

**Oracle® Retail Process Orchestration and
Monitoring**

User Guide

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Oracle Retail Process Orchestration and Monitoring User Guide, Release 22.0.000

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?
- Are the examples correct? Do you need more examples?

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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

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

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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.

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

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

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

If a more recent version of a document is available, that version supersedes all previous versions.

Oracle Retail Documentation on the Oracle Technology Network

Oracle Retail product documentation is available on the following Web site:

<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.
monospace	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](#)

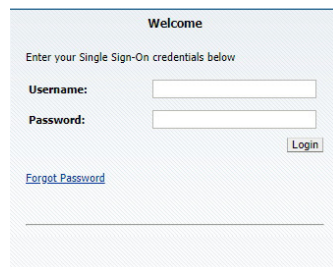
Logging on to the Application

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



The screenshot shows a web form titled "Welcome". Below the title, it says "Enter your Single Sign-On credentials below". There are two input fields: "Username:" and "Password:". To the right of the Password field is a "Login" button. Below the input fields is a link for "Forgot Password".

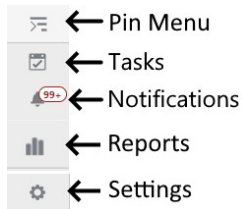
2. Provide the following login information:
 - a. Enter your user name in the **Username** field.

- 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](#)
- [Reports](#)
- [Settings](#)

Tasks

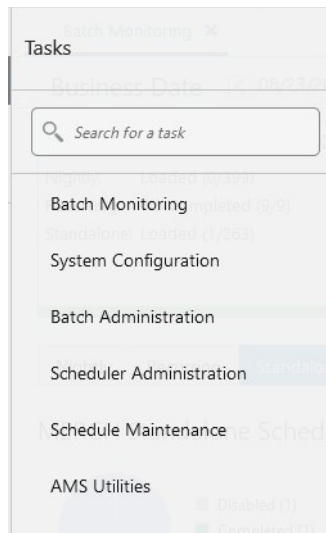
Oracle Retail applications support a variety of navigational tools and methods that allow you to move efficiently between application pages. Information on how to use and manage each of the tools and methods is included in this section.

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.

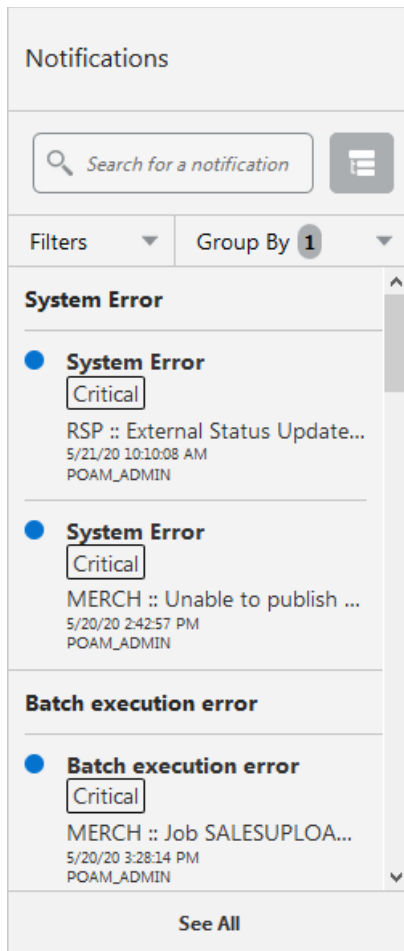
Note: Your task menu may appear slightly different, depending on your retail application.

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.

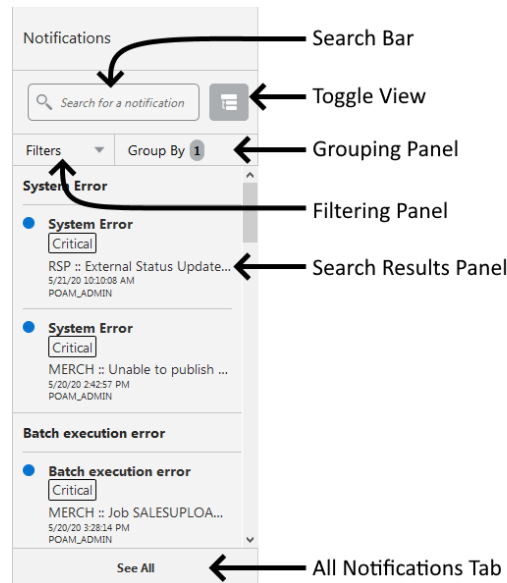
Figure 1–5 Notification Badge



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



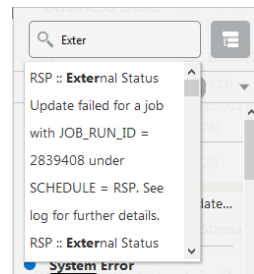
Each component of the Notifications Sidebar is discussed in detail in the following sections:

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



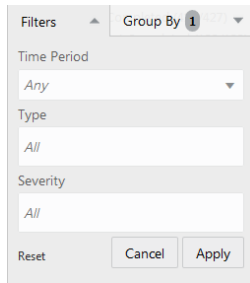
Filtering Panel

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.

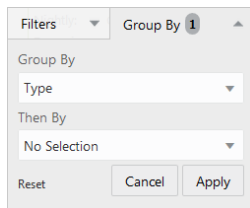
Figure 1–8 Filtering Panel



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

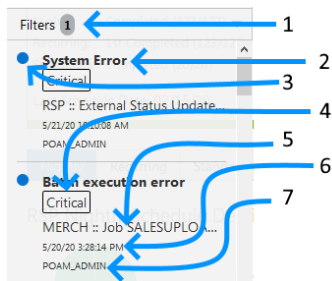


Results Panel - List View

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.

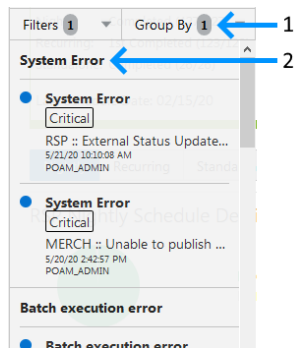
7. User name - Creator of the notification.

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.

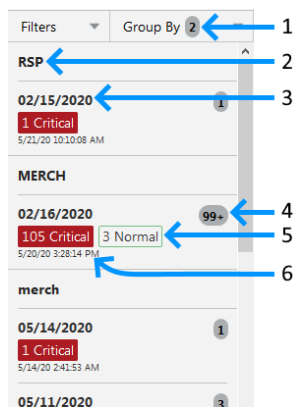
Results Panel - Summarized View

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

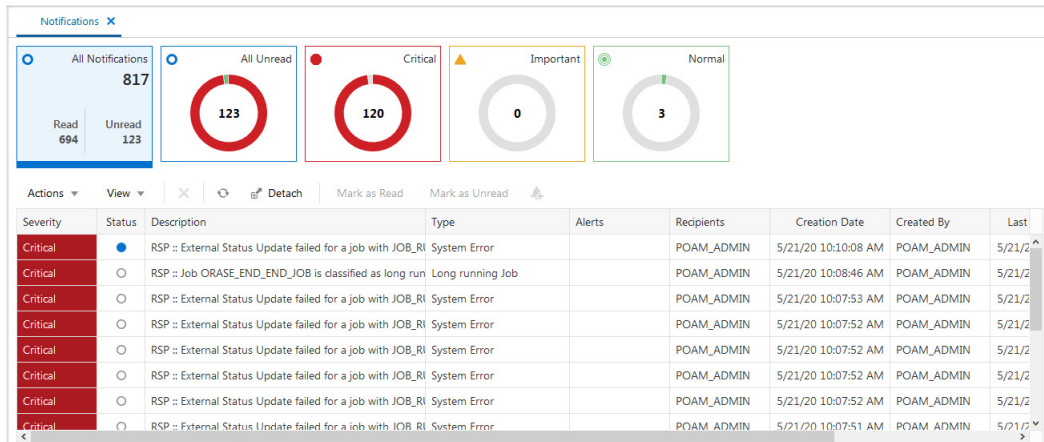


1. Indicates that both options on the Grouping Panel have been selected.
2. First level of grouping is by Schedule Name. Here the first type shown is 'RSP'.
3. The subgroup within Type 'RSP'. In this example, this is the Business Date.
4. The number of notifications within that combination of Group and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

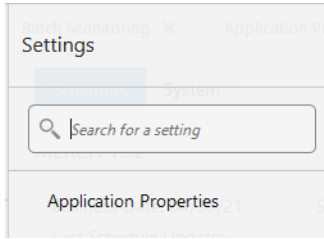
- Additional Information - Refers to the Additional Information attribute associated with the notification. Not visible by default.

Reports

The functionality of Reports works similar to the Tasks menu.

Settings

The Settings icon on the Navigation Bar displays the application's Settings menu when clicked. This menu differs per application and for POM, it contains the Application Properties menu item.



Application Properties

Application properties are key-value pairs of parameters and configuration settings used by POM to operate efficiently and to control the application's behavior. For instance, a property may exist to turn off certain features within the application or to set limits on different event timings. This screen is restricted to administrators as application inner-working expertise is needed for understanding the impact of each property.

Application properties are grouped by Deploy Names, so one needs to be provided for the search to return results.

Each property is provided with a default value in case a property value is not set. Each is also provided with a Deployment Restart attribute, which indicates whether a server restart is needed for a new value to take effect.

Deploy Name	Key Name	Key	Current Value	Default Value	Deployment Restart	Key Description
POM	Theme for the JET UI	jet.ui.theme		Alta	No	This property controls the theme used by the JET UI. Valid value
POM	Job XML Processing chunk size	job.xml.process.chunk.size		150	No	This Property determines the chunk size of job xml processing d
POM	MDF Synding strategy	mdf.async.unmatched.modules.resolve		DISABLE	No	This property will be used to determine how to sync unmatched mc
POM	MDF Version	mdf.version		1.2	No	This property is passed as an HTTP header to the MDF endpoint
POM	Multi-Language Support for Data Enabled	mls.enabled			No	Controls whether the multi-language support feature for data is
POM	Platform Services Security Administrator Role	platform.services.admin.roles		PLATFORM_SERVICES_ADI	No	The security role that will be used to restrict the platform serv
POM	Platform Services Security System Scope	platform.services.system.scope		rgbuzsprafsystem	No	The idcs app scope that will be used to restrict the platform serv
POM	Platform Services Security Role	platform.services.user.roles		PLATFORM_SERVICES_ADI	No	The security role that will be used to restrict platform services. O
POM	POM Async Job Manager fetch size	pom.async.job.manager.fetch.chunk.size		30	No	This property will be used by POM Async job Manager
POM	POM Async Job Manager fetch size	pom.async.job.manager.fetch.chunk.size		30	No	This property will be used by POM Async job Manager
POM	POM Async Job Manager Initial Time delay	pom.async.job.manager.init.delay		1	No	This property will be used by POM Async job Manager
POM	POM Async Job Manager Initial Time delay	pom.async.job.manager.init.delay		1	No	This property will be used by POM Async job Manager
POM	POM Async Manager Owner Application	pom.async.job.manager.owner.app			No	This property indicates the name of the application containing tr
POM	POM Async Job Manager Polling time Interval	pom.async.job.manager.poll.interval		30	No	This property will be used by POM Async job Manager
POM	POM Async Job Manager Polling time Interval	pom.async.job.manager.poll.interval		30	No	This property will be used by POM Async job Manager
POM	POM Async Job Manager stop indicator	pom.async.job.manager.shutdown.req		FALSE	No	This property tells the Async Manager to stop processing Async

The Application Properties page provides the following features:

- Search for application properties
- Filter application properties

- Sort application properties
- Update the value of an application property using the Edit Property dialog shown below:

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*

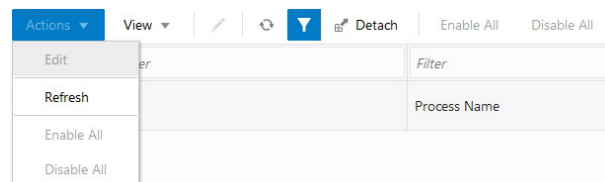


Table 1–1 *Actions Menu/Icons and Descriptions*







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.

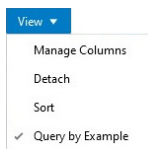
Table 1–1 (Cont.) Actions Menu/Icons and Descriptions



Actions Menu/Icon	Description
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
Manage Columns	<p>You can show or hide columns and change the order of the columns by selecting View > Manage Columns.</p> <p>This View menu option is only available for tables with a large number of columns.</p> <p>Note that the changes performed on the Manage Columns popup are persisted on the browser's cache and therefore are lost when the cache is cleared or when the browser is changed. Persistence of column preferences will be switched to the database in a future release, thereby preserving those preferences even when browser cache is cleared or when the browser is changed.</p>
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.

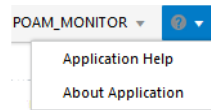
Table 1–3 Screen Level Action - Icons/Buttons and Description

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.

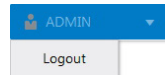
Figure 1–17 Application Help Menu



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](#)

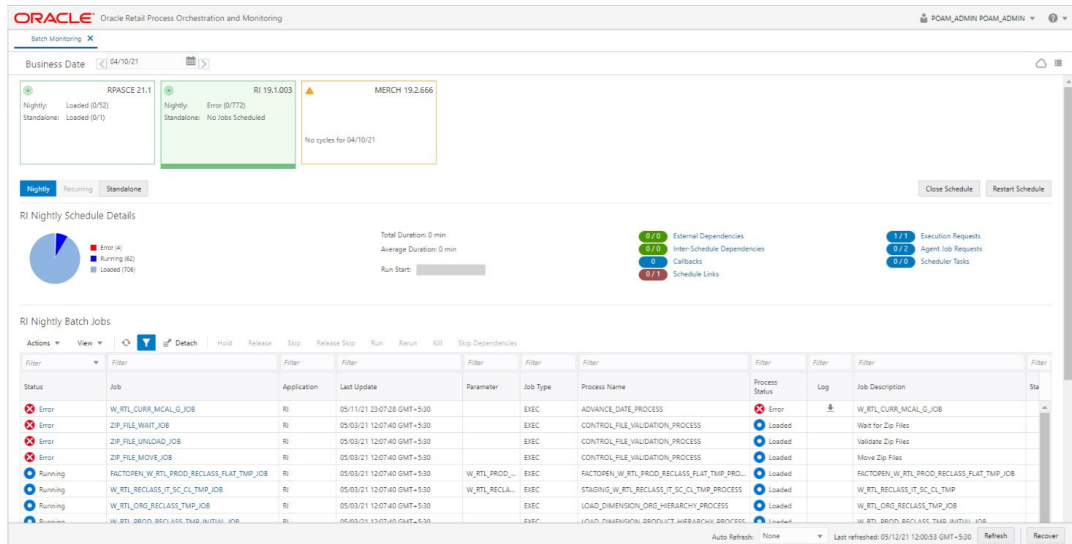
Batch Monitoring

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.

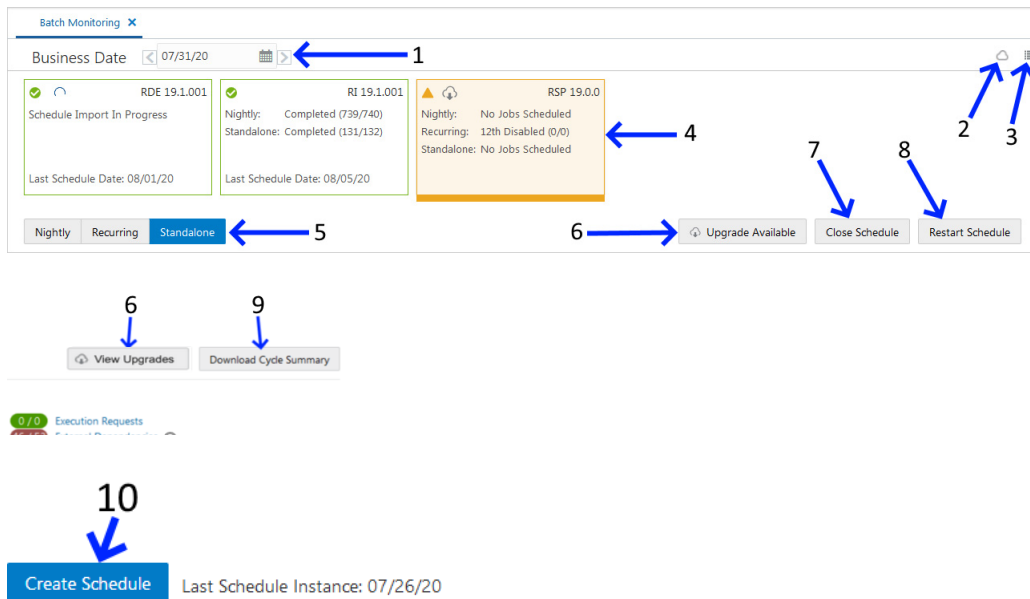
Figure 2–1 Batch Monitoring



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 Icon** - Click this icon to display a panel at the right side of the screen showing the status of the Scheduler, Execution Engine and the environments. The user can also manage the information displayed. See "Status" for more information.

3. **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.
4. **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.
5. **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
6. **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.
7. **Close Schedule** - Use this button to close the schedule. This button only appears for Active schedules.
8. **Restart Schedule** - Use this button to restart the schedule. This button only appears for Active schedules.
9. **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.
10. **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 Statures** - 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](#).
- **Agent Job Requests** - Displays the number of completed and total number of Agent job requests. Click to open the [Agent Job Requests Window](#) for the schedule and cycle selected.
- **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 Refresh Detach

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 Refresh Detach

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	ALLCFT_JOB	ALLCFT_PROCESS		

Done

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.

Agent Job Requests Window

The Agent Job Requests window displays information about batch requests submitted to the POM Agent. The agent is the component of POM usually deployed on the application server where the batch jobs actually execute.

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

Figure 2–6 Agent Job Requests Window

Status	Request ID	Type	Job	Process	Payload	Info	Agent ID	Application Name	Create Date	Start Time	End Time	Last Update Time	Execution Request ID
Error	1301	EXEC	W_RTL_CURR_MCAL_C_JOB	ADVANCE_DATE_PROCESS	Payload	Info	HOSTNAME	RI	05/03/21 19:00:00 CDT	04/08/21 19:00:00 CDT	04/08/21 19:00:00 CDT	05/03/21 19:00:00 CDT	200
Error	1300	EXEC	W_RTL_CURR_MCAL_C_JOB	ADVANCE_DATE_PROCESS	Payload	Info	ipbu-ghu-412	RI	05/03/21 04:45:40 CDT	05/03/21 04:45:42 CDT	05/03/21 04:46:13 CDT	05/03/21 04:46:13 CDT	161

Agent Job Requests

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

- Status - Possible values are Complete, Running, Error, Canceled and Loaded
- Request ID - Agent request ID
- Type - Possible values are EXEC (shell script based job) or RI/RASE/RPAS/BDI which are all values for service based jobs
- Job - job name
- Process - Process name
- Payload - Service payload in case the type corresponds to a service based job
- Info - Error Information in case the request is in Error status
- Agent Id - The identifier of the Agent which Initiates the job execution request
- Application Name
- Create Date
- Start Time
- End Time
- Last Update Time
- Execution Request Id
- Job Run Id
- Submitted

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 2-7 Nightly Scheduler Task Window

Figure 2-8 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.

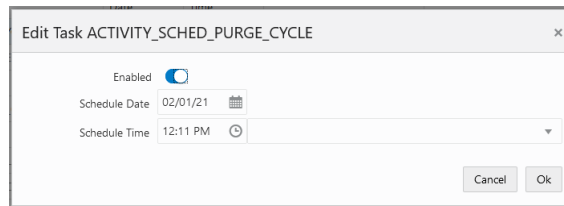


Figure 2–9 Standalone Scheduler Tasks Window

Task ID	Enabled	Status	Process Name	Description	Frequency	Limit occurrences	Prevent start during nightly	Schedule Date	Schedule Time	Next Schedule Run	Time
69626	Yes	Completed	LIKESTOREBATCH_PROCESS_ADHOC	Run Like Store batch	Daily		✓	02/24/21	02:45		ELTC
69510	Yes	Completed	DC_LOAD_PARTNERS_PROCESS	Test AJ	Daily		✓	02/23/21	16:41		ELTC
69627	Yes	Scheduled	BDI_Vat_Find_PF_From_RMS_PROCESS_INIT	Vat BDI	Daily		✓	02/24/21	16:00	2021-02-24 16:00	ELTC
69624	Yes	Scheduled	DC_LOAD_OTHERS_PROCESS	testmg	Daily		✓	02/24/21	21:00	2021-02-24 21:00	ELTC
69625	Yes	Scheduled	REPL_INDCN_PURGE_PROCESS_ADHOC	Purge Replenish Records	Every 15 minutes	1	✓	02/24/21	21:00	2021-02-24 21:00	ELTC
69628	Yes	Cancelled	SL_PURGE_VARIANCE_TBLS_PROCESS	Test with no start time	Every 1 minutes	2	✓				ELTC

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.

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

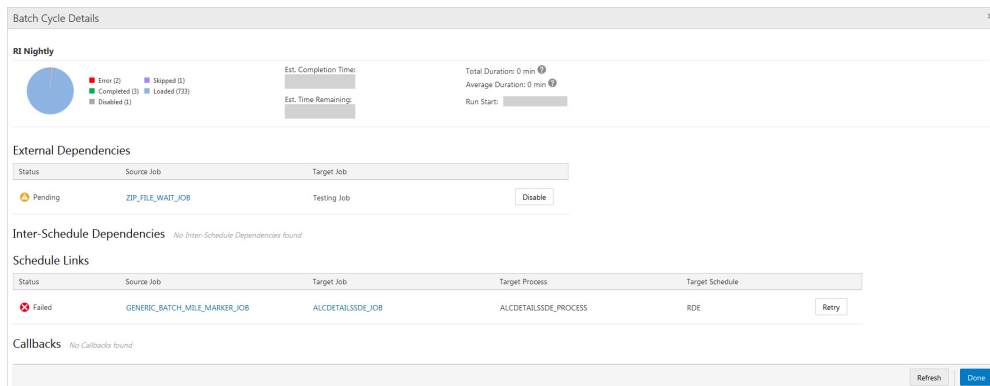
This section displays the following information about each task execution:

- 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	<input type="button" value="Disable"/>
 Pending	ZIP_FILE_WAIT_JOB	Testing Job	<input type="button" value="Disable"/>


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	ALCDTAILSSDE_JOB	ALCDTAILSSDE_PROCESS	RDE	<input type="button" value="Disable"/>


The Inter-Schedule Dependencies section lists all the inter-schedule batch job dependencies for the entire current Schedule. These dependencies are only shown 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	ALCDTAILSSDE_JOB	ALCDTAILSSDE_PROCESS	RDE	<input type="button" value="Disable"/>

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

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

RPASCE Nightly Batch Jobs

Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
Status	Job	Application	Last Update	Parameter	Job Type	Process Name	Process Status	Log	Job Description	Start Time	End Time	
Loaded	MFP_BATCH_AGG_D_JOB	MFP	05/10/21 01:43:49 CDT	solution=...	RPKS	MFP_BATCH_AGG_PROCESS	Loaded		MFP Batch Calculations Daily Job			
Loaded	MFP_BATCH_AGG_END_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_BATCH_AGG_PROCESS	Loaded		MFP Batch Calculations End Job			
Loaded	MFP_WB_BUILD_START_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_WB_BUILD_PROCESS	Loaded		MFP Workbook Build/Refresh Start Job			
Loaded	MFP_WB_BUILD_END_JOB	MFP	05/10/21 01:43:49 CDT	solution=...	EXEC	MFP_WB_BUILD_PROCESS	Loaded		MFP Workbook Build/Refresh End Job			
Loaded	MFP_WB_BUILD_D_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_WB_BUILD_PROCESS	Loaded		MFP Workbook Build/Refresh Daily Job			
Loaded	MFP_PRE_EXP_START_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_PRE_EXP_PROCESS	Loaded		MFP Pre Exports Start Job			
Loaded	MFP_PRE_EXP_RDX_D_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_PRE_EXP_PROCESS	Loaded		MFP Pre Exports to RDX Daily Job			
Loaded	MFP_PRE_EXP_OBE_D_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_PRE_EXP_PROCESS	Loaded		MFP Pre Exports to Files Daily Job			
Loaded	MFP_PRE_EXP_END_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_PRE_EXP_PROCESS	Loaded		MFP Pre Exports End Job			
Loaded	MFP_PRE_DATA_IMP_START_JOB	MFP	05/10/21 01:43:49 CDT	solution=...	RPKS	MFP_PRE_DATA_IMP_PROCESS	Loaded		MFP Pre Data Imports Start Job			
Loaded	MFP_PRE_DATA_IMP_RDX_D_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_PRE_DATA_IMP_PROCESS	Loaded		MFP Pre Data Imports from RDX Daily Job			
Loaded	MFP_PRE_DATA_IMP_OBE_D_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_PRE_DATA_IMP_PROCESS	Loaded		MFP Pre Data Imports from Files Daily Job			
Loaded	MFP_PRE_DATA_IMP_END_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_PRE_DATA_IMP_PROCESS	Loaded		MFP Pre Data Imports End Job			
Loaded	MFP_POST_EXP_START_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt...	EXEC	MFP_POST_EXP_PROCESS	Loaded		MFP Post Exports Start Job			

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
- Job Type - Depending on the value, determines if a job is service based or shell script based.
- Process Name
- Process Status
- Log - When the job is in error, this field will display a down-arrow icon which when clicked will display the content of the 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.
Kill	<p>Use the Action > Kill or the Kill button to stop the execution of the job. For shell-script-based jobs, this will cause the job to abruptly terminate on the server where it is executing. This action is disabled for service-based jobs and will be enabled in a future patch once the Kill feature is implemented for those job types.</p> <p>The job needs to be running for this action to be enabled.</p> <p>When the Kill command is enacted on the screen, one of two confirmation messages opens depending on whether a cleanup script is associated with the job being killed.</p> <p>If a cleanup script is associated with the job, the confirmation message presented is: "A cleanup will be performed after this job is terminated. It is advisable to wait a few minutes after termination before proceeding with the remaining batch schedule." This is because it may take a minute or so for the cleanup to complete.</p> <p>If a cleanup script is not associated with the job, the user is cautioned to make sure he or she is sure about proceeding without a cleanup script. That may be acceptable, as not all jobs require cleanup when terminated. The confirmation message in this case is: "There is no post termination cleanup script associated with this job. The job will be terminated but no post cleanup will be performed. This may or may not be ok for this job. Check with Oracle Support if this is a concern."</p>
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 2–10 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			

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	Retry
Skipped	REFRESHCDWARABLES_JOB	SETUP_PROCESS	RDE	Retry

Callbacks

Status	Job	Process	Payload	Info	Retry
Failed	STOP_RIB_ADAPTOR_INV_JOB	STOP_RIB_ADAPTOR_INV_PROCESS	Payload	Info	Retry

Refresh Done

Figure 2–11 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 POM support team for further investigation.

Execution Requests

Status	Execution ID	Job Run ID	Request Time	Error Info
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	

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 Done

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	<input type="button" value="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	<input type="button" value="Disable"/>

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	ALCDTAILSSDE_JOB	ALCDTAILSSDE_PROCESS	RDE	Disable

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	W_INT_ORG_DH_RTL_TMP_JOB	LOAD_DIM_INITIAL_ADHOC		Payload	Info

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 2–12 Callback Payload Window

STOP_RIB_ADAPTOR_INV_JOB Payload	
externalURL	http://nsh008888dww.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 2–13 Callback Info Window

STOP_RIB_ADAPTOR_INV_JOB Info	
Received ReST Exception : javax.ws.rs.ProcessingException: java.net.UnknownHostException: nsh008888dww.us.oracle.com Exception : External Callback system cant be validated	

Done

Status

The Status sidebar displays information about the Scheduler, Execution Engine, and the environments that Process Orchestration and Monitoring communicates with to execute batches.

Figure 2–14 Status Sidebar

The screenshot shows the 'Environment Status' sidebar. At the top, it says 'Last Updated: 5/17/21 at 12:34PM'. Below this, there are two main sections: 'Scheduler' with an 'Admin' link and 'Execution Engine' with a 'Config' link. Underneath, there are four job agents listed, each with a red 'X' icon, a 'Health Check' link, a 'Job Agent' link, and a status indicator. All job agents (RI, RSP, RDE, MERCH) are currently 'Active'.

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.

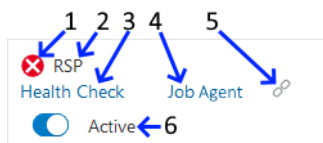
Execution Engine

Displays the status of the execution engine, and a **Config** show configuration of the execution engine in [Execution Engine Configuration](#).

Environment Statuses

Displays the following for each environment:

Figure 2–15 Environment Status



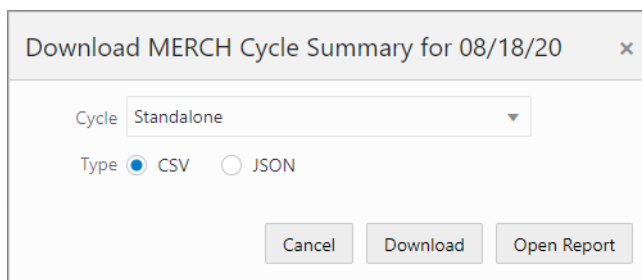
1. **Status** - Icon indicating the current status of the integration with the environment. This will be either success or error .
2. **Environment** - Abbreviation of the environment name.
3. **Health Check** - Opens the [Health Check](#) for the environment.
4. **Job Agent** - Opens the [Job Agent Configuration Window](#) 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 agent 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 2–16 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**.

- Click **Download** to download the summary file, or click **Cancel** to close the window without downloading.

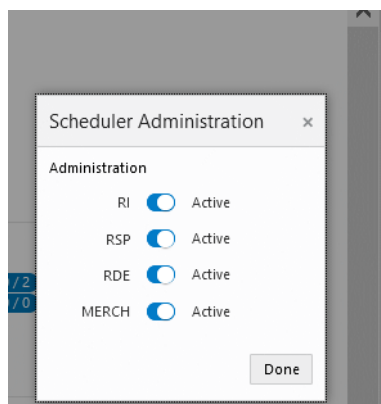
Scheduler Administration Window

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 2–17 Scheduler Administration Window



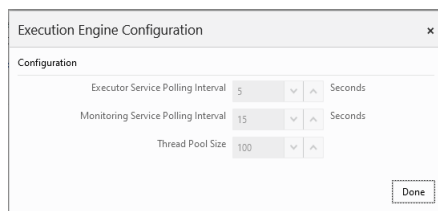
Execution Engine Configuration

The Execution Engine Configuration window displays configuration of communication between the user interface and the execution engine.

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

This window displays the following configurations:

Figure 2–18 Execution Engine Configuration Window

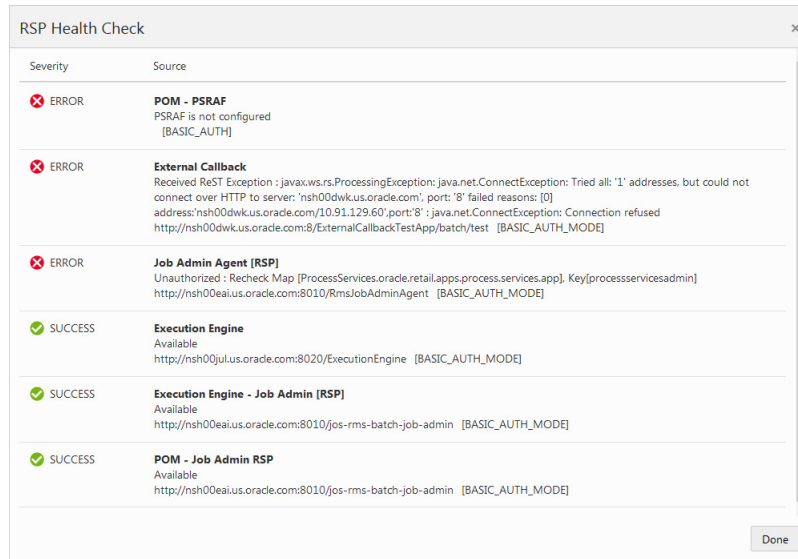


- **Executor Service Polling Interval** - Determines the number of seconds between each polling interval for the batch execution process on Process Orchestration and Monitoring.
- **Monitoring Service Polling Interval** - Determines the number of seconds between each polling interval for the monitoring process on Process Orchestration and Monitoring.
- **Thread Pool Size** - Maximum number of concurrent threads permitted for use by the Execution Engine.

Health Check

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

Figure 2–19 Health Check Window



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 Agent Configuration Window

The Job Agent Configuration window displays configuration information about the selected Agent.

An Agent is the component usually deployed together with the application for which batch is to be run. It receives request from the POM application usually deployed on a common server. These requests direct the agent to request the actual job execution on the target application.

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

Figure 2–20 Job Agent Configuration Window

Name	Value
supportedApps	RI
scheduleName	RI

Group Name	Throttle Limit
RI	12
RI_RI	12

Type	Url
MERCHSVURL	testMigrationMerchSvc.com
BDI PFURL	testMigrationBdi.com
RASEWSURL	https://oraseWebServiceHost/jobEndpoint
POM	http://144.25.18.47:8090/rgbu-common-pomqa-stg79-pom
RIWSURL	https://rap.retail.us-phoenix-1.ocs.oc-test.com:8085/rgbu-rap-ri-rsp-stg5002-qarivws/RIBatchWebService
RIWSURL for orca	ETETE
RASEWSURL	https://oraseWebServiceHost/jobEndpoint_3
RIWSURL for ORCA	testing
IDCS	https://idcs-ca69887b7ea4451ebdf967e2a383629e.identity.c9dev2.oc9qadev.com/

This window displays information about the Agent's Configuration Settings and Throttle Groups.

It also displays a Configuration URLs section which lists service URLs POM needs to operate. These include service URLs needed for calling endpoints to execute batch in the case where the jobs being executed are service based (versus shell script based).

The Throttle Groups section displays throttle limits (maximum number of job that can execute concurrently).

This window features a **Publish** button that, when clicked, will publish (to the Job Agent) throttle changes and service URL changes made on the System Configuration screen. These changes would be published automatically to the Job Agent upon creation of a new scheduler day. However, if the user prefers to have the changes effective immediately for the current scheduler day, he or she can use the **Publish** button to push the changes out immediately.

Activity Feed

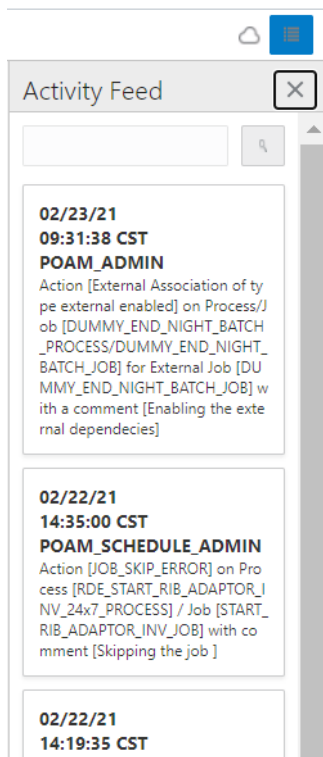
The Batch Monitoring screen includes an Activity Feed icon at the top right corner.



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 2–21 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 screen and select the Schedules tab. This tab displays the schedule level configurations for each schedule setup for this environment.

Figure 2–22 System Configuration

RPASCE 21.1	RDE 19.1.003	RSP 19.1.002	RI 19.1.003	MERCH 19.2.666
Business Date: 04/10/21 Last Schedule Update: System Options	Business Date: 03/02/21 Last Schedule Update: System Options	Business Date: 03/02/21 Last Schedule Update: System Options	Business Date: 04/10/21 Last Schedule Update: System Options	Business Date: 03/16/21 Last Schedule Update: System Options
Settings ✓	Settings ✓	Settings ✓	Settings ✓	Settings ✓
Data Retention Days: 30	Data Retention Days: 30	Data Retention Days: 30	Data Retention Days: 30	Data Retention Days: 30
Long Run Average Time Multiplier: 2	Long Run Average Time Multiplier: 2	Long Run Average Time Multiplier: 2	Long Run Average Time Multiplier: 2	Long Run Average Time Multiplier: 2
External Dependencies: Enabled	External Dependencies: Enabled	External Dependencies: Disabled	External Dependencies: Disabled	External Dependencies: Enabled
InterSchedule Dependencies: Enabled	InterSchedule Dependencies: Enabled	InterSchedule Dependencies: Disabled	InterSchedule Dependencies: Disabled	InterSchedule Dependencies: Enabled
Throttling ✓	Throttling ✓	Throttling ✓	Throttling ✓	Throttling ✓
Job Agent RPASCE Throttle Limit: 10	Job Agent RDE Throttle Limit: 12	Job Agent RIS Throttle Limit: -1	Job Agent RIS Throttle Limit: -1	Job Agent RMS Throttle Limit: 11
Environment ✓	Environment ✓	Environment ✓	Environment ✓	Environment ✓
RPASCE: 21.0.000	RDE: Unknown	RIS: Unknown	RIS: 21.0.000	RMS: 21.0.000
External Configuration ✓	External Configuration ✓	External Configuration ✓	External Configuration ✓	External Configuration ✓
External URL: External Status Update Mode: FAILED	External URL: External Status Update Mode: NONE	External URL: External Status Update Mode: NONE	External URL: External Status Update Mode: NONE	External URL: External Status Update Mode: NONE
Credentials: No	Credentials: No	Credentials: No	Credentials: No	Credentials: No

Configure New Schedule

When POM is first installed for a specific customer, it does not include any application batch schedules out of the box such as Merchandising, Retail Intelligence, and so on. An Oracle administrator or a system integrator needs to first configure those schedules before they can be loaded (from a batch schedule spreadsheet). Configuring a new schedule entails setting up schedule properties such as the schedule name and description, customer environment information for callbacks. It also entails setting up the location of different components and services with which different POM components need to interact to function properly.

To configure a new schedule, click the **Configure New Schedule** button at the top right of the Schedules tab of the [System Configuration](#) screen. The Configure New Schedule window is displayed.

The following new schedule information can be set on this window:

- **Schedule Configuration** - This is for identifying and describing the schedule. Attributes for this section are:
 - **Schedule Name** - A short identifier of the new schedule. This usually matches the main application name such as Merchandising, RI, and so on.
 - **Description** - A short description of the schedule.
- **External System Configuration** - This identifies an external system, typically a customer's environment. This is needed for optionally notifying the customer's system of a job failure or success. This feature is also referred to as Callback. Attributes for this section are:
 - **URL**
 - **Username**
 - **Password**
- **Platform Services** - Internal Oracle services for retrieving information stored there by other applications or systems. Attribute for this section is:
 - **URL**
- **Job Agent** - The Job Agent is a component of POM responsible for submitting the request to execute a batch job. This is usually deployed in the same location as the application where the jobs actually run. If the schedule being configured contains

multiple applications, it is optional to add an agent for each application. This isn't a common practice however as an agent can handle running multiple applications. Attribute for this section is:

- **URL**
- **Schedule Variables** - These variables hold System (POM) level configurations such as IDCS or OCI IAM URL, or Job level configurations such as batch directory, DB_ALIAS, and so on. The job level configurations can also be defined on the batch schedule spreadsheet. Attributes for this section are:
 - **Type** - Job or System
 - **Variable Name**
 - **Value**
- **Services** - This section allows for entry of services POM integrates with. These include the BDI Process Services, IDCS or OCI IAM, and all services corresponding to the different applications with service-type batch jobs. Attributes for this section are:
 - **Type** - This is a drop down for all the possible service types, e.g. the RI Web Services URL which POM would use to invoke RI service-based batch jobs.
 - **Application** - Application Name to which this service corresponds such as RI.
 - **URL**

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:

MERCH 19.1.002

- Schedule name abbreviation.
- Schedule version number.

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

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

Each Schedule is associated with a number of system options specific to its environment and settings. Those can be edited by clicking the **System Options** link located next to the Business Date.

Figure 2–23 Edit System Options

Key	Value	Edit	Remove
HRCAppDir	BATCH_HRC	5:56	Remove
Dir	J:\Ursat\merch\app\bin	5:57	Remove
PhysicPurge	HRC_PU	5:56	Remove
RatingOfLowPerf	J:\Ursat\merch\avglog	5:57	Remove
HRMAppDir	BATCH_HRM	5:56	Remove
HRMAppDir	BATCH_HRM	5:56	Remove
HRMAppDir	BATCH_HRM	5:56	Remove
ApplicationDir	J:\Ursat\app\applicationDir	5:56	Remove
AppPublishDir	J:\Ursat\merch\avglog	5:56	Remove
hrcDir	J:\Ursat\merch\cores\Hrc	5:56	Remove
hrcDir	J:\Ursat\merch\cores\hrc	5:56	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, add or remove options.

- **Settings** - See [Edit Settings](#) for details.

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

- Data Retention Days
- Long Run Average Time Multiplier
- External Dependencies
- InterSchedule Dependencies

- **Throttling** - See [Edit Throttling](#) for details.

Setting	Value
Job Agent RPASCE Throttle Limit	10

- Job Agent Throttle Limit

- **Environment** - See [Edit Environment](#) for details.

Setting	Value
RPASCE	21.0.000

- Job Agent version

- **External Configuration** - See [Edit External Configuration](#) for details.

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

- External URL
- External Status Update Mode
- Credentials

Edit Settings


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

Figure 2–24 Edit Settings Window

Settings for RPASCE 21.1

- * Data Retention Days: 30
- * Long Run Average Time Multiplier: 2
- * Default Average Run Time: 0
- * Business Date: 04/08/21
Current Business Date is 04/10/21
- Background Jobs: Disabled
- External Dependencies: Enabled
- InterSchedule Dependencies: Enabled
- Repave Strategy: Fixed Variable
- * Window Duration: 60 Seconds

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.
- **Default Average Time Multiplier** - This multiplier is used in lieu of the Long Run Average Time Multiplier when the latter has no value.
- **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.

- **Repave Strategy** - This strategy together with the next field's value is used to determine if a job should be allowed to run on a particular server node. When a node is scheduled to be repaved (updated with the latest software patch), no batch job should be running on it when the repave starts. To prevent such a situation, a best guess is needed as to when a node should stop accepting jobs to be run. There are two strategy for determining when that time is:
 - **Fixed:** Uses the next field's value (Window Duration - in seconds) to determine the time at which the node will start rejecting requests for running jobs. For example, if this value is 3600 seconds, the node will stop accepting requests one hour before the repave starts.
 - **Variable:** Multiplies the next field's value (multiplier) with the job's average run time to determine if the node likely has enough time to run the job to completion. For example, if the multiplier is three and the job about to be submitted for running on this node has an average run time of five minutes and the repave is due to start at a time longer than the 15 minutes (the product of the two numbers), the job will be allowed to run. Otherwise it won't be.
- **Window Duration / Multiplier** - This field is dynamically altered depending on the previous field's value and is used in conjunction with the previous field. See the previous field's explanation for details.

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 System Configuration screen 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


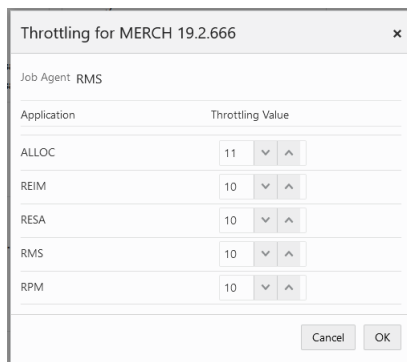
The throttling settings can be changed by selecting the edit icon  in the Throttling section to open the Throttling window.

Figure 2–25 Edit Throttling Window




Application	Throttling Value
ALLOC	11
REIM	10
RESA	10
RMS	10
RPM	10

This window allows for update of the throttling value for each application hosted on this Job Agent.

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.

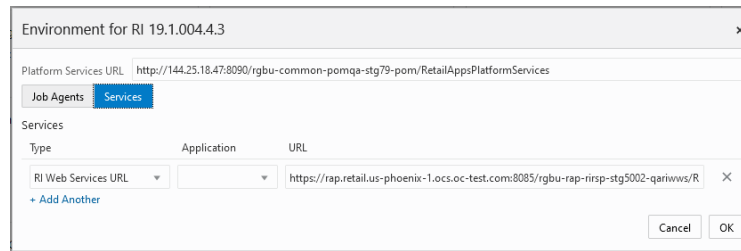
Note: One schedule can be supported by one or multiple Job Agents. Usually, the mapping is one Job Agent to an application.

Also, the Job Agent is a component of POM responsible for submitting the request to execute a batch job.

Figure 2–26 Edit Environment Window



Application	Name	URL	Version
RI	RIS	http://pomagentservice:8080/POMAgent	21.0.003.0



At the top of the Environment window, the user can set the Platform Services URL.

The window then provides two tabs: the **Job Agents** tab and the **Services** tab.

On the Job Agents tab, the user can add or change the following Agent related information:

- **Application** - application name
- **Name** - Agent's name
- **Job Agent Version** - Release version of the Agent
- **Job Agent URL**

On the Service tab, the user can add or change services related information. These are services that POM integrates with, such as BDI Process Services, IDCS or OCI IAM, and all services corresponding to the different applications with service-type batch jobs.

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

Edit External Configuration


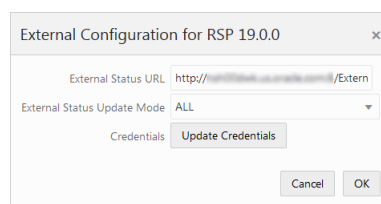
The external configuration settings can be changed by selecting the edit icon  in the External Configuration section to open the External Configuration window.

Figure 2–27 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.

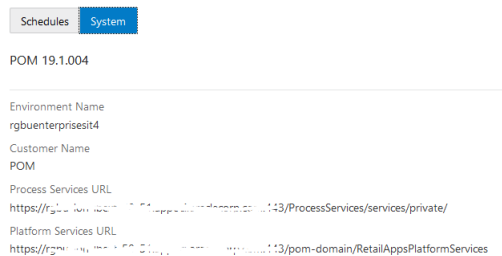
- **Update Credentials** - When clicked, User Name and Password fields are shown. Setting these values will update the credentials POM uses to call the customer's URL.

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

System Settings

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

Figure 2–28 System Information Screen



Edit System Settings


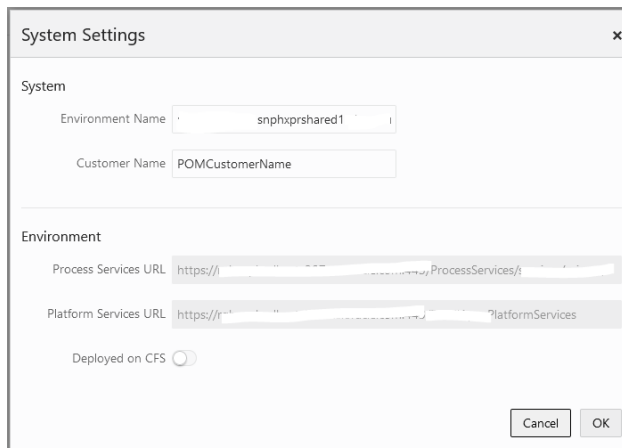
Select the edit icon  (not shown) located at the rightmost of the System Information window to enable the editing of information on this window.

Figure 2–29 Edit System Settings Window



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 URL is set at install time and cannot be changed on this window. It shows the value of POM's services URL.
- **Platform Services URL** - This URL is set at install time and cannot be changed on this window. It shows the value of the Platform Services URL.

- **Deployed on CFS** - A flag indicating whether this environment is on the Oracle's CFS platform.

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 2–30 Global Edit Screen

The screenshot shows the 'Global Edit' window with a title bar and a blue header bar containing the instruction: 'Select fields to apply as updates to all schedules.' Below this is a 'Settings' section with a table of configuration options. Each row has an 'Apply' checkbox, a 'Label', and a 'Value' field. The 'Settings' section includes: Data Retention Days (numeric spinner), Long Run Average Time Multiplier (numeric spinner), Business Date (calendar icon), Background Jobs (radio button), External Dependencies (radio button), InterSchedule Dependencies (radio button), and Repave Strategy (radio buttons for Fixed and Variable). Below the 'Settings' section is an 'External Configuration' section with a similar table. It includes: External URL (text field), External Status Update Mode (dropdown menu with 'ALL' selected), and Credentials (a sub-form with 'Username' and 'Password' text fields).

Apply	Label	Value
<input type="checkbox"/>	Data Retention Days	<input type="text"/>
<input type="checkbox"/>	Long Run Average Time Multiplier	<input type="text"/>
<input type="checkbox"/>	Business Date:	<input type="text"/>
<input type="checkbox"/>	Background Jobs	<input type="radio"/>
<input type="checkbox"/>	External Dependencies	<input type="radio"/>
<input type="checkbox"/>	InterSchedule Dependencies	<input type="radio"/>
<input type="checkbox"/>	Repave Strategy	<input type="radio"/> Fixed <input type="radio"/> Variable

Apply	Label	Value
<input type="checkbox"/>	External URL	<input type="text"/>
<input type="checkbox"/>	External Status Update Mode	ALL
<input type="checkbox"/>	Credentials	Username: <input type="text"/> Password: <input type="text"/>

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:

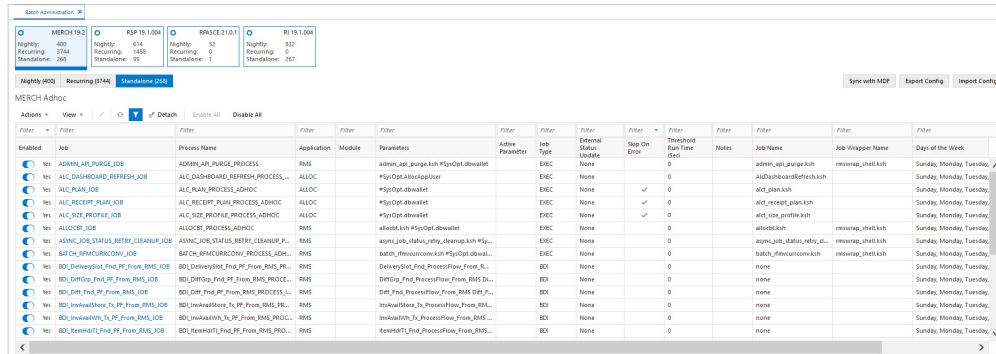
- Data Retention Days
- Long Run Average Time Multiplier
- Business Date
- Background Jobs
- External Dependencies
- InterSchedule Dependencies
- External URL
- External Status Update Mode
- Repave Strategy
- Credentials:
 - Username
 - Password

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 2–31 Batch Administration

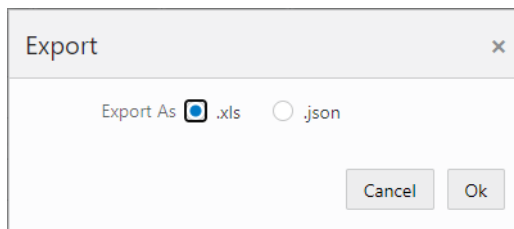


Batch Administration Header

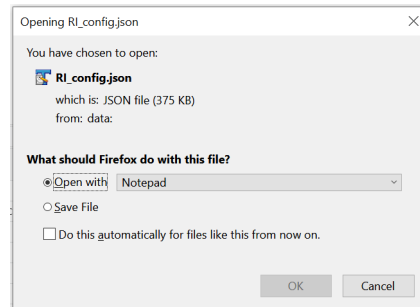
The Batch Administration header includes the following options:

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.

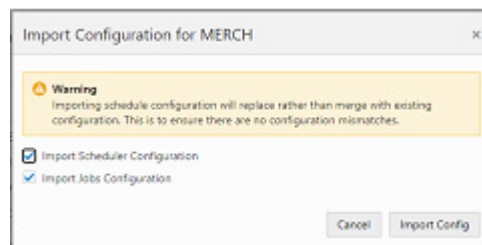


If the export is done for the purpose of applying the same configurations on another environment (Lift & Shift), the user is recommended to export to a JSON file. This file is then used in the Import Config function (explained below) to import the configurations into another environment.

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.

- 5.** 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.

i Some features are disabled while a schedule is being imported

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

Batch Tiles

Each tile displays the following information:

Figure 2–32 Batch Tile

1. **Schedule Name and Version** - Displays the abbreviation of the application or application group and the software version.
2. **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 2-33 Nightly Batch List

Enabled	Job	Process Name	Application	Module	Parameters	Active Parameter	Job Type	Kill Cleanup Script	External Status Update	Skip On Error	Threshold Run Time (Sec)
<input type="checkbox"/>	AUC_DAILY_CLEANUP_JOB	AUC_DAILY_CLEANUP_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	AUC_DASHBOARD_REFRESH_JOB	AUC_DASHBOARD_REFRESH_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	AUC_PURGE_ALLOC_JOB	AUC_PURGE_ALLOC_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER PURGE_ALLOC		EXEC		None		0
<input type="checkbox"/>	AUC_PURGE_WRN_JOB	AUC_PURGE_WRN_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER PURGE_WORNSHEET		EXEC		None		0
<input type="checkbox"/>	AUC_SHRINK_JOB	AUC_SHRINK_JOB_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	AUC_SHRINK_SESSION_JOB	AUC_SHRINK_SESSION_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	AUC_SNAP_SHOT_ALLOC_IN_JOB	AUC_SNAP_SHOT_ALLOC_IN_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	AUC_SNAP_SHOT_ALLOC_OUT_JOB	AUC_SNAP_SHOT_ALLOC_OUT_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	AUC_SNAP_SHOT_CROSS_LINK_JOB	AUC_SNAP_SHOT_CROSS_LINK_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	AUC_SNAP_SHOT_CUT_ORD_JOB	AUC_SNAP_SHOT_CUT_ORD_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	AUC_SNAP_SHOT_IN_ORD_JOB	AUC_SNAP_SHOT_IN_ORD_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	AUC_SNAP_SHOT_OUT_JOB	AUC_SNAP_SHOT_OUT_PROCESS	ALLOC	ALLOC_BATCH	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	ALLOTT_JOB	ALLOTT_PROCESS	RMS	RMS_FOUND	#\$JOB\$AUC\$JOB\$USER		EXEC		None		0
<input type="checkbox"/>	ADMIN_JOB_STATUS_RETRY_CLEANUP_JOB	ADMIN_JOB_STATUS_RETRY_CLEANUP_PROCESS	RMS	RMS_ADMIN	#\$JOB\$AUC\$JOB\$USER_CLEANUP\$JOB\$USER	#\$JOB\$AUC\$JOB\$USER	EXEC		None		0
<input type="checkbox"/>	BATCH_ALLOTT_JOB	BATCH_ALLOTT_PROCESS	RMS	RMS_FOUND	batch_alloTT\$JOB\$USER	#\$JOB\$AUC\$JOB\$USER	EXEC		None		0
<input type="checkbox"/>	BATCH_ARCHIVE_PURGE_MST_JOB	BATCH_ARCHIVE_PURGE_MST_PROCESS	RMS	RMS_ADMIN	batch_archive\$JOB\$USER	#\$JOB\$AUC\$JOB\$USER	EXEC		None		0
<input type="checkbox"/>	BATCH_COUNTREFURD_JOB	BATCH_COUNTREFURD_PROCESS	RMS	RMS_FOUND	batch_countrefurd\$JOB\$USER	#\$JOB\$AUC\$JOB\$USER	EXEC		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.
- Job Type - Job Type of 'EXEC' Indicates that the job executable is shell script based. All other job types, such as 'BDI', 'RI', and so on, indicate that the job is service-based. Service-based job types require different configurations than shell script-based.
- Kill Cleanup Script - Name of a script that will be executed after the kill is performed. This is an optional field as not all jobs require cleanup after termination.
- 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

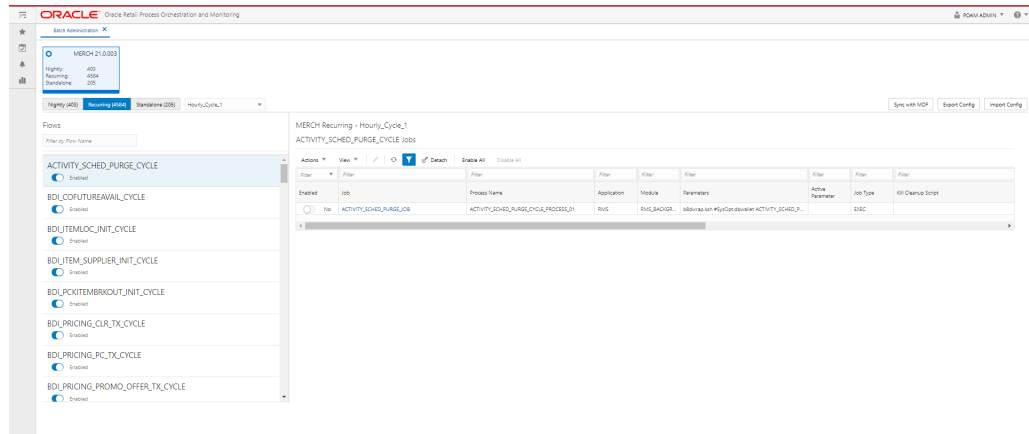
- Days of the Week - Days of the week for which the job is to be run.

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 2–34 Recurring Batch List



- 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
 - Job Type - Job Type of 'EXEC' Indicates that the job executable is shell script based. All other job types, such as 'BDI', 'RI', and so on, indicate that the job is service-based. Service-based job types require different configurations than shell-script based.
 - Kill Cleanup Script - Name of a script that will be executed after the kill is performed. This is an optional field as not all jobs require cleanup after termination.
 - External Status Update
 - Skip On Error
 - Threshold Run Time (Seconds)

Batch Job Details

The Batch Job Details screen allows maintenance of various types of dependencies associated with a batch job.

Figure 2–36 Batch Job Details

The screenshot shows the 'Batch Job Details' window for job 'AICDETALSSDI_JOB'. It is divided into several sections:

- Pre Dependencies:** A table with columns 'Enabled', 'Job', and 'Process'. One entry is shown: 'DISCTPSDE_JOB' (Enabled: Yes) with process 'DISCTPSDE_PROCESS'.
- Post Dependencies:** A table with columns 'Enabled', 'Job', and 'Process'. One entry is shown: 'DOMANMENKUPDE_JOB' (Enabled: Yes) with process 'DOMANMENKUPDE_PROCESS'.
- External Dependencies:** A table with columns 'Enabled', 'Job', and 'Process'. One entry is shown: 'ExternalJob' (Enabled: Yes) with a 'Remove' button.
- Inter-Schedule Dependencies:** A table with columns 'Enabled', 'Job', 'Process', and 'Schedule'. One entry is shown: 'W_STL_CURR_MCAL_S_JOB' (Enabled: Yes) with process 'ADVANCE_DATE_PROCESS' and schedule 'SI', and a 'Remove' button.
- Schedule Links:** A table with columns 'Enabled', 'Job', 'Process', and 'Schedule'. One entry is shown: 'GENERIC_BATCH_MILE_MARKER_JOB' (Enabled: Yes) with process 'BATCH_INITIAL_START_PROCESS' and schedule 'SI', and a 'Remove' button.

At the bottom right, there are 'Open P42' and 'Done' buttons.

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.

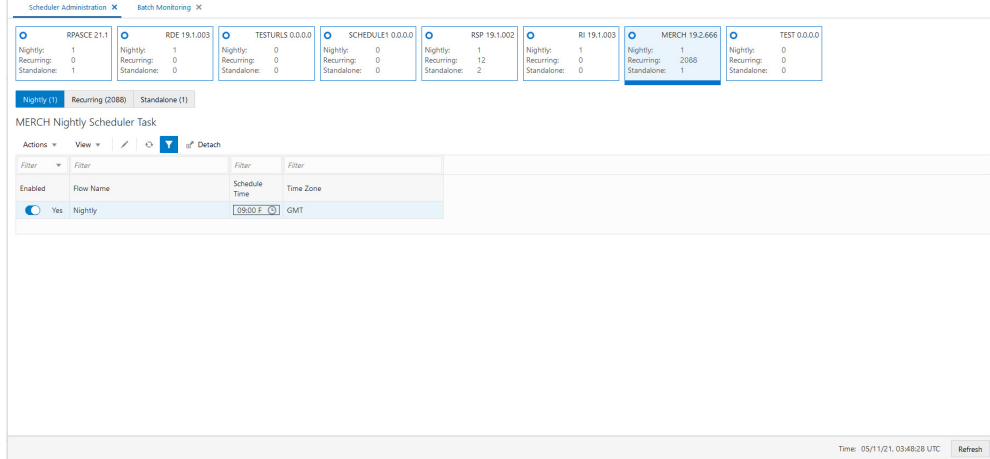
An administrator would then access the Scheduler Administration screen to configure all available tasks according to the specific customer's needs.

Nightly Scheduler Task Administration

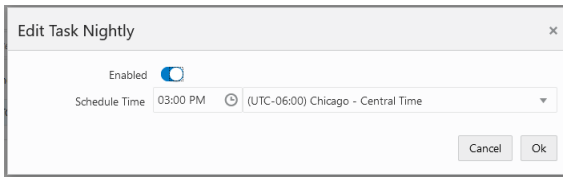
On the Scheduler Administration screen, the user selects a schedule tile at the top of the screen and the Nightly tab right below the tile. The Nightly cycle's Scheduler task is shown in the tasks table below.

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

Figure 2–37 Nightly Scheduler Task Administration



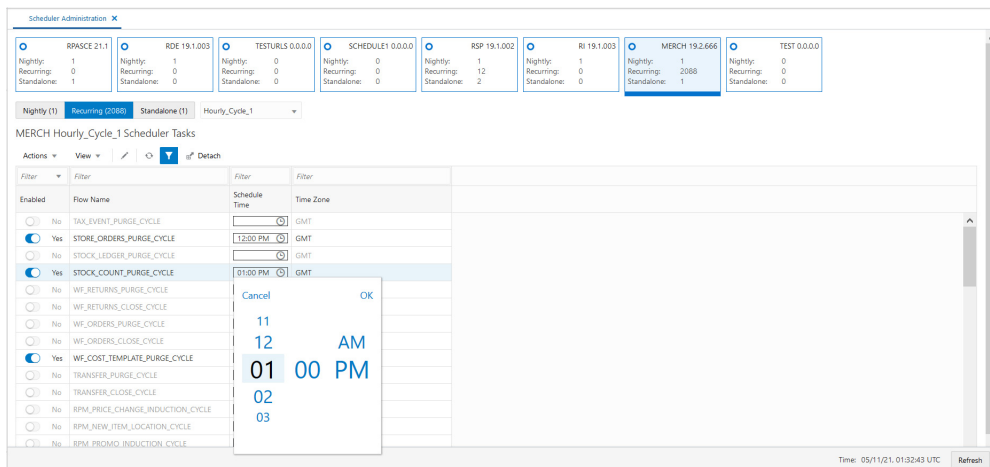
The user can either edit the schedule time in-line or select the row, click the edit icon then edit the schedule run time in the Edit Task Nightly popup.



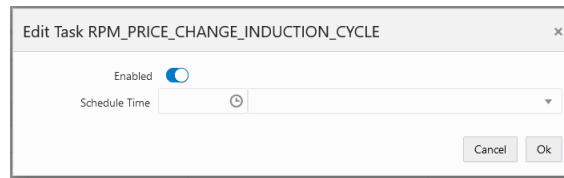
Recurring Scheduler Tasks Administration

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 2–38 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.

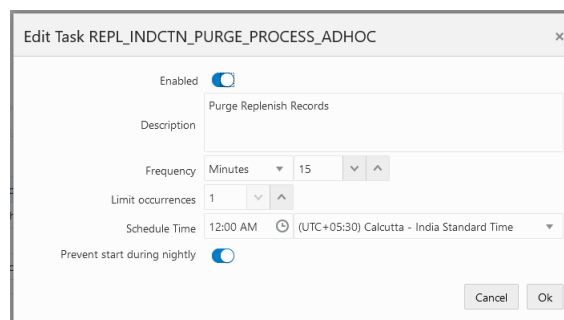
Figure 2–39 Standalone Scheduler Tasks Administration

Enabled	Process Name	Description	Frequency	Limit occurrences	Prevent start during nightly	Schedule Time	Time Zone
<input checked="" type="checkbox"/>	REPL_INDCTN_PURGE_PROCESS_ADHOC	Purge Replenish Records	Every 15 minutes	1	<input checked="" type="checkbox"/>	00:00	(UTC+05:30) Calcutta - India Standard Time
<input checked="" type="checkbox"/>	LIKESTOREBATCH_PROCESS_ADHOC	Run Like Store batch	Every 15 minutes		<input checked="" type="checkbox"/>	11:00	(UTC+05:30) Calcutta - India Standard Time
<input checked="" type="checkbox"/>	BDL_Var_Fnd_PP_From_RMS_PROCESS_INIT	Var BDI	Daily		<input checked="" type="checkbox"/>	16:00	(UTC+05:30) Calcutta - India Standard Time
<input checked="" type="checkbox"/>	REPL_INDCTN_PURGE_PROCESS_ADHOC	Purge Replenish Records 2	Every 15 minutes		<input checked="" type="checkbox"/>		GMT

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.

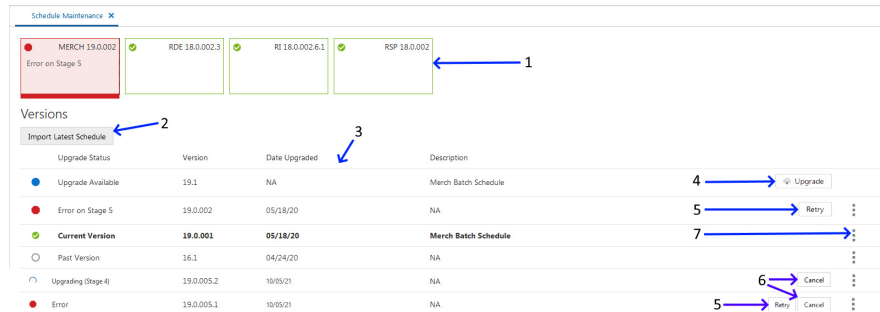


Note: The **Prevent start during nightly** switch prevents the task from running while the Nightly batch is running. However, it won't stop a run that is in progress when the Nightly process starts.

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 2–40 Schedule Maintenance Tab



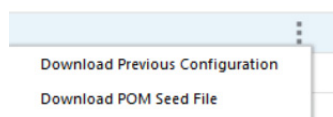
- Batch Tiles** - There is a batch tile for each schedule available in Process Orchestration and Management. Select a tile to show the history of the selected schedule's upgrades or available upgrades.
- Import Latest Schedule** - Use this button to upgrade the selected schedule from a spreadsheet. When clicked, a file selector dialog is displayed (not shown).

The import file is a spreadsheet.

- 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
- Upgrade** - Use this button to upgrade the schedule. This button only appears for schedules for which an upgrade available.
- Retry** - Use this button to retry a failed update. This button only appears for schedules that have not completed successfully. The retry will resume the upgrade from the failed step.
- Cancel** - Use this button to cancel the upgrade for an ongoing upgrade as long as it's in stage 4 or less, or to cancel an upgrade in an error state.

When an ongoing upgrade is canceled, it is marked as Error. The user can then either click the **Cancel** button again to remove the attempted upgrade so it can be started over, or click the **Retry** button to resume the upgrade from the failed step.

- 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 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.

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.

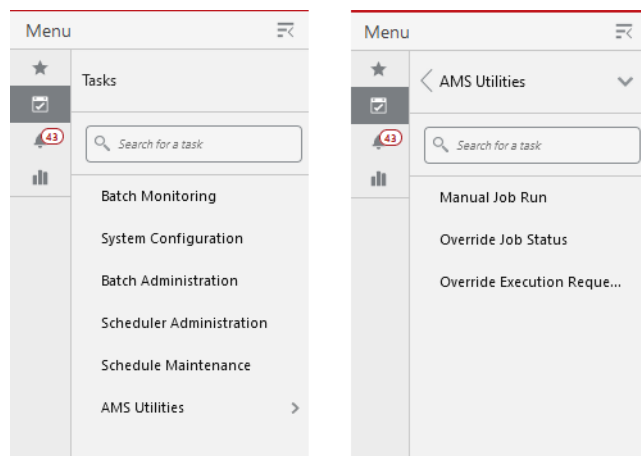
Use the **Refresh** button to refresh the screen immediately.

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** from the Tasks menu to display the submenu.



The AMS Utilities submenu contains the following tasks:


- [Manual Job Run](#)
- [Override Job Status](#)
- [Override Execution Request Status](#)

Manual Job Run

An Oracle administrator uses the Manual Job Run 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: A job that is manually run on this UI is run standalone without regard to dependencies.

Figure 2–41 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

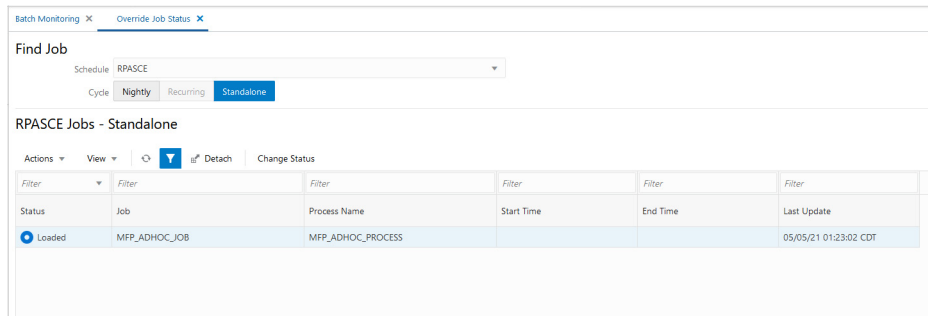
Run

Override Job Status

The next AMS Utility is Override Job Status.

Occasionally, a job in POM gets stuck with a status where manual intervention is needed. This is to reset the status and get the job running for instance. This screen is used for this purpose.

Figure 2–42 Override Job Status



Batch Monitoring x Override Job Status x

Find Job

Schedule RPASCE

Cycle Nightly Recurring Standalone

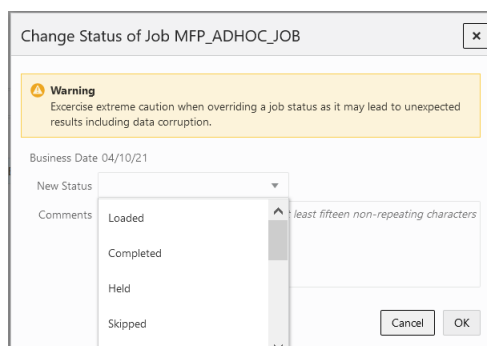
RPASCE Jobs - Standalone

Actions View Detach Change Status

Filter	Filter	Filter	Filter	Filter	Filter
Status	Job	Process Name	Start Time	End Time	Last Update
Loaded	MFP_ADHOC_JOB	MFP_ADHOC_PROCESS			05/05/21 01:23:02 CDT

Select the schedule and the cycle to display all jobs for those selections in the Jobs table.

In the table, select the row for the job you intend to override the status for and click the **Change Status** button or select **Change Status** from the table's Actions menu. The Change Status popup is displayed.



You are required to enter a comment justifying overriding the job's current status.

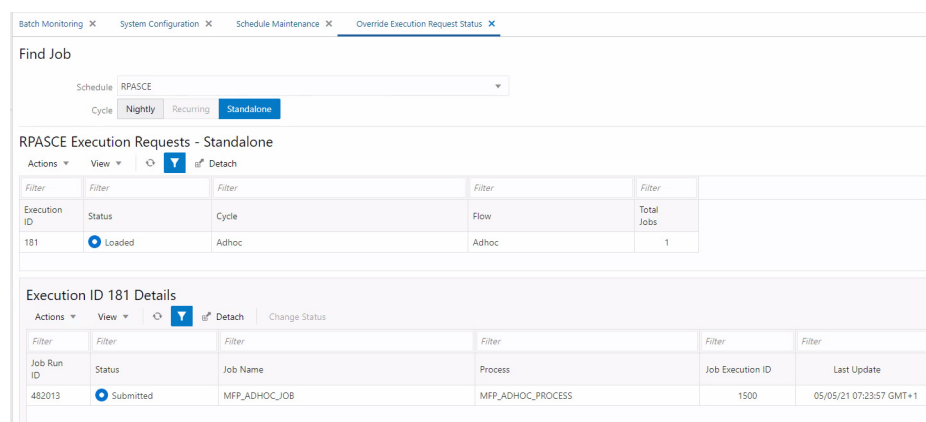
Notice the warning message. An administrator needs to understand the impact of overriding the current status as it may lead to data corruption if an unintended action takes place.

Override Execution Request Status

The next AMS Utility is Override Execution Request Status.

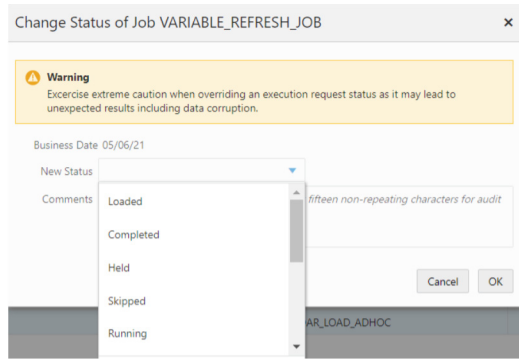
Occasionally, a job in the POM's Execution Engine gets stuck with a status where manual intervention is needed. This is to reset the status and get the job running for instance. This screen is used for this purpose.

Figure 2-43 *Override Job Execution Status*



Select the schedule and the cycle to display all jobs for those selections in the Jobs table.

Select the row in the Details table for which you intend to override the status and click the **Change Status** button or select **Change Status** from the table's Actions menu. The Change Status popup is displayed.



You are required to enter a comment justifying overriding the job's current status.

Notice the warning message. An administrator needs to understand the impact of overriding the current status as it may lead to data corruption if an unintended action takes place.

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 two 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>Users within this role are retailer administrators with full access to all POM actions. They monitor, maintain and configure the batch schedules. They may also maintain POM application configurations for efficient operations. They troubleshoot batch issues and work with Oracle support personnel to address those issues. Finally, they may apply batch schedule patches and upgrades.</p> <p>Additionally, users assigned this role are given access to the Oracle 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. They can also configure some application properties and can configure a new schedule</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 display Configuration	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
Schedule tab - Update actions for general & environment settings	Administrator AMS Admin
Schedule tab - Job agent system options dialog	Administrator AMS Admin

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

Feature	Roles (aliases) with update access
Schedule tab - Update actions for MDF configuration	Administrator AMS Admin
Schedule tab - Update actions for job agent 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
Configure New Schedule	Administrator 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 seed data	Administrator AMS Admin

Table 3–9 Screen: AMS Utilities

Feature	Roles (aliases) with update access
Manual Job Run	Administrator
Override Job Status	AMS Admin
Override Execution Request Status	

Table 3–10 Screen: Application Properties

Feature	Roles (aliases) with update access
Application Properties	Schedule Admin Administrator AMS Admin