screen will be updated accordingly. The (First Run) Business date will remain at 08/18/2019 until changed by an administrator on this screen.

Edit Throttling


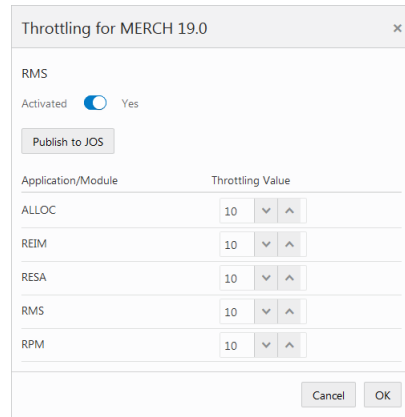
The throttling settings can be changed by selecting the edit icon  in the Throttling section to open the Throttling window.

Figure 2–23 Edit Throttling Window



Application/Module	Throttling Value
ALLOC	10
REIM	10
RESA	10
RMS	10
RPM	10

The following settings are available in this window:

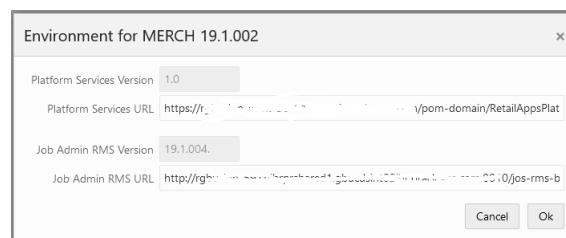
- **Activated** - When set to Yes, the Job Admin will throttle the running of jobs according to the setting defined here.
- **Publish to JOS** - Pushes the throttle values from this screen to the JOS Job Admin.
- **Application/Module** - This section allows for update of the throttling value for each application or module in the environment.

Select **OK** to save the changes, or select **Cancel** to exit the window without saving changes.

Edit Environment

The environment settings can be changed by selecting the edit icon  in the Environment section to open the Environment window.

Figure 2–24 Edit Environment Window



The following settings are available in this window:

- **Platform Services Version** - Version of the currently deployed Platform Services
- **Platform Services URL**
- **Job Admin Version** - Version of the currently deployed Job Admin
- **Job Admin URL**

Select **OK** to save the changes, or select **Cancel** to exit the window without saving changes.

Edit External Configuration


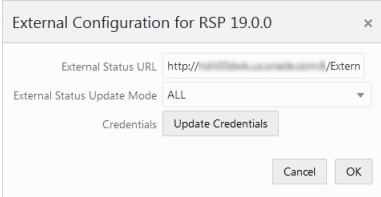
The external configuration settings can be changed by selecting the edit icon  in the External Configuration section to open the External Configuration window.

Figure 2–25 Edit External Configuration Window



The following settings are available in this window:

- **External Status URL** - Customer system's URL that is called when POM is to notify the customer's system. Note that this calling feature is also referred to as Callback.
- **External Status Update Mode** - Job status for which POM is to call the customer's URL. This menu has the following options:
 - **ALL** - POM will make a call for each job's execution regardless of success or failure.
 - **FAILED** - POM will make a call only for failed jobs.
 - **NONE** - POM will never make a call.
- **Update Credentials** - When clicked, User Name and Password fields are shown. Setting these values will update the credentials POM uses to call the customer's URL.

Select **OK** to save the changes, or select **Cancel** to exit the window without saving changes.

Schedule System Options

Each Schedule is associated with a number of system options specific to its environment and settings. Those can be edited by clicking on the System Options link located next to the Job Admin in the Environment section.

RMS (System Options)	19.1.004
----------------------	----------

Figure 2–26 Edit System Options

Key	Value	Edit	Remove
AllocAppUser	BATCH-ALIAS	Edit	Remove
Dir	/U01/retail/rms/oracle/proc/bin	Edit	Remove
PayloadPurge	FLAT_FILE	Edit	Remove
PostingExtractPath	/U01/retail/rms/batch/outgoing	Edit	Remove
REIMAppUser	BATCH-ALIAS	Edit	Remove
RMSAppUser	BATCH-ALIAS	Edit	Remove
RPMAAppUser	BATCH-ALIAS	Edit	Remove
RpmInductionDir	/U01/retail/rpm/RpmInductionDir	Edit	Remove
RpmPublishDir	/U01/retail/rms/batch/outgoing	Edit	Remove
apDir	/U01/retail/rms/hetl/Cross_Pillar	Edit	Remove
allocDir	/U01/retail/alloc/alloc-batch/batch	Edit	Remove

The system options are a set of key-value pair of attributes and values specific to the given schedule.

The user can edit the values, remove or add options.

System Settings

Select the System button in the System Configuration tab to view the system configuration for Process Orchestration and Monitoring.

Figure 2–27 System Information Screen

Schedules System

POM 19.1.004

Environment Name
rgbuenterprisesit4

Customer Name
POM

Process Services URL
https://retail-oms-19.1.004-13/ProcessServices/services/private/

Platform Services URL
https://retail-oms-19.1.004-13/pom-domain/RetailAppsPlatformServices

Edit System Settings


Select the edit icon  in the System Information screen to open the System Settings window.

Figure 2–28 Edit System Settings Window

System Settings

System

Environment Name
rgbuenterprisesit4

Customer Name
POM

Environment

Process Services URL
https://retail-oms-19.1.004-13/ProcessServices/services

Platform Services URL
https://retail-oms-19.1.004-13/pom-domain/RetailAppsPlatformServices

Cancel Ok

The following settings are available in this window:

- **Environment Name** - This is the physical environments name such as '<customer name> stage 1'.
- **Customer Name**
- **Process Services URL** - This setting cannot be changed. It shows the value of POM's services URL.
- **Platform Services URL** - This setting cannot be changed. It shows the value of the Platform Services URL.

Select **OK** to save the changes, or select **Cancel** to exit the window without saving changes.

Global Edit

Select the Global Edit button to open the Global Edit screen. This screen sets configurations for all the schedules. Refer to the sections above for explanation of the different configurations.

Figure 2–29 Global Edit Screen

The screenshot shows the 'Global Edit' window. At the top, there is a header 'Global Edit' and a blue information bar that says 'Select fields to apply as updates to all schedules.' Below this, the 'Settings' section contains a table with columns 'Apply', 'Label', and 'Value'. The 'Apply' column has checkboxes for 'Data Retention Days', 'Long Run Average Time Multiplier', 'Business Date', 'Background Jobs', 'External Dependencies', and 'InterSchedule Dependencies'. The 'Value' column shows corresponding input fields: two spinners for the first two, a date picker for 'Business Date', and three toggle switches for the last three. Below the 'Settings' section is the 'External Configuration' section, also with 'Apply', 'Label', and 'Value' columns. It includes checkboxes for 'External URL', 'External Status Update Mode', and 'Credentials'. The 'Value' column for 'External URL' is a text field, for 'External Status Update Mode' is a dropdown menu showing 'ALL', and for 'Credentials' is a form with 'Username' and 'Password' text fields.

Apply	Label	Value
<input type="checkbox"/>	Data Retention Days	Spinner
<input type="checkbox"/>	Long Run Average Time Multiplier	Spinner
<input type="checkbox"/>	Business Date	Date Picker
<input type="checkbox"/>	Background Jobs	Toggle Switch
<input type="checkbox"/>	External Dependencies	Toggle Switch
<input type="checkbox"/>	InterSchedule Dependencies	Toggle Switch

Apply	Label	Value
<input type="checkbox"/>	External URL	Text Field
<input type="checkbox"/>	External Status Update Mode	Dropdown Menu (ALL)
<input type="checkbox"/>	Credentials	Username and Password Text Fields

Use the **Apply** check boxes to activate the fields for the settings to be applied to all schedules. The following settings can be applied to all schedules:

- Data Retention Days
- Long Run Average Time Multiplier
- Business Date
- Background Jobs
- External Dependencies
- InterSchedule Dependencies
- External URL
- External Status Update Mode

- Credentials:
 - Username
 - Password

Batch Administration

The batch administration screen provides the ability to maintain information specific to the batch schedule.

Select **Batch Administration** in the [Navigation Area](#) to open the Batch Administration tab.

Figure 2–30 Batch Administration

Enabled	Job	Process Name	Application	Module	Parameters	Active Parameter	External Status Update	Skip On Error	Threshold Run Time (Sec)	Notes	Job Name
<input type="radio"/> No	ADMIN_API_PURGE_JOB	ADMIN_API_PURGE_PROCESS	RMS		admin_api_purge.ksh #SysOpt.dbwallet		None		0		admin_api_purge
<input checked="" type="radio"/> Yes	ALC_DASHBOARD_REFRESH_JOB	ALC_DASHBOARD_REFRESH_PROCESS_ADH...	ALLOC		#SysOpt.AllocApplUser		None		0		AlcDashb...
<input checked="" type="radio"/> Yes	ALC_PLAN_JOB	ALC_PLAN_PROCESS_ADHOC	ALLOC		#SysOpt.dbwallet		None	<input checked="" type="checkbox"/>	0		alc_plan...
<input checked="" type="radio"/> Yes	ALLOCDT_JOB	ALLOCDT_PROCESS_ADHOC	RMS		allocdt.ksh #SysOpt.dbwallet		None		0		allocdt.k...
<input checked="" type="radio"/> Yes	ASYNCR_JOB_STATUS_RETRY_CLEANUP_JOB	ASYNCR_JOB_STATUS_RETRY_CLEANUP_PRO...	RMS		asynchr_job_status_retry_cleanup.ksh #SysOpt...		None		0		asynchr_j...
<input checked="" type="radio"/> Yes	BATCH_RFMCURRCORRN_JOB	BATCH_RFMCURRCORRN_PROCESS_ADHOC	RMS		batch_rfmcurrcorrn.ksh #SysOpt.dbwallet		None		0		batch_rfm...
<input checked="" type="radio"/> Yes	BDI_DeliverySlot_Fnd_Pf_From_RMS_JOB	BDI_DeliverySlot_Fnd_Pf_From_RMS_PROCE...	RMS		DeliverySlot_Fnd_ProcessFlow_From_RMS D...		None		0		none
<input checked="" type="radio"/> Yes	BDI_DIRGp_Fnd_Pf_From_RMS_JOB	BDI_DIRGp_Fnd_Pf_From_RMS_PROCESS...	RMS		DIRGp_Fnd_ProcessFlow_From_RMS DIRG...		None		0		none
<input checked="" type="radio"/> Yes	BDI_DIF_Fnd_Pf_From_RMS_JOB	BDI_DIF_Fnd_Pf_From_RMS_PROCESS_INIT	RMS		DIF_Fnd_ProcessFlow_From_RMS DIF_Fnd_E...		None		0		none
<input checked="" type="radio"/> Yes	BDI_InvAvailStore_Ts_Pf_From_RMS_JOB	BDI_InvAvailStore_Ts_Pf_From_RMS_PROCE...	RMS		InvAvailStore_Ts_ProcessFlow_From_RMS Inv...		None		0		none
<input checked="" type="radio"/> Yes	BDI_InvAvailWh_Ts_Pf_From_RMS_JOB	BDI_InvAvailWh_Ts_Pf_From_RMS_PROCE...	RMS		InvAvailWh_Ts_ProcessFlow_From_RMS InvA...		None		0		none
<input checked="" type="radio"/> Yes	BDI_ItemHdTL_Fnd_Pf_From_RMS_JOB	BDI_ItemHdTL_Fnd_Pf_From_RMS_PROCE...	RMS		ItemHdTL_Fnd_ProcessFlow_From_RMS It...		None		0		none

Batch Administration Header

The Batch Administration header includes the following options:

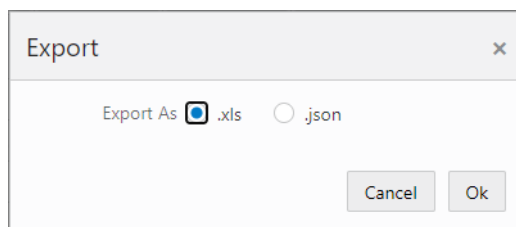
1. **Batch Tiles** - There is a batch tile for each software environment Process Orchestration and Management connects to. Select a tile to show the batch processes for that environment. See ["Batch Tiles"](#) for more information about these tiles.
2. **Cycle Tabs** - Displays the cycles for which batch information is to be maintained.

Select a cycle tab to see the batch details for that cycle. The following cycles are available:

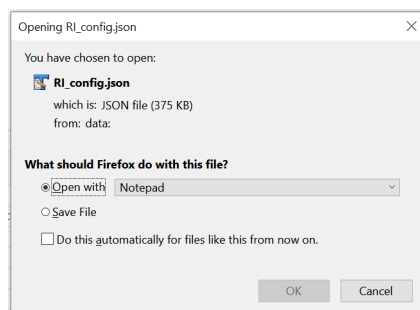
- Nightly
- Recurring
- Standalone

3. **Export Config** - Use this button to export configurations for the selected schedule and cycle. These configurations include Scheduler tasks, throttle values, data retention values and (most importantly) which jobs are enabled or disabled.

When clicked, the user is presented with a dialog for selecting the type of file to export (JSON or Excel)



Depending on the user's browser setting, the file is either saved in the default local file system directory or a file save/open dialog is presented first.

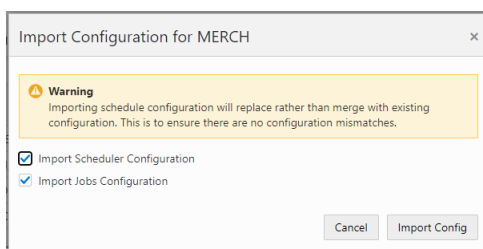


If the export is done for the purpose of applying the same configurations on another environment (Lift & Shift), the user is recommended to export to a JSON file. This file is then used in the Import Config function (explained below) to import the configurations into another environment.

The user has the option to manipulate the exported file before importing back into the same environment or a different one. In that case an export to an Excel file is more suitable for ease of manipulation. Caution needs to be taken when manipulating the content of the exported file, especially for maintaining proper data format.

Refer to the *Process Orchestration and Monitoring Implementation Guide* for details on applying changes to the exported spreadsheet before importing it back in.


4. **Import Config** - Use this button to import new batch configurations for the selected schedule and cycle. When clicked, the user is presented with a dialog to select the desired type of import.




The user can select to import Scheduler tasks configuration or Jobs configuration or both. The jobs configuration includes such settings as throttle values, data retention values, enabled/disabled setting.

Once the import type is selected and the Import Config button is clicked, the user is presented with a file selector dialog (not shown). User can then choose to import a JSON or an Excel file.

- When a schedule is being upgraded using the Schedule Maintenance screen or when the schedule upgrade has failed, the user is prevented from most activities on the Batch Monitoring and on the Batch Administration screen.

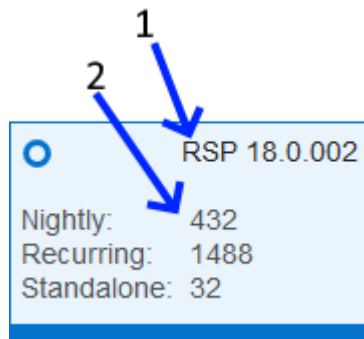
 Some features are disabled while a schedule is being imported

 Some features are disabled while a schedule is in a failed state

Batch Tiles

Each tile displays the following information:

Figure 2-31 Batch Tile



- Schedule Name and Version** - Displays the abbreviation of the application or application group and the software version.
- Cycles and Statuses** - Displays the number of batch processes for each cycle.

Batch List



The information in the batch list depends upon the cycle chosen:

- Nightly
- Recurring
- Standalone

Actions Menu and Icons

See "[Action Menu and Icons](#)" for common actions that can be performed through the Action menu and the icons. You can also perform the following actions:

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

Actions Menu/Icons	Description
Edit and Edit icon 	Select an item in the table, then select Actions > Edit or the edit icon  to edit the item.
Enable All	Use the Actions > Enable All or the Enable All button to put the process on hold.
Disable All	Use the Actions > Disable All or the Disable All button to skip the process.

View Menu

See ["View Menu"](#) for information about the options in the View menu.

Nightly

The nightly cycle displays the following information for each batch:

Figure 2–32 Nightly Batch List

MERCH Nightly

Actions View Enable All Disable All

Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
Enabled	Job	Process Name	Application	Module	Parameters	Active Parameter	External Status Update	Skip On Error	Thre Time
<input type="radio"/> Yes	ALC_DAILY_CLEANUP_JOB	ALC_DAILY_CLEANUP_PROCESS	ALLOC		#SysOpt.AllocAppUser	#SysOpt.Al...	None	✓	0
<input type="radio"/> Yes	ALC_DASHBOARD_REFRESH_JOB	ALC_DASHBOARD_REFRESH_PROCESS	ALLOC		#SysOpt.AllocAppUser	#SysOpt.Al...	None	✓	0
<input type="radio"/> Yes	ALC_PLAN_LOAD_JOB	ALC_PLAN_TRANSFORM_LOAD_PROCE...	ALLOC		plan_01.dat 1	plan_01.da...	None	✓	0
<input type="radio"/> Yes	ALC_PLAN_TRANSFORM_JOB	ALC_PLAN_TRANSFORM_LOAD_PROCE...	ALLOC		#SysOpt.AllocAppUser	#SysOpt.Al...	None	✓	0
<input type="radio"/> Yes	ALC_PURGE_ALLOC_JOB	ALC_PURGE_ALLOC_PROCESS	ALLOC		#SysOpt.AllocAppUser PURGE_ALLOC	#SysOpt.Al...	None	✓	0
<input type="radio"/> Yes	ALC_PURGE_WRK_JOB	ALC_PURGE_WRK_PROCESS	ALLOC		#SysOpt.AllocAppUser PURGE_WORKSH...	#SysOpt.Al...	None	✓	0
<input type="radio"/> Yes	ALC_RECEIPT_LOAD_JOB	ALC_RECEIPT_TRANSFORM_LOAD_PR...	ALLOC		receipt_01.dat 1	receipt_01....	None	✓	0
<input type="radio"/> Yes	ALC_RECEIPT_TRANSFORM_JOB	ALC_RECEIPT_TRANSFORM_LOAD_PR...	ALLOC		null	null	None	✓	0
<input type="radio"/> Yes	ALC_SCHEDULER_JOB	ALC_SCHEDULER_PROCESS	ALLOC		#SysOpt.AllocAppUser	#SysOpt.Al...	None	✓	0
<input type="radio"/> Yes	ALC_SHRINK_SESSION_JOB	ALC_SHRINK_SESSION_PROCESS	ALLOC		#SysOpt.AllocAppUser	#SysOpt.Al...	None	✓	0
<input type="radio"/> Yes	ALC_SIZE_PROFILE_LOAD_JOB	ALC_SIZE_PROFILE_TRANSFORM_LOA...	ALLOC		profile_01.dat 1	profile_01....	None	✓	0
<input type="radio"/> Yes	ALC_SIZE_PROFILE_TRANSFORM_JOB	ALC_SIZE_PROFILE_TRANSFORM_LOA...	ALLOC		null	null	None	✓	0
<input type="radio"/> Yes	ALC_SNAP_SHOT_ALLOC_IN_JOB	ALC_SNAP_SHOT_ALLOC_IN_PROCESS	ALLOC		#SysOpt.AllocAppUser	#SysOpt.Al...	None	✓	0
<input type="radio"/> Yes	ALC_SNAP_SHOT_ALLOC_OUT_JOB	ALC_SNAP_SHOT_ALLOC_OUT_PROCESS	ALLOC		#SysOpt.AllocAppUser	#SysOpt.Al...	None	✓	0
<input type="radio"/> Yes	ALC_SNAP_SHOT_CROSS_LINK_JOB	ALC_SNAP_SHOT_CROSS_LINK_PROCE...	ALLOC		#SysOpt.AllocAppUser	#SysOpt.Al...	None	✓	0

- Enabled
- Job - Click the Job to open the batch in the [Batch Job Details](#) screen.
- Process Name
- Application - A schedule may be made up of multiple applications. There needs to be at least one application.
- Module - An application may be made up of multiple modules. Modules within an application are optional.
- Parameters - A job may be run with a list of input parameters. This column always shows the original list of parameters.
- Active Parameter - This column shows the customized list of parameters.
- External Status Update - Job status for which POM is to call a customer's URL. The URL is defined in the External Configuration section of the System Configuration screen. This column has the following possible values:
 - ALL - POM will make a call for this job's execution regardless of success or failure.
 - FAILED - POM will make a call only for if this job fails.
 - NONE - POM will not make a call.
- Skip On Error - Skip this job if it fails.
- Threshold Run Time (Seconds) - Amount of time greater than which the job is deemed long running.
- Notes
- Job Name
- Job Wrapper Name
- Days of the Week - Days of the week for which the job is to be run.

Recurring

The Recurring cycle includes an **Hourly Cycle** menu. Select an hour in this menu to choose the hour of the day during which the displayed jobs will run.

The recurring cycle includes the following information for each batch:

Figure 2–33 Recurring Batch List

Flows

Filter by Flow Name

ACTIVITY_SCHED_PURGE_CYCLE

BDI_PRICING_CLR_TX_CYCLE

BDI_PRICING_PC_TX_CYCLE

BDI_PRICING_PROMO_OFFER_TX_C

BDI_REIM_INV_MATCH_DOC_TX_C

BUYER_WKSHT_PURGE_CYCLE

COMP_PRICING_PURGE_CYCLE

CONTRACT_PURGE_CYCLE

ACTIVITY_SCHED_PURGE_CYCLE Jobs

Actions View Filter

Enabled Job Process Name Application Module Parameters

No ACTIVITY_SCHED_PURGE_CYCLE_PRO... RMS bldwrap ksh #SysOpt.dbrail

- Flows - Select a flow in the Flows list to view all jobs for that flow. The following information is shown for each flow:
 - Flow Name
 - Enabled or Disabled
- Jobs - The Jobs list shows the following information for each job. Refer to the Nightly cycle above for an explanation of each field:
 - Enabled
 - Job - Click the Job to open the batch in the [Batch Job Details](#) screen.
 - Process Name
 - Application
 - Module
 - Parameters
 - Active Parameter
 - External Status Update
 - Skip On Error
 - Threshold Run Time (Seconds)
 - Notes
 - Job Name
 - Job Wrapper Name
 - Days of the Week

Figure 2–35 Batch Job Details

Batch Job Details
Job: AUCDDETAILSSIDE_JOB

Pre Dependencies

Enabled	Job	Process
<input checked="" type="radio"/> Yes	DISCTPSIDE_JOB	DISCTPSIDE_PROCESS

Post Dependencies

Enabled	Job	Process
<input checked="" type="radio"/> Yes	DCMANAGEMENTSIDE_JOB	DCMANAGEMENTSIDE_PROCESS

External Dependencies

+ Add

Enabled	Job	Process
<input checked="" type="radio"/> Yes	ExternalJob	

Remove

Inter-Schedule Dependencies

+ Add

Enabled	Job	Process	Schedule
<input checked="" type="radio"/> Yes	W_VRTL_CURR_MICALS_JOB	ADVANCE_DATE_PROCESS	BI

Remove

Schedule Links

+ Add

Enabled	Job	Process	Schedule
<input checked="" type="radio"/> Yes	GENERIC_BATCHABLE_MANAGER_JOB	BATCH_INITIAL_START_PROCESS	BI

Remove

Open F42 Save

Pre Dependencies

This section displays the following information about a job's pre-dependencies:

- Enabled - Switch to enable or disable the pre-dependency.
- Job
- Process

Post Dependencies

This section displays the following information about a job's post-dependencies:

- Enabled - Switch to enable or disable the post-dependency.
- Job
- Process

External Dependencies

This section allows for the maintenance of the following information about a job's external dependencies. An external dependency is normally a process internal to a customer's system.

- Enabled - Switch to enable or disable the external dependency.
- Job
- A **Remove** button is available to delete the external dependency.

Inter-Schedule Dependencies

This section allows for the maintenance of the following information about a job's inter-schedule dependencies. An inter-schedule dependency is a dependency for the current job on a job belonging to another batch schedule. The job for which this Jobs Detail screen is shown will wait for the job entered here.

- Enabled - Switch to enable or disable the inter-schedule dependency.
- Job - Name of job belonging to the other schedule.
- Process - Name of process containing Job.
- Schedule - Name of other schedule containing the dependency.
- A **Remove** button is available to delete the inter-schedule dependency.

Schedule Links

This section allows for the maintenance of the following information about schedule links for a job. Schedule links are a way to link schedules together where the completion of the job in the current schedule causes the start of execution of the dependent schedule.

- Enabled - Switch to enable or disable the schedule link.
- Job - Name of job belonging to the dependent schedule.
- Process - Name of process containing Job.
- Schedule - Name of the dependent schedule.
- A **Remove** button is available to delete the schedule link.

Scheduler Administration

The Scheduler Administration screen displays information about the different cycles' Scheduler tasks and allows for their administration.

When an application's batch schedule is first created within POM, Scheduler tasks are created for each of the different cycles as follows:

- One task for Nightly
- One task for each of the recurring flows
- One task for each of the standalone processes

The tasks are all originally created in a disabled state.

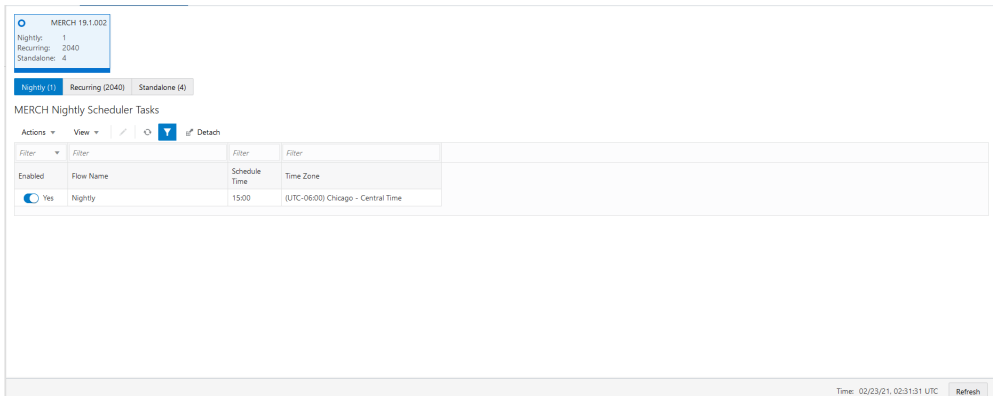
An administrator would then access the Scheduler Administration screen to configure all available tasks according to the specific customer's needs.

Nightly Scheduler Task Administration

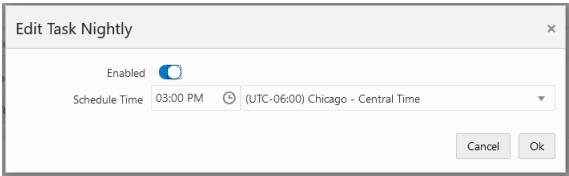
On the Scheduler Administration screen, the user selects a schedule tile at the top of the screen and the Nightly tab right below the tile. The Nightly cycle's Scheduler task is shown in the tasks table below.

Note: There is only one Nightly Scheduler task, as there is only one Nightly batch run.

Figure 2-36 Nightly Scheduler Task Administration



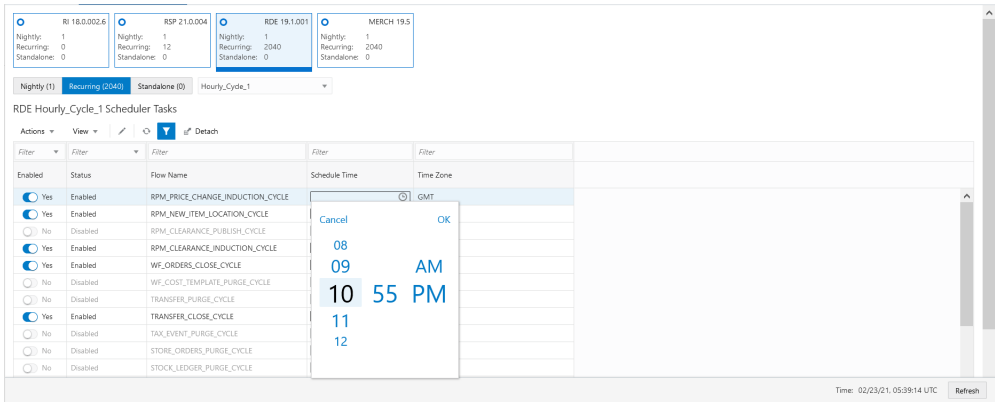
The user can either edit the schedule time in-line or select the row, click the edit icon then edit the schedule run time in the Edit Task Nightly popup.



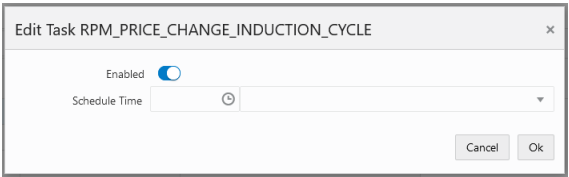
Recurring Scheduler Tasks Administration

On the Scheduler Administration screen, the user selects a schedule tile at the top of the screen then the Recurring tab right below the tile then the hourly flow from the drop down to the right of the Recurring tab. The Recurring flow's Scheduler tasks are shown in the tasks table.

Figure 2–37 Recurring Scheduler Tasks Administration



The user can either edit the schedule time for each task in-line or select a task, click on the edit icon then edit the schedule run time in the Edit Task popup.



Standalone Scheduler Tasks Administration

In the Scheduler Administration screen, the user selects a schedule tile at the top of the screen and the Standalone tab right below the tile. The Standalone cycle's Scheduler tasks are shown in the tasks table.

Figure 2-38 Standalone Scheduler Tasks Administration

MERCH 19.1.002
Nightly: 1
Recurring: 2040
Standalone: 4

Nightly (1) | Recurring (2040) | Standalone (4)

MERCH Adhoc Scheduler Tasks

Actions View Filter Edit X Detach

Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
Enabled	Process Name	Description	Frequency	Limit occurrences	Prevent start during nightly	Schedule Time	Time Zone
<input checked="" type="checkbox"/> Yes	REPL_INDCNTN_PURGE_PROCESS_ADHOC	Purge Replenish Records	Every 15 minutes	1	<input checked="" type="checkbox"/>	0000	(UTC+05:30) Calcutta - India Standard Time
<input checked="" type="checkbox"/> Yes	LIKESTOREBATCH_PROCESS_ADHOC	Run Like Store batch	Every 15 minutes		<input checked="" type="checkbox"/>	1100	(UTC+05:30) Calcutta - India Standard Time
<input checked="" type="checkbox"/> Yes	BDL_Vat_Fnd_Pf_Frm_RMS_PROCESS_INIT	Vat BDL	Daily		<input checked="" type="checkbox"/>	1600	(UTC+05:30) Calcutta - India Standard Time
<input checked="" type="checkbox"/> Yes	REPL_INDCNTN_PURGE_PROCESS_ADHOC	Purge Replenish Records 2	Every 15 minutes		<input checked="" type="checkbox"/>		GMT

Time: 02/23/21, 06:50:36 UTC Refresh

The user can either edit the schedule time for each task in-line, or select a task then click the edit icon to change any of the fields shown in the Edit popup below.

The user can also create and delete Standalone tasks.

Note: The user has the option to enter a blank time as long as a frequency in minutes is entered. This will cause the first occurrence to execute immediately.

Edit Task REPL_INDCNTN_PURGE_PROCESS_ADHOC

Enabled ☒

Description
Purge Replenish Records

Frequency
Minutes 15

Limit occurrences
1

Schedule Time
12:00 AM (UTC+05:30) Calcutta - India Standard Time

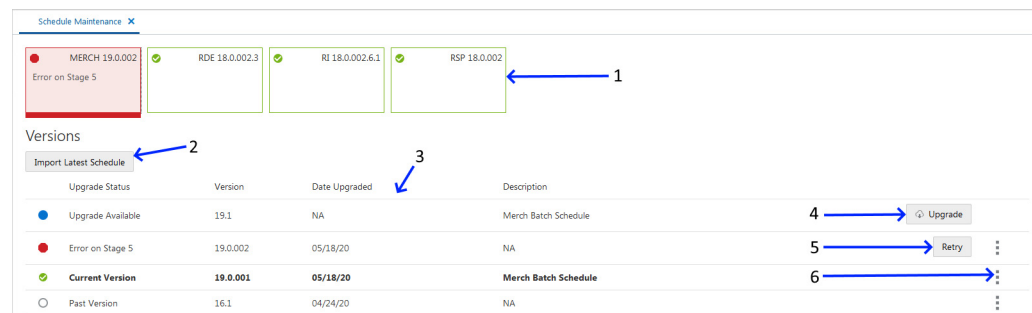
Prevent start during nightly ☒

Cancel Ok

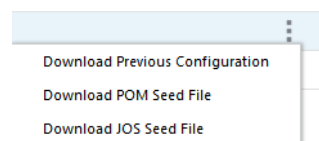
Note: The **Prevent start during nightly** switch prevents the task from running while the Nightly batch is running. However, it won't stop a run that is in progress when the Nightly process starts.

Schedule Maintenance

The Schedule Maintenance screen displays information about the batch schedule upgrade results. You can upgrade a batch schedule to a new version through this screen.

Figure 2–39 Schedule Maintenance Tab

1. **Batch Tiles** - There is a batch tile for each schedule available in Process Orchestration and Management. Select a tile to show the history of the selected schedule's upgrades or available upgrades.
2. **Import Latest Schedule** - Use this button to upgrade the selected schedule from a spreadsheet. When clicked, a file selector dialog is displayed (not shown).
The import file is a spreadsheet.
3. **Update History Status List** - Displays information about each past or available upgrade of the batch schedule. This menu displays the following information for each batch upgrade:
 - Upgrade Status
 - Version
 - Date Upgraded
 - Description
4. **Upgrade** - Use this button to upgrade the schedule. This button only appears for schedules for which an upgrade available.
5. **Retry** - Use this button to retry a failed update. This button only appears for schedules that have not completed successfully.
6. **Download files menu** - Use this menu to download schedule files. See "[Download Files](#)" for more information.



Download Files

Click on the ellipses then select from the download files menu to download files for an upgrade version. This menu has the following options:

- [Download Previous Configuration](#)
- [Download POM Seed File](#)
- [Download JOS Seed File](#)

Download Previous Configuration

Use the **Download Previous Configuration** option to download a file containing the specific schedule version configurations. This file is in JSON format.

Download POM Seed File

Use the **Download POM Seed File** to download an SQL file with POM seed data for the specific schedule version.

Download JOS Seed File

Use the **Download JOS Seed File** option to download an XML file with JOS Job Admin seed data for the specific schedule version.

Footer

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 30 minutes on page load which means the Auto Refresh is turned off.

Use the **Refresh** button to refresh the screen immediately.

Last refreshed shows the time and date of the last refresh of the interface.

AMS Utilities

The AMS Utilities are functions performed only by the Oracle administrators.

Select **AMS Utilities** in the Navigation Area to open the AMS Utilities tab.

Manual Job Run

The AMS Utilities screen contains multiple utilities, the first of which is the Manual Job Run. An Oracle administrator uses this utility to run a job for a particular schedule from either the Nightly or Hourly cycle. Once the selections are made, the user clicks on Run to submit the job for execution. The user then uses the Batch Monitoring screen to monitor the execution of the job.

Note that a job that is manually run on this UI is run standalone without regard to dependencies.

Figure 2–40 Manual Job Run

Manual Job Run

Running a Job manually would simply run the job without regard to its dependencies. These Jobs will not be re-run when the Cycle is running.

Schedule

Cycle

Job

Run

User Roles

Roles are used to classify users based on job responsibilities and actions to be performed in the Oracle Retail Process Orchestration and Monitoring application (POM). Using roles, a user's access can be restricted to specific areas or functions within the application. In POM, users must be associated with at least one job role in order to access the application.

The following topics are covered in this chapter:

- [Roles](#)
- [Functional Access by Role](#)

Roles

POM comes available with a set of pre-defined roles described in the table below. In addition to the roles, the table contains an alias for each role which is used in the next section for easier reading.

Note: The first three roles have thus far been associated with POM's classic user interface and are being deprecated along with the classic user interface itself. Customers need to migrate to the other four roles before those classic roles are removed.

These roles have been given similar access in the new user interface as the access they had in the classic user interface.

Table 3–1 Roles

Role	Alias	Description
BATCH_MONITORING_JOB	Monitor	One of the classic user interface roles. Users within this role are typically retailer administrators responsible for monitoring and executing batch. They can perform select activities on the Batch Monitor screen to move the schedule along.
BATCH_BUSINESS_JOB	Business User	Another one of the classic user interface roles. Users within this role are typically retailer business users responsible for just monitoring batch and configuring POM to enable callbacks into the Company's systems.

Table 3–1 (Cont.) Roles

Role	Alias	Description
BATCH_ADMINISTRATOR_JOB	Administrator	<p>Another one of the classic user interface roles. Users within this role are typically Oracle AMS administrators who monitor, maintain and configure the batch schedules. They also maintain POM application configurations for efficient operations. They troubleshoot batch issues and work with other Oracle development and support personnel to address those issues. Finally they apply POM and batch schedule patches and upgrades.</p> <p>In the new POM user interface, they have additionally been given access to the new AMS Utilities screen.</p>
BATCH_VIEWER_JOB	Viewer	<p>Users within this role are retailer business users responsible for just monitoring batch. They have view access to all POM screens except AMS Utilities.</p>
BATCH_SCHEDULE_CONFIGURATION_MANAGER_JOB	Schedule Config Mgr	<p>Users within this role are typically retailer administrators responsible for just monitoring batch and configuring external dependencies and callbacks into the Company's systems. They have view access to all POM screens except AMS Utilities.</p>
BATCH_SCHEDULE_ADMINISTRATOR_JOB	Schedule Admin	<p>Users within this role are typically retailer administrators responsible for maintaining monitoring and executing batch. They have view access to all POM screens except AMS Utilities. They can perform select activities on the Batch Monitor screen to move the schedule along. They also have update access to the Batch Administration screen.</p>
BATCH_ORACLE_AMS_ADMINISTRATOR_JOB	AMS Admin	<p>Users within this role are typically Oracle AMS administrators who monitor, maintain and configure the batch schedules. They also maintain POM application configurations for efficient operations. They troubleshoot batch issues and work with other Oracle development and support personnel to address those issues. Finally they apply POM and batch schedule patches and upgrades.</p>

Functional Access by Role

This section lists all roles that have update access for each functional aspect of every screen. It is organized by screen, except for the first two tables.

Table 3–2 External Integration

Feature	Roles (aliases) with access
Invoking batch execution from an external system	Monitor Schedule Admin
Requesting the status of a batch execution	Administrator
Releasing dependency on an external process	AMS Admin

Table 3–3 POM Task Menu

Feature	Roles (aliases) with access
Show Batch Monitoring task	Monitor Business User Administrator Viewer Schedule Config Mgr Schedule Admin AMS Admin
Show System Configuration task	Business User Administrator Viewer Schedule Config Mgr Schedule Admin AMS Admin
Show Batch Administration task	Administrator Viewer Schedule Config Mgr Schedule Admin AMS Admin
Show Scheduler Administration task	Administrator Monitor Schedule Admin AMS Admin
Show Schedule Maintenance task	Administrator Viewer Schedule Config Mgr Schedule Admin AMS Admin
Show AMS Utilities task	AMS Admin

Table 3–4 Screen: Batch Monitoring

Feature	Roles (aliases) with update access
Buttons for Create Schedule, Close Schedule and Restart Schedule	Monitor Schedule Admin Administrator AMS Admin
Jobs table on Batch Monitoring screen - Buttons for Run, Rerun, Hold, Release, Skip, Release Skip, and action for Add Comments	Monitor Schedule Admin Administrator AMS Admin
Jobs table Actions menu on Batch Monitoring screen - Edit Parameters (for selected job)	Monitor Schedule Admin Administrator AMS Admin
Job Details screen - Enable/Disable External Dependencies	Monitor Administrator Schedule Config Mgr Schedule Admin AMS Admin
Job Details screen - Retry Schedule Link button	Monitor Administrator AMS Admin
Job Details screen - Retry Callback button	Monitor Administrator AMS Admin
Execution Engine admin dialog Configuration	Administrator AMS Admin
Execution engine admin dialog start, stop, and force shutdown buttons	Monitor Administrator AMS Admin
Download Job Log	All authenticated users
Download Cycle Summary	All authenticated users
Scheduler Tasks Monitoring and actions	Monitor Administrator Schedule Admin AMS Admin

Table 3–5 Screen: System Configuration

Feature	Roles (aliases) with update access
System tab - Update actions	Administrator AMS Admin

Table 3–5 (Cont.) Screen: System Configuration

Feature	Roles (aliases) with update access
Schedule tab - Update actions for general & environment settings	Administrator AMS Admin
Schedule tab - Job admin system options dialog	Administrator AMS Admin
Schedule tab - Update actions for MDF configuration	Administrator AMS Admin
Schedule tab - Update actions for job admin throttling configuration	Administrator AMS Admin
System tab - Update actions for external configurations	Business User Administrator Schedule Config Mgr Schedule Admin AMS Admin
Global Edit - Settings updates	Administrator AMS Admin
Global Edit - External Configuration updates	Business User Administrator Schedule Config Mgr Schedule Admin AMS Admin

Table 3–6 Screen: Batch Administration

Feature	Roles (aliases) with update access
Export Config and Import Config buttons	Administrator Schedule Admin AMS Admin
Enable/disable switch on each of the Recurring Flows and Jobs within each Flow	Administrator Schedule Admin AMS Admin
Jobs table on main UI - Edit and Enable/Disable actions	Administrator Schedule Admin AMS Admin
Batch Job Details - Enable/Disable Dependencies	Administrator AMS Admin
Batch Job Details - Create/Enable/Disable/Delete Inter-Schedule Dependencies	Administrator AMS Admin
Batch Job Details - Create/Enable/Disable/Delete Schedule links	Administrator AMS Admin

Table 3–6 (Cont.) Screen: Batch Administration

Feature	Roles (aliases) with update access
Batch Job Details - Create/Enable/Disable/Delete External Dependencies	Administrator Schedule Config Mgr Schedule Admin AMS Admin

Table 3–7 Screen: Scheduler Administration

Feature	Roles (aliases) with update access
All Functions on the Scheduler Administration screen	Monitor Administrator Schedule Admin AMS Admin

Table 3–8 Screen: Schedule Maintenance

Feature	Roles (aliases) with update access
All actions: Import Latest Schedule button, Upgrade, Retry buttons in table row Download Configuration and download POM & JOS seed data	Administrator AMS Admin

Table 3–9 Screen: AMS Utilities

Feature	Roles (aliases) with update access
Manual Job Run	Administrator AMS Admin