# Oracle<sup>®</sup> Retail Process Orchestration and Monitoring User Guide



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ORACLE

Oracle Retail Process Orchestration and Monitoring User Guide, Release 22.1.401.0

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# Preface

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

#### Audience

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

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- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

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Oracle Retail (Product Name) Cloud Service is hosted in the Oracle Cloud with the security features inherent to Oracle technology and a robust data center classification, providing significant uptime. The Oracle Cloud team is responsible for installing, monitoring, patching, and upgrading retail software.

Included in the service is continuous technical support, access to software feature enhancements, hardware upgrades, and disaster recovery. The Cloud Service model helps to free customer IT resources from the need to perform these tasks, giving retailers greater business agility to respond to changing technologies and to perform more value-added tasks focused on business processes and innovation.

Oracle Retail Software Cloud Service is acquired exclusively through a subscription service (SaaS) model. This shifts funding from a capital investment in software to an operational expense. Subscription-based pricing for retail applications offers flexibility and cost effectiveness.



# 1 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

Welco	me
Enter your Single Sign-On creden	tials below
Username:	
Password:	
	Logi
Forgot Password	

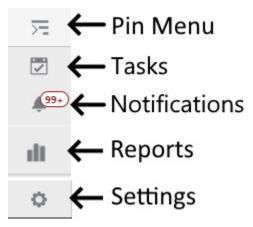


- 2. Provide the following login information:
  - a. Enter your user name in the Username field.
  - b. Enter your password in the **Password** field.
- 3. Click Login.

# 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

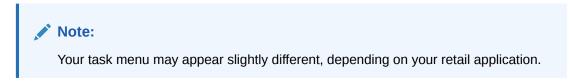
Oracle Retail applications support a variety of navigational tools and methods that allow you to move efficiently between application pages. Information on how to use and manage each of the tools and methods is included in this section.

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.



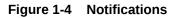
#### Figure 1-3 Tasks Menu

Tasks
Business Date 12 08/23/20
Search for a task
Nightly: Loaded (0/399)
Batch Monitoring
System Configuration
Batch Administration
Scheduler Administration
Schedule Maintenance
AMS Utilities

# Notifications

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





Notifications	
Search for a notification	
Filters • Group By 1 •	,
System Error	^
System Error     Critical	
RSP :: External Status Update 5/21/20 10:10:08 AM POAM_ADMIN	
• System Error Critical	
MERCH :: Unable to publish 5/20/20 2:42:57 PM POAM_ADMIN	
Batch execution error	
Batch execution error     Critical	
MERCH :: Job SALESUPLOA 5/20/20 3:28:14 PM POAM_ADMIN	~
See All	

# 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.







# 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).

Notifications	Search Bar
Search for a notification	<b>C</b> Toggle View
Filters  Group By 1	Grouping Panel
System Error	Filtering Panel
Critical RSP :: External Status Update 5/21/20 10:10:08 AM POAM_ADMIN	Search Results Panel
• System Error Critical MERCH :: Unable to publish 5/20/20 2:42:57 PM POAM_ADMIN	
Batch execution error	
Batch execution error     Critical     MERCH :: Job SALESUPLOA     5/20/20 3:28:14 PM     POAM_ADMIN     Y	
See All	All Notifications Tab

#### 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.

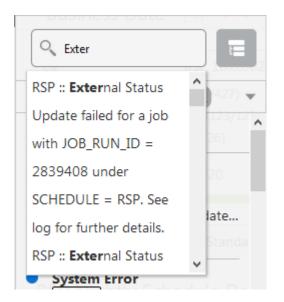


Figure 1-7 Search Bar

### **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

Filters 🔺	Group By	<b>1</b> (427) <b>-</b>
Time Period		
Any		•
Туре		
All		
Severity		
All		
Reset	Cancel	Apply

# **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

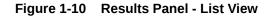
Filters 🔹	Group By	1 ^
Group By		
Туре		•
Then By		
No Selection		•
Reset	Cancel	Apply

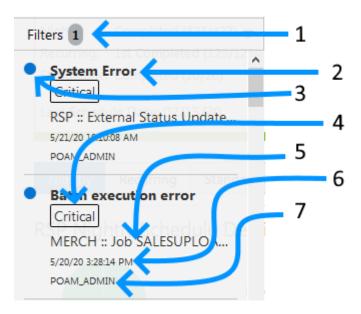
## **Results Panel - List View**

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.







- **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**

**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.



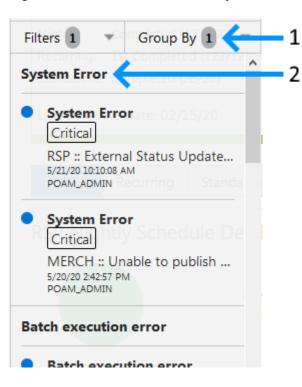


Figure 1-11 Results Panel - Grouped View

- **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.

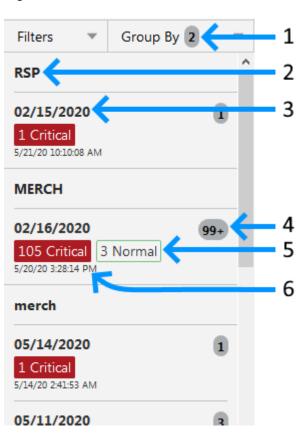
### **Results Panel - Summarized View**

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.



All I Read	Notification <b>81</b> Unread		Critical Im	oortant 💿	Normal 3			
694 Actions 💌	123 View 🔻	X O B <sup>er</sup> Detach Mark as Read	Mark as Unread 🞄				6	
Severity	Status	Description RSP :: External Status Update failed for a job with JO	Type	Alerts	Recipients	Creation Date	Created By	Last
			B_RU System Error		POAM_ADMIN	5/21/20 10:10:08 AM	POAM_ADMIN	5/21/2
	-							
	0	RSP :: Job ORASE_END_END_JOB is classified as long	run Long running Job		POAM_ADMIN	5/21/20 10:08:46 AM	POAM_ADMIN	5/21/2
Critical	-				POAM_ADMIN POAM_ADMIN	5/21/20 10:08:46 AM 5/21/20 10:07:53 AM	POAM_ADMIN POAM_ADMIN	
Critical Critical	0	RSP :: Job ORASE_END_END_JOB is classified as long	B_RI System Error					5/21/2
Critical Critical Critical	0	RSP :: Job ORASE_END_END_JOB is classified as long RSP :: External Status Update failed for a job with JO	B_RI System Error B_RI System Error		POAM_ADMIN	5/21/20 10:07:53 AM	POAM_ADMIN	5/21/2
Critical Critical Critical Critical	0	RSP :: Job ORASE_END_END_JOB is classified as long RSP :: External Status Update failed for a job with JO RSP :: External Status Update failed for a job with JO	B_RI System Error B_RI System Error B_RI System Error		POAM_ADMIN POAM_ADMIN	5/21/20 10:07:53 AM 5/21/20 10:07:52 AM	POAM_ADMIN POAM_ADMIN	5/21/2 5/21/2 5/21/2
Critical Critical Critical Critical Critical Critical Critical		RSP :: Job ORASE_END_END_JOB is classified as long RSP :: External Status Update failed for a job with JO RSP :: External Status Update failed for a job with JO RSP :: External Status Update failed for a job with JO	B_RI System Error B_RI System Error B_RI System Error B_RI System Error		POAM_ADMIN POAM_ADMIN POAM_ADMIN	5/21/20 10:07:53 AM 5/21/20 10:07:52 AM 5/21/20 10:07:52 AM	POAM_ADMIN POAM_ADMIN POAM_ADMIN	5/21/2 5/21/2 5/21/2 5/21/2 5/21/2 5/21/2 5/21/2

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 X 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	<b>Reassign Notification</b>
-------------	------------------------------

Reassign Notificati	on		)
Severity		Туре	
Critical	•	Reassigned	•
Description			
-		ng a Schedule Instance in the D e, due to PL-SQL Execution faile	
Choose Recipients		Selected	
Search for recipient	0		

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.

Settings		Application Pr
Search for a	Systen setting	
Application P	ropertie	5/21 S

#### **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.



Application Prop	erties ×						
✓ Search	Deploy Name * POM	×				Key Name	
	Key				Kej	Description	Reset Search
Actions * Vie	ew 👻 🖌 🕂 🖓 🕼 Detach						
	Filter	Filter	Filter	Filter	Filter 🔻	Filter	
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 du	
POM	MDF Syncing strategy	mdf.sync.unmatched.modules.resolve		DISABLE	No	This property will used to determine how to sync unmatched mo	
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_ADP	No	The security role that will be used to restrict the platform service	
POM	Platform Services Security System Scope	platform.services.system.scope		rgbu:psraf:system	No	The ides app scope that will be used to restrict the platform serv	
POM	Platform Services Security Role	platform.services.user.roles		PLATFORM_SERVICES_ADP	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 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 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 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 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 th	
POM	POM Async Job Manager Poling time Interval	pom.async.job.manager.poll.interval		30	No	This property will used by POM Async job Manager	
POM	POM Async Job Manager Poling time Interval	pom.async.job.manager.poll.interval		30	No	This property will used by POM Async job Manager	
POM	POM Async Job Manager stop indicator	pom.async.job.manager.shutdown.requ		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:

Edit Property					×
Key	jetui.theme	Category Description Configurable Process Services Model properties			
Key Name	Theme for the JET UI	Default Value Alta			
Key Description	This property controls the theme used by the JET UI. Valid values are Alta and Redwood	Deployment Restart No			
Deploy Name	РОМ	Current Value			
Category	POM Process Services properties	Last Updated By			
		Last Updated Date			
			Reset to Default	Consul	OK
			Reset to Default	Cancel	OK

# **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.

Actions 💌	View 🔻 🦯 😌 🍸	Detach     Enable All     Disable All
Edit	er	Filter
Refresh		Process Name
Enable All		
Disable All		

#### Figure 1-15 Action Menu and Icons

#### Table 1-1 Actions Menu/Icons and Descriptions

Actions Menu/Icon	Description
Refresh and Refresh icon $\odot$	Select <b>Actions</b> > <b>Refresh</b> or the Refresh icon 📀 to update the records in the table.
Filter icon 🝸	Select the Filter icon $\P$ to open fields that will filter the results. Use the filter fields to only show the rows matching or containing the entered information.
Detach and Detach Icon f	Select <b>Actions</b> > <b>Detach</b> or the Detach icon <b>I</b> 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.







View Menu List	Description
Manage Columns	You can show or hide columns and change the order of the columns by selecting <b>View &gt; Manage Columns</b> .
	This View menu option is only available for tables with a large number of columns.
	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.
Detach and Detach icon 💕	You can view the tables in the application in a separate window by selecting <b>View</b> > <b>Detach</b> or by using the Detach icon <b>S</b> .
Query by Example	You can filter the items by one or multiple column values by selecting <b>View &gt; Query by Example</b> .

#### Table 1-2View Menu/Icons and Descriptions

# Screen Level Action - Icons and Buttons

The screen level actions display the icons and buttons.

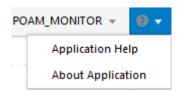
Table 1-3	Screen Level Action	Icons/Buttons and Description
-----------	---------------------	-------------------------------

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.

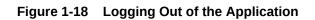
#### Figure 1-17 Application Help Menu



# Logging Out of the Application

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









# 2 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**

**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.

		ng							POAM_ADMIN		
Batch Monitoring X											
Business Date	04/10/21										0
Bightly: Loaded (0/52) tandalone: Loaded (0/1)	RPASCE 21.1 Nightly: Enor (b/772) Standalone: No Jobs Scheduled		MERCH 19.2.666 to for 04/10/21								
Nightly Recurring \$	Standalone								Close Schedule	Restart Sch	hedule
Run											
Nightly Batch Jobs	sour (706) S		Run Start:			0 Calbacks 0/1 Schedule Links			0/0 Scheduler Tasks		
Nightly Batch Jobs	adəd (706)	Skip Rele	Run Start:	Skip Dependencies Filter	Filter		Filter	Filter	670 Scheduler Taska		Filte
Nightly Batch Jobs	sour (704) 5 O Y S <sup>an</sup> Detach Hold Release		ace Skip Run Rerun Kill			0/1 Schedule Links	Filter Process Status	Filter	_		Filte
Nightly Batch Jobs tions * View * ter * tus	sour (704)	Filter	soe Stóp Run Rerun Kill Filter	Filter	Filter	073) Schedule Links	Process		Fiter		Sta
Vightly Batch Jobs ttons * View * ter * tus *	see (724) 5 1 V Y Vacan Hald Release Riter 208	Filter Application	ass Stöp Run Rarun Köll Fälter Last Update	Filter	Filter Job Type	673) Schedule Linis Filter Process Name	Process Status	Log	Filter Job Description		Sta
Vightly Batch Jobs tions * View * ter * tus *	see Dag Terr Terr Sab W_RT_CURF,MCAL_0_00	Filter Application RI	ass Stop Run Rarun Kill Ritter Last Update 05/11/21 23:07:28 GMT-5:30	Filter	Filter Job Type EXEC	Filter Process Name ADWARCE, DATE, MACESS	Process Status	Log	Filter Job Description W_RTL_CURR_MCAL_G_JOB		Sta
I cos	see Dati Tritor Job Bay, L.Curr, M.C.L. G. JOS 20, FLE, WAT, JOB	Filter Application RI RI	Ass Skip Run Rarun Kill Ritter Last Update 05/11/21 23/07/28 GMT + 5:0 05/03/21 12/07/40 GMT + 5:30	Filter	Filter Job Type EXEC EXEC	Fitter     Forcess Name     ADVWCE_CATE_PROCESS     CONTROL_PRE_VALUARIDOR_PROCESS	Process Status Status Error Loaded	Log	Filter Job Description WJ.RTL_CURR_MCAL_G_JOB Wat for Zip Filter		Sta
I cas	see Pag Filer All Arelesse Filer All Arelesse All Are	Filter Application RI RI RI	aas 55g Run Rarun K0 Fitter Laat Updale 05/11/12 26/728 04T - 530 05/03/21 12/740 04T - 530	Filter	Filter Job Type EXEC EXEC EXEC EXEC	Folder     Folder	Process Status Error Loaded Loaded Loaded	Log	Filter Job Description W, RTL, CURR, MCAL, G, JOB Wat for Jop Files Validere Zip Files	AT_TMP_JO8	Sta
Nightly Batch Jobs ctions View View View ther View View fror fror force force force force	Salar Day Salar Salar Salar Salar Salar	Filter Application RI RI RI	as Sog Run Rarun GE Pitter Last Updase OS/11/21 20/726 GMT-530 OS/9221 12/740 GMT-530 OS/9221 12/740 GMT-530	Filter Parameter	Filter Job Type EXEC EXEC EXEC EXEC EXEC EXEC		Process Status Error Loaded Loaded Loaded	Log	Filer Job Description W, KTL, CURR, MCAL, G, JOB Wate tog Files Valuest 20 Files	at_tmp_j08	Sta
Nightly Batch Jobs Actions * View * ilter * atus 5 Error 5 Error 5 Error 5 Error 6 Error 7 Running 7 Running	see For Filter Albe Tally Mark (La, Joo 20 Filter Mark (La, Joo 20	Filter Application RI RI RI RI RI	Run         Run         Kill           Parer	Filter Parameter W_RTL_PROD	Filter Job Type EXEC EXEC EXEC EXEC EXEC EXEC		Process Status Error Loaded Loaded Loaded Loaded	Log	Filter Intel Description Walt for Zijk McALG,008 Walt for Zijk Filter Walters Zijk Filter Michael Zijk Filter Michael Zijk McAlder, Zijk Chaels, Jik	AT_TMP_JO8	Filter Sta

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.

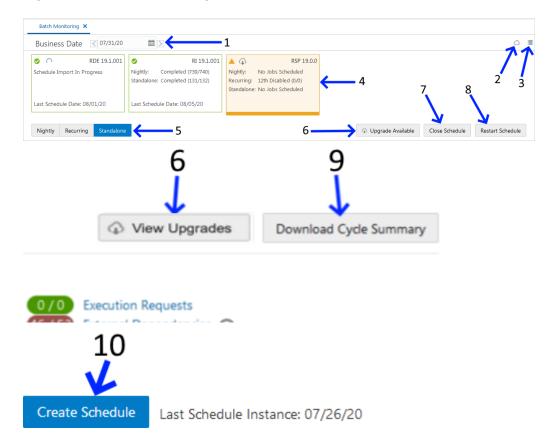


Figure 2-2 Batch Monitoring Header

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.
- 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.
- 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.

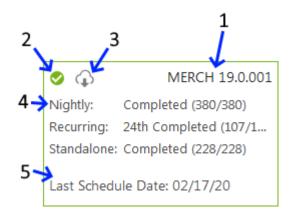
### Schedule Tiles

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

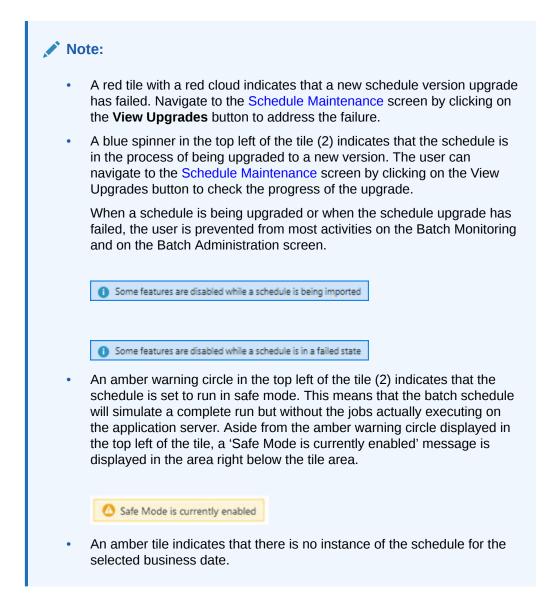
Select a tile to display the list of batch processes for that schedule.

Each panel displays the following information:









- **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 (green check mark icon)
  - Active (green target icon)
  - Error (red X icon)
  - No activity (amber triangle icon)
  - Suspended (pause icon)
  - Safe mode (Amber circle icon with a warning icon inside of it)
- **3. Schedule Upgrade** A grey cloud indicates that a newer version of the batch schedule is available.

A red cloud indicates that schedule upgrade has failed. Navigate to the Schedule Maintenance screen to address the failure.

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



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

# **Batch Jobs Header**

The batch jobs header displays the following information:

#### Figure 2-4 Batch Jobs Header



### Run Status Chart

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

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

### Completed Batch Job Statistics

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

- Run Start
- Run End
- Total Duration



Average Duration

### Active Batch Job Statistics

#### Note:

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

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

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

#### **Batch Information**

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

**Execution Requests** - Displays the number of completed executions and the total number of execution requests. Click to open the Execution Requests Window.

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  $\times$  to close the window.



kecution Rec	uests								
Actions 💌	View 🔻 🛛 😌 🍸	B <sup>#</sup> Detach							
Filter	Filter 💌	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
execution ID	Status	Cycle	Flow	Scheduler Day	Total Jobs	Completed	Pending	Skipped	Failed
316	<ul> <li>Loaded</li> </ul>	Nightly	Nightly	2524	400	0	396	3	1
Actions 💌	View 🔻 😔	T Detach		Filter			Filter	Filter	
Filter	Filter 🔻	Filter					<i>Filter</i> Job Executi	0.0	
				Filter Process Name				0.0	t Update
Filter	Filter 🔻	Filter			TRANSFORM_	LOAD_PROCE	Job Executi ID	0.0	t Update
<i>Filter</i> Job Run ID	Filter -	Filter Job Name		Process Name		_	Job Executi ID	0.0	t Update
Filter Job Run ID 410082	Filter  Status Loaded	Filter Job Name ALC_SIZE_PROFILE_LOAD_JOB		Process Name ALC_SIZE_PROFILE_	ILLOC_IN_PRO	CESS	Job Executi ID	0.0	t Update
Filter Job Run ID 410082 410084	Filter       Status       Loaded       Loaded	Filter Job Name ALC_SIZE_PROFILE_LOAD_JOB ALC_SNAP_SHOT_ALLOC_IN_JOB		Process Name ALC_SIZE_PROFILE_ ALC_SNAP_SHOT_A	LLOC_IN_PRO	CESS	Job Executi ID	0.0	t Update
Filter Job Run ID 410082 410084 410085	Filter       Status       Loaded       Loaded       Loaded	Filter Job Name ALC_SIZE_PROFILE_LOAD_JOB ALC_SNAP_SHOT_ALLOC_IN_JOB ALC_SNAP_SHOT_ALLOC_OUT_JOB		Process Name ALC_SIZE_PROFILE_ ALC_SNAP_SHOT_A ALC_SNAP_SHOT_A	ILLOC_IN_PRO	CESS ROCESS ROCESS	Job Executi ID	0.0	t Update
Filter Job Run ID 410082 410084 410085 410086	Filter       Status       Loaded       Loaded       Loaded       Loaded       Loaded	Filter Job Name ALC_SIZE_PROFILE_LOAD_JOB ALC_SNAP_SHOT_ALLOC_IN_JOB ALC_SNAP_SHOT_ALLOC_OUT_JOB ALC_SNAP_SHOT_CROSS_LINK_JOB		Process Name ALC_SIZE_PROFILE_ ALC_SNAP_SHOT_A ALC_SNAP_SHOT_A ALC_SNAP_SHOT_C	LLOC_IN_PRO LLOC_OUT_PF ROSS_LINK_PF	CESS ROCESS ROCESS DCESS	Job Executi ID	0.0	t Update
Filter           Job Run ID           410082           410084           410085           410086           410087	Filter       Status       Loaded       Loaded       Loaded       Loaded       Loaded       Loaded       Loaded       Loaded	Filter Job Name ALC_SIZE_PROFILE_LOAD_JOB ALC_SNAP_SHOT_ALLOC_IN_JOB ALC_SNAP_SHOT_ALLOC_OUT_JOB ALC_SNAP_SHOT_CROSS_LINK_JOB ALC_SNAP_SHOT_CUST_ORD_JOB		Process Name ALC_SIZE_PROFILE ALC_SNAP_SHOT_A ALC_SNAP_SHOT_C ALC_SNAP_SHOT_C	LLOC_IN_PRO LLOC_OUT_PF ROSS_LINK_PF UST_ORD_PRO	CESS ROCESS ROCESS DCESS	Job Executi ID	0.0	t Update

Figure 2-5 Execution Requests Window

# **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 (X) to close the window.

Figure 2-6 Agent Job Requests Window

ki Nightly Ager	nt Job Requests												
ob Agent RIS													
RI Nightly Agen	nt Job Requests												
Actions v Vi	ew +   0 🔽 🖉 D												
ACOUNTS * VI		nach											
Filter *		Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
	_		Filter Job	Filter Process	Filter Payload	Filter	Filter Agent Id	Filter Application Name	Filter Create Date	Filter Start Time	Filter End Time	Filter Last Update Time	Executi
Filter •	Filter	Filter						Application					Filter Execution Request 200

# 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



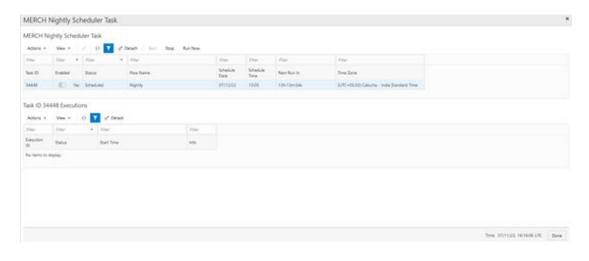
- Info Error Information in case the request is in Error status
- Agent Id The identifier of the Agent which Initiates the job execution request
- Application Name
- Create Date
- Start Time
- End Time
- Last Update Time
- Execution Request Id
- Job Run Id
- Submitted

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



Actions +	View	*	107	ef Detach Run Stop	Run Now				
Filter	Filter	*	Filter +	Filter		filter	filter	Piter	Filter
Task ID	Enabled		Status	Flow Name		Schedule Date	Schedule Time	Next Run In	Time Zone
33993	0	Yes	Scheduled	ACTIVITY_SCHED_PURGE_CVC	LE	07/12/22	18:25	18h:27m:09s	(UTC+05:30) Calcutta - India Standard T
34017	00	Yes	Scheduled	BDI_COFUTUREAWAIL_CYCLE		07/12/22	11:25	16h:57m:09s	utc
35457	0	No	Disabled	SA_TRANSACTION_LOADING_CYCLE					unc
25433	0	No	Disabled	SA, TOTALS, CALC, CYCLE					une
34644	0	No	Disabled:	ORDREV_EDIOLORD_CICLE					ute
54620	07	No	Disabled	ORDER, REVISION, CYCLE					utc
35409	03	No	Disabled	SA_RULES_EVAL_OYCLE					urre
35370	03	No	Disabled	TRANSFER_PURGE_CYCLE					unc
54595	03	110	Disabled	ITEM_INDUCTION_CYCLE					unc
34573	00	No	Disabled	INV_ADI_PURGE_CVCLE					USC
35346	0	No Disabled		TRANSFER_CLOSE_CYCLE					utc
35322	0	tiq	Disabled	TAX_EVENT_PURSE_CVCLE					UTC
35,290	0)	No	Disabled	STORE_ORDERS_PURGE_CYCLE					UTC
ask ID 339	993 Exe	cutio	ns						
Actions +	View	•	0 🝸 2 Det	ach					
Filter	Filter +		* Filter	Filter					
Execution	Status		Start Time	Start Time					

#### Figure 2-8 Recurring Scheduler Tasks Window

Click **Done** or the close window icon (X) 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 Cancelled
- 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**

**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.

If the user makes a ch schedule the task.	nange to t	he ti	ne, he or she needs to click the <b>Run</b> action to
	e user car	n clio	ust be in a state other than Scheduled. If it is k the stop action, which puts the task in a ditable.
Edit Task ACTIVITY	_SCHED_F	PUR	E_CYCLE
Enabled			
Schedule Date	02/01/21		
Schedule Time	12:11 PM	⊜	v
			Cancel Ok

It is alternatively possible for the user to circumvent the steps mentioned above and click on Run Now if they intend to schedule the task for immediate execution.



	8 / 0 7	ef Detailt III 3100 Aut Now									
	10x1111	New .	liter .	10ml	Ann	Alter	*	20ar	(Alter	the .	10w
ef .	Salar	Provide Name	Owception	Trapang	Liner cosumences	Prevent start, during rightly		Schedule Dete	Sitelute Time	Next Raw In	Tirte Zone
744	Scheduled	CMP/RG_PROCESS_ADHOC	CMPRE, PROCESS, ADHOC	Daty		4		01/12/02	1724	17h.00mJak	8/70+05/2
	Scheduled	CHERG,GAD,MOCKE	CINERD, GAO, PROCESS	Dely		4		01/12/02	17.04	17te@lev@ike	6/10+063
194	Shakel	ALC, DRIVEROMD, REVERSE (ROCELS, ADV.	ALC, DAGHBOHRD, RURESH.	Daty		~		101101	2000	19156-128	- SURC H050
1.144	Streduled	CMPUPUD,PROCESS,ADHOC	CNIN,PLD,PROCESS,ADHOC	Daily		~		10/12/22	1734	17100-046	6/70+080
744	Snethel	CONTEVENTING_MOCESSUACHOD	COSTEVENTRE_PROCESE	Delp		~		29(17)102	17,54	171(0)(0)(28)	8/10105
74	Scheduled	ASYNC., KM, STATUS, ASTRY, CLEANUF, PRO	ASING, ICR, STREAD, RETRY	Dely		+*		10/12/22	1724	17h.bbm246	8,70,+051
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	+ Her	hter									
	Start Time	100									
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#### Figure 2-9 Standalone Scheduler Tasks Window

Click **Done** or the close window icon  $(\mathbb{X})$  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.



Edit Task REPL_INDCTN_PURGE_PROCESS_ADHOC					
Enabled					
Description	Purge Replenish Records				
Frequency	Minutes 💌 15 🔹 🔨				
Limit occurrences	1 🔹 🔨				
Schedule Time	12:00 AM 🕑 (UTC+05:30) Calcutta - India Standard Time	Ŧ			
Prevent start during nightly					
	Cancel	k			

### Note:

If the time is left blank for a standalone task, it will execute immediately upon clicking  $\mathbf{Ok}$ .

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

Batch Cycle Det	ails					×
RI Nightly						
	Error (2) Skipped (1)     Completed (5) Loaded (733)     Disabled (1)	Est. Completion Time: Est. Time Remaining:	Total Duration: 0 min 🖗 Average Duration: 0 min 🚱 Run Start:			
External Depe	ndencies					
Status	Source Job	Target Job				
🙆 Pending	ZIP_FILE_WAIT_JOB	Testing Job	Disable			
Inter-Schedule	e Dependencies No Inter-Schedule Dependence	sies found				
Schedule Link	S					
Status	Source Job	Target Job	Target Process	Target Schedule		
S Failed	GENERIC_BATCH_MILE_MARKER_JOB	ALCDETAILSSDE_JOB	ALCDETAILSSDE_PROCESS	RDE	Retry	
Callbacks No o	Callbacks found					
						Refresh Done

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**

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**

ctions 🔻 View 👻 📰 🍸 Detach					
External Job	DependencyType	External Process	External Schedule Name	External Dependency Status	External Dependency Enabled
Wh_Fnd_ProcessFlow_From_RMS#end	EXTERNAL			PENDING	<u> </u>
WeeklySales_Tx_ProcessFlow_From_RMS#end	EXTERNAL			PENDING	M
WeeklySales_Tx_FileCreator_ProcessFlow_From_RMS#end	EXTERNAL			PENDING	M
Uda_Fnd_ProcessFlow_From_RMS#end	EXTERNAL			PENDING	M
UdaValues_Fnd_ProcessFlow_From_RMS#end	EXTERNAL			PENDING	M
UdaltemLov_Fnd_ProcessFlow_From_RMS#end	EXTERNAL			PENDING	M
UdaAndUdaValues_Fnd_ProcessFlow_From_RMS#end	EXTERNAL			PENDING	M
UdaAndUdaValues Fnd FileCreator ProcessFlow From RMS#end	EXTERNAL			PENDING	R

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 Dep	Inter-Schedule Dependencies								
Status	Source Job	Target Job	Target Process	Target Schedule					
🙆 Pending	ZIP_FILE_WAIT_JOB	ALCDETAILSSDE_JOB	ALCDETAILSSDE_PROCESS	RDE	Disable				

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

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

- Status
- Source Job Click to open the job in the Batch Job Details screen.



- Target Job Click to open the job in the Batch Job Details screen. Target job is dependent on the source job.
- Target Process Process containing the target job.
- Target Schedule Schedule containing the target process/job.
- A Disable/Enable button to disable or enable the dependency.

### Schedule Links

Schedule Links					
Status	Source Job	Target Job	Target Process	Target Schedule	Info
🙆 Pending	GENERIC_BATCH_MILE_MARKER_JOB	ALCDETAILSSDE_JOB	ALCDETAILSSDE_PROCESS	RDE	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

C	allbacks						
	Status	dol	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**

liter	▼ Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	
tatus	dof	Application	Last Update	Parameter	Job Type	Process Name	Process Status	Log	Job Description	Start Time	End Time	
Loaded	MFP_BATCH_AGG_D_JOB	MEP	05/10/21 01:43:49 CDT	solution=	RPAS	MFP_BATCH_AGG_PROCESS	O Loaded		MFP Batch Calculations Daily Job			
Loaded	MFP_BATCH_AGG_END_JOB	MEP	05/10/21 01:43:49 CDT	#SysOpt	EXEC	MFP_BATCH_AGG_PROCESS	O Loaded		MFP Batch Calculations End Job			
Loaded	MFP_WB_BUILD_START_JOB	MEP	05/10/21 01:43:49 CDT	#SysOpt	EXEC	MFP_WB_BUILD_PROCESS	O Loaded		MFP Workbook Build/Refresh Start Job			
Loaded	MFP_WB_BUILD_END_JOB	MEP	05/10/21 01:43:49 CDT	solution=	EXEC	MFP_WB_BUILD_PROCESS	O Loaded		MFP Workbook Build/Refresh End Job			
Loaded	MFP_WB_BUILD_D_JOB	MEP	05/10/21 01:43:49 CDT	#SysOpt	EXEC	MFP_WB_BUILD_PROCESS	O Loaded		MFP Workbook Build/Refresh Daily Job			
Loaded	MFP_PRE_EXP_START_JOB	MEP	05/10/21 01:43:49 CDT	#SysOpt	EXEC	MFP_PRE_EXP_PROCESS	O Loaded		MFP Pre Exports Start Job			
Doaded	MFP_PRE_EXP_RDX_D_JOB	MEP	05/10/21 01:43:49 CDT	#SysOpt	EXEC	MFP_PRE_EXP_PROCESS	<ul> <li>Loaded</li> </ul>		MFP Pre Exports to RDX Daily Job			
) Loaded	MFP_PRE_EXP_OBS_D_JOB	MEP	05/10/21 01:43:49 CDT	#SysOpt	EXEC	MFP_PRE_EXP_PROCESS	Loaded		MFP Pre Exports to Files Daily Job			
Coaded	MFP_PRE_EXP_END_JOB	MEP	05/10/21 01:43:49 CDT	#SysOpt	EXEC	MFP_PRE_EXP_PROCESS	O Loaded		MFP Pre Exports End Job			
Loaded	MFP_PRE_DATA_IMP_START_JOB	MEP	05/10/21 01:43:49 CDT	solution=	RPAS	MFP_PRE_DATA_IMP_PROCESS	O Loaded		MFP Pre Data Imports Start Job			
Loaded	MFP_PRE_DATA_IMP_RDX_D_JOB	MEP	05/10/21 01:43:49 CDT	#SysOpt	EXEC	MFP_PRE_DATA_IMP_PROCESS	O Loaded		MFP Pre Data Imports from RDX Daily Job			_
Loaded	MFP_PRE_DATA_IMP_OBS_D_JOB	MFP	05/10/21 01:43:49 CDT	#SysOpt	EXEC	MFP_PRE_DATA_IMP_PROCESS	O 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	O Loaded		MFP Pre Data Imports End Job			
Loaded	MFP POST EXP START JOB	MEP	05/10/21 01:43:49 CDT	#SysOpt	EXEC	MFP POST EXP PROCESS	O Loaded		MEP 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

### Action 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:

Actions Menu/Icons	Description
Hold	Use the <b>Actions &gt; Hold</b> or the <b>Hold</b> button to put the process on hold.
Skip	Use the <b>Actions &gt; Skip</b> or the <b>Skip</b> button to skip the process.
Run	Use the <b>Actions &gt; Run</b> or the <b>Run</b> button to run the process immediately.
Rerun	Use the <b>Actions &gt; Rerun</b> or the <b>Rerun</b> button to run the job again.

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



Actions Menu/Icons	Description
Kill	Use the <b>Action&gt;kill</b> or the <b>Kill</b> button to stop the execution of the job.
	The job needs to be running for this action to be enabled. 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.
	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.
	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 maybe 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 not post cleanup will be performed. This may or may not be ok for this job. Check with Oracle Support if this is a concern.
Edit Parameters	Use the <b>Actions &gt; Edit Parameters</b> or the <b>Edit Parameters</b> button to edit the parameters for the job. The new parameters are only effective for the current day's batch run.

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

### 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.



Details on Error Job W_RTL_CURR_MCAL_G_JOB						
Reason Possible Resolution	This Job has failed during execution at the Agent. Please reach out to the Oracle support team, for further investigation.					
Error Info	Batch Job failed in Job Agent					
Job Execution ID Start Time End Time Last Updated	1300 05/03/21 04:45:45 CDT 05/03/21 04:46:13 CDT 05/03/21 04:46:13 CDT	Execution Request ID 161 Execution Request Status ERROR Download Log Cancel Ok				

## 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 None 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_ADAPT	OR_INV_JOB										
O Job Status: Skipped	t										Release Sk
Executions											
Status	ID	Job Run ID	Start Time	End Time	Log						
😣 Error	21641	413116			<u>+</u>						
Pre Dependencie	s										
Status	Job			Process							
📀 Completed	DUMMY_STA	RT_NIGHT_BAT	CH_JOB	DUMMY_START_M	IGHT_BATCH_PROCESS						
Post Dependenci	es										
Status	Job			Process							
📀 Completed	DISABLE_RIE	PUB_TRIGGE	R_JOB	DISABLE_RIB_PUI	TRIGGER_PROCESS						
External Depende	encies No Exter	nal Dependenci	ies found								
nter-Schedule D	ependencies	No Inter-Sche	dule Dependencies	found							
Schedule Links											
Status	Job			Process		Schedule					
🙆 Skipped	REFRESHOD	IVARIABLES_JO	08	SETUP_PROCESS		RDE		R	Retry		
Callbacks											
Status	Job			Process		Payload	Info				
× Failed	STOP_RIB_A	DAPTOR_INV_	IOB	STOP_RIB_ADAP	OR_INV_PROCESS	Payload	Info	R	Retry		
										Refres	sh Do

### Figure 2-11 Batch Job Details with Status Information

Job LIKESTOREBATCH_JOB Job Status: Error Reason: This Job has failed d Resolution: Please reach out	during execution at the Job			
Reason: This Job has failed d	during execution at the Job t to the POM support team			
	it to the roll support team,	Admin. for further investigation.		
Execution Requests				
Status Ex	Execution ID Job Run ID	Request Time		
😢 Error 10	101 255071	02/23/21 15:15:10	Error Info	
Executions				
Status ID	ID Job Run ID	Start Time	End Time	Log
😢 Error 17	1720 255071	02/23/21 15:15:10 CST	02/23/21 15:15:10 CST	<u>+</u>

# **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	
(1) Pending	Testing Job	Disable

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

Status



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

# Inter-Schedule Dependencies

Inter-Schedule Depe	ndencies			
Status	dol	Process	Schedule	
🕚 Pending	ALCDETAILSSDE_JOB	ALCDETAILSSDE_PROCESS	RDE	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 Link	s				
Status	Job	Process	Schedule	Info	
Pending	ALCDETAILSSDE_JOB	ALCDETAILSSDE_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	dol	Process	Date	Payload	Info	
🔀 Failed	W_INT_ORG_DH_RTL_TMP_JOB	LOAD_DIM_INITIAL_ADHOC		Payload	Info	Retry

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
-------------	-------------------------

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

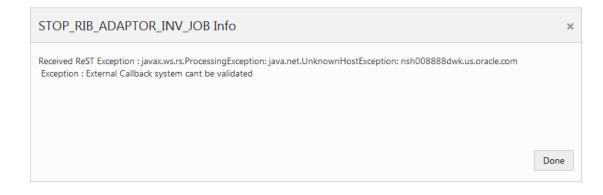
# Info Window

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



Select Done to close the window.

#### Figure 2-13 Callback Info Window



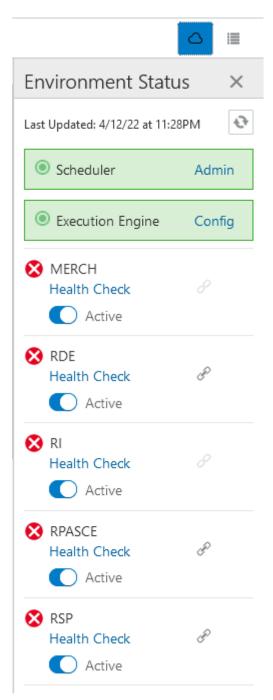
# Status

#### 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



### 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.



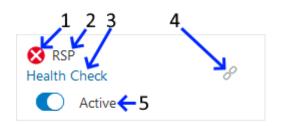
### **Execution Engine**

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 S.
- 2. Environment Abbreviation of the environment name.
- 3. Health Check Opens the Health Check for the environment.
- 4. Link An icon which indicates if Inter-Schedule Dependencies are enabled or disabled.
- 5. 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

Downloa	d MERCH Cy	/cle Sumi	mary for 08,	/18/20 ×
Cycle	Standalone			•
Туре	● CSV ○ J:	SON		
		Cancel	Download	Open Report



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

### Scheduler Administration Window

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

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

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

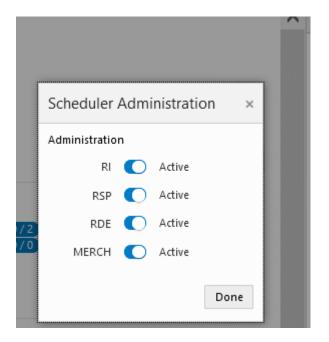


Figure 2-17 Scheduler Administration Window

### **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:



Execution Engine Configuration				×
Configuration				
Executor Service Polling Interval	5	~ ^	Seconds	
Monitoring Service Polling Interval	15	~ ^	Seconds	
Thread Pool Size	100	~ ^		
				Done

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.



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

#### 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.
  - SERROR The process is not communicating with the environment.
- Source The name of the process and the response received by the process.

### Activity Feed

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

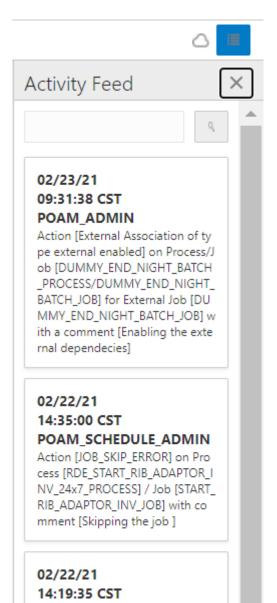


When the icon is clicked, the Activity Feed panel opens on the right side of the screen. The panel displays up to seven days' worth of activities performed both by the system and by users through the user interface.

Click the close window icon ( $\times$ ) to close the window.



#### Figure 2-20 Activity Feed



# System Configuration

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

Select **System Configuration** in the Navigation Area to open the System Configuration screen and select the Schedules tab. This tab displays the schedule level configurations for each schedule setup for this environment.



Schedules System						Global Edit	Configure	New Schedule
MERCH 21.6	RI 21.13.20		RDE 21.18.001.20		RSP 21.5.100.10			RPASCE 19.
Business Date: 01/19/22 System Options Last Schedule Update:	Business Date: 01/22/22 Sy Last Schedule Update:	stem Options	Business Date: 03/22/22 System Last Schedule Update:	Options	Business Date: 02/12/22 Last Schedule Update:	Syste	m Options	Business D Last Sched
Settings /	Settings	/	Settings	/	Settings		/	Settings
Data Retention Days     2       Long Run Average Time Multiplier     3       External Dependencies     Enabled       InterSchedule Dependencies     Disabled	Data Retention Days Long Run Average Time Multiplier External Dependencies InterSchedule Dependencies	3 22 Enabled Disabled		30 2 Enabled Enabled	Data Retention Days Long Run Average Time External Dependencies InterSchedule Depender		35 5 Enabled Enabled	Data Reter Long Run External D InterSched
Throttling	Throttling	/	Throttling	/	Throttling		/	Throttlind
Job Agent ALLOC Throttle Limit 12	Job Agent RIS Throttle Limit	13	Job Agent RDE Throttle Limit	12	Job Agent RIS Throttle L	imit	4	Job Agent
Environment /	Environment	/	Environment	/	Environment		/	Environn
ALLOC 22.1.201.0 RMS 22.1.201.0	RIS	22.1.201.0	RDE 22	.1.201.0	RIS	:	22.1.201.0	RPASCE
External Configuration	External Configuration	/	External Configuration	/	External Configuratio	n	/	External
External URL External Status Update Mode FAILED Credentials Yes	External URL External Status Update Mode Credentials	NONE Yes	External URL External Status Update Mode Credentials	NONE No	External URL External Status Update M Credentials	Node	ALL No	External U External S Credentia
Job Type /	Job Type No Job Types Configured	/	Job Type No Job Types Configured	/	Job Type CJTCUSTOM		/	Job Type <i>No Job T</i> y

### Figure 2-21 System Configuration

# **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.

Configuring a new schedule is typically done upon provisioning the environment by Oracle operations. If for any reason the configuration has not yet been done by Oracle, an administrator can alternatively accomplish that through the UI.

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.



Configure New Schedule							:
Schedule Configuration	Job Agent				Job Type		
* Schedule Name	Name	URL			Name	Url	OAuth Scope
Description							×
External System Configuration	+ Add Another Schedule Variables				+ Add Another		
URL	Туре	Variable Name	Value				
Username		-		×			
Password	+ Add Another						
Platform Services	Services						
URL	Туре	Application	URL				
		-		×			
	BDI Process Flow URL	^		×			
	RMS Web Services			×			
	URL URL			×			
	IDCS URL						
	IDCS URL for CFS	<b>~</b>					Cancel OK

#### Figure 2-22 Configure New Schedule

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; for example, 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
- Job Type This is an optional section for setting up one or more custom job types other than the standard, pre-defined job types provided by the retail applications, such as EXEC, RI, RASE, BDI, and RPAS. The user then associates a custom job type with the base URL for endpoints at the destination system. These are endpoints for starting a job, restarting a job, killing a job, checking status of a job, fetching the log for a job, and validating the URL. By setting up a custom job type, the user must then create a custom schedule spreadsheet containing jobs with that job type. When this batch schedule runs, POM executes that job using the corresponding, defined Start endpoint. If the user misses the opportunity to configure the job type at this point, they do have the opportunity to add that using the Job Type Configuration screen (see Edit Job Type for more information). Attributes for this section are:
  - Name A short, alphanumeric identifier of the job type. This typically reflects the system or application where associated jobs are to be executed (for example, RDS).
  - URL Base URL for endpoints at the destination system where batch is to be invoked (for example, https://server/services/batch).
  - OAuth Scope Authentication scope for accessing the batch endpoints at the above 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 21.6

- 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.
- The system options are a set of key-value pair of attributes and values specific to the given schedule such as location of directories or throttle enabling setting. System options can also be used to define shell script warning or error exit codes. If any such codes are specified, they will cause a shell script based job to fail or complete with warning.

Examples of system options:

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.

System Options for MERCH Job Admin			>
Options			,
Key	Value		
AllocAppUser	BATCH-ALIAS	Edit Remove	^
Dir	/u01/retail/rms/orade/proc/bin	Edit Remove	
PayloadPurge	FLAT_FILE	Edit Remove	
PostingExtractPath	/u01/retail/rms/batch/cutgoing	Edit Remove	
REIMAppUser	BATCH-ALIAS	Edit Remove	
RMSAppUser	BATCH-ALIAS	Edit Remove	
RPMAppUser	BATCH-ALIAS	Edit Remove	
RpmInductionDir	/u01/retail/rpm/RpmInductionDir	Edit Remove	
RpmPublishDir	/u01/retail/rms/batch/outgoing	Edit Remove	
aipDir	/u01/retail/rms/retl/Cross_Pillar	Edit Remove	
allocDir	/u01/retail/alloc/alloc-batch/batch	Edit Remove	
			Done

#### Figure 2-23 Edit System Options

The system options are a set of key-value pair of attributes and values specific to the given schedule such as location of directories or throttle enabling setting. System options can also be used to define shell script warning or error exit codes. If any such codes are specified, they will cause a shell script based job to fail or complete with warning.

Examples of system options:

Кеу	Value
enableThrottling	FALSE
WarningCode110	Some input files were not processed
ErrorCode40	Input file corruption detected

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

Settings - See Edit Settings for details.

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

- Data Retention Days
- Long Run Average Time Multiplier
- External Dependencies
- InterSchedule Dependencies
- **Throttling** See Edit Throttling for details.

Throttling	/
Job Agent RPASCE Throttle Limit	10

- Job Agent Throttle Limit
- Environment See Edit Environment for details.



- Job Agent name (for example, RPASCE). This also acts as a link which, when clicked, opens the Job Agent Configuration Window.
- Job Agent version
- External Configuration See Edit External Configuration for details.

External Configuration	/
External URL http://nci	nalCall
External Status Update Mode	NONE
Credentials	No



- External URL
- External Status Update Mode
- Credentials
- Job Type See Edit Job Type for details.

Job Type	/
RDS	

– **Job Type** - For example, **RDS**.

# **Edit Settings**

To edit the settings for an environment, click the edit icon  $\checkmark$  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	$\sim$	^	
* Default Average Run Time	0	$\sim$	^	
* Business Date:	04/08/21			
	Current Busine	ess D	ate is	04/10/21
Background Jobs	Disabled			
External Dependencies	C Enabled			
InterSchedule Dependencies	C Enabled			
Repave Strategy	• Fixed	) Va	ariabl	e
* Window Duration	60	$\sim$	^	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  $\checkmark$  in the Throttling section to open the Throttling window.



Throttling for MERCH 19.2.6	666 ×
Job Agent RMS	
Application	Throttling Value
ALLOC	11 🗸 🔨
REIM	10 🗸 🔨
RESA	10 🗸 🔨
RMS	10 🗸 🔨
RPM	10 🗸 🔨
	Cancel OK

Figure 2-25 Edit Throttling Window

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

Select  $\mathbf{OK}$  to save the changes, or select  $\mathbf{Cancel}$  to exit the window without saving changes.

# Edit Environment

The environment settings can be changed by selecting the edit icon  $\checkmark$  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.

Fundament for DI	21 12 20			
Environment for RI	21.13.20			
Platform Services URL		http://server:port//RetailAppsPlatformServices		
Job Agents Services				
Job Agents				
Application	Name	URL	Version	
RI	RIS	http://pomagentservice:8080/POMAgent	22.1.201.0	×
+ Add Another				Cancel OK
Environment for RI 2	21.13.20			
Platform Services URL		http://server:port//RetailAppsPlatformServices		
Job Agents Services				
Services				
Туре	Applic	cation URL		
Type RI Web Services URL	Applic	xyz.com		×
				×

Figure 2-26 Edit Environment Window

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.

### Job Agent Configuration Window

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

An Agent is the component usually deployed alongside the application for which the batch runs. It receives requests from the POM application, usually deployed on a common server. These requests direct the agent to invoke the actual job execution on the target application.

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



#### Figure 2-27 Job Agent Configuration Window

RIS Agent Configuration	
Configuration Settings	
Name	Value
supportedApps	RSP
scheduleName	RI
Throttle Groups	
Group Name	Throttle Limit
RI	13
RI_RI	13

#### **Configuration URLs**

Туре	Url
RIWSURL for RI	xyz.com
RIWSURL	dummy
POM	NUMBER AND ADDRESS ADDRES
RPASWSURL for rpasce	xyz
IDCS	
BDIPFURL	NUMBER OF THE OWNER OWNER OF THE OWNER
RIWSURL	xyz
RASEWSURL	servicel '- com x

#### Job Types Configuration

Job Type	Defination	Url
ENG	Info	ВТ
FRA	Info	www.´ n
CJTCUSTOM Info	10.000 per ce co 200.000	
		Sync With POM Refresh Done

This window displays information about the Agent's **Configuration Settings**, **Throttle Groups** and **Job Types**.

It also displays a **Configuration URLs** section which lists service URLs that POM needs to operate. These include service URLs for calling endpoints to execute batch in the case where the jobs are service-based (versus shell-script-based) and are of predefined job types such as RI, RASE and RPAS.

The **Throttle Groups** section displays throttle limits (the maximum number of job that can execute concurrently). These are defined either on the batch schedule spreadsheet or on the **Throttling** section of this System Configuration screen.

The **Job Types Configuration** section displays all custom job types defined either on the batch schedule spreadsheet or on the **Job Type** section of this System Configuration screen.



This window also features a **Sync With POM** button (formerly called **Publish**). When clicked, it will synchronize the information on this screen from POM to the Job Agent. These changes are also synchronized automatically to the Job Agent upon the daily creation of a new scheduler day.

# Edit External Configuration

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

External Configuration for RSP 19.0.0					
External Status URL	http://	/Extern			
External Status Update Mode	ALL				
Credentials	Update Credentials				
		Cancel OK			

Figure 2-28 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.

# Edit Job Type

The job type configuration can be changed by selecting the edit icon  $\checkmark$  in the **Job Type** section to open the **Job Type Configuration** window .



	pe Configuration							
Job Types Actions + Vew + B / X O T at Detsch								
Actions +	View + B / X O	eff Detach	Filter	Filter	Filter	Filter	Filter	Filter
ob Type	Url	Job Start	Job Restart	Job Status	Job Kill	Job Logs	Validation	Scope
TCUSTOM		custom/job/start_logs/by/a	custom/job/restart_logs/by/	custom/job/status/by/amish	custom/job/kill/by/amish	custom/job/logs/by/amish	custom/job/validation/by/a	custom/job/scope/by/amish
OCKTEST	The last sector with the sector of	/start	/restart	/status	/kill	/log	/validation	rgbu:pom:agent-administrat.

#### Figure 2-29 Job Type Configuration Window

This window displays a table of configured job types. Each row contains the following fields:

**Job Type** - A short, alphanumeric identifier of the job type. This typically reflects the system or application where associated jobs are to be executed (for example, RDS).

**URL** - Base URL for endpoints at the destination system where batch is to be Invoked (for example, https://server/services/batch).

**Job Start** - Endpoint for invoking the execution of a job.

**Job Restart** - Endpoint for restarting the execution of a job after failure.

Job Status - Endpoint for POM to fetch the status of a started job.

Job Kill - Endpoint for terminating the execution of a running job.

**Job Logs** - Endpoint for fetching the log(s) for a job.

Validation - Endpoint for validating that the endpoints are reachable.

Scope - Authentication scope for accessing the above endpoints.

The user can edit or delete an existing row, or create a new job type.

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

See the *POM Implementation Guide* for additional details on setting up custom schedules with custom job types.

### System Settings

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



Schedules System
POM 22.1.201.0
Environment Name STr
Customer Name
Process Services URL
Platform Services URL
Deployed on CFS false

#### Figure 2-30 System Information Screen

# Edit System Settings

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

System Settings		×
System		
Environment Name	snphxprshared1	
Customer Name	POMCustomerName	
Environment		
Process Services URL	https://i	
Platform Services URL	https://r-' "	PlatformServices
Deployed on CFS	$\bigcirc$	
		Cancel OK

Figure 2-31 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.

Global Edit	Global Edit				
Select field	Select fields to apply as updates to all schedules.				
Settings	to apply as apartes to an served est.				
Apply	Label	Value			
	Data Retention Days	V A			
	Long Run Average Time Multiplier				
	Business Date:				
	Background Jobs	0			
	External Dependencies				
	InterSchedule Dependencies				
	Repave Strategy	Fixed Variable			
	report strategy				
External Config					
Apply	Label	Value			
		volue			
	External URL				
	External Status Update Mode	ALL 👻			
	Credentials	Username			
		Password			

#### Figure 2-32 Global Edit Screen

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.

D lightly: lecurrin itandalo Nightly	p: ne:	3744 Recurring: 1488 R 268 Standalone: 99 S	BRASCE 21.0.1 Ighthy: 52 ecurring: 0 tandalone: 1 Recurring: 0 Standalone: 267											Sync with MDF	Export Config Import Confi
IERCH														Synchroniza	coport coming import com
Actions		View + 2 0 7 g* Detad	h Enable All Disable All												
Filter			Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter *	Filter	Filter	Filter	Filter	Filter
Enabled		dof	Process Name	Application	Module	Parameters	Active Parameter	Job Type	External Status Undate	Skip On Error	Threshold Run Time (Sec)	Notes	Job Name	Job Wrapper Name	Days of the Week
0	Yes	ADMIN_API_PURGE_JOB	ADMIN_API_PURGE_PROCESS	RMS		admin_api_purge.ksh #SysOpt.dbwallet		EXEC	None		0		admin_api_purge.ksh	rmswrap_shell.ksh	Sunday, Monday, Tuesday,
0	Yes	ALC_DASHBOARD_REFRESH_JOB	ALC_DASHBOARD_REFRESH_PROCESS	ALLOC		#SysOpt.AllocAppUser		EXEC	None		0		AlcDashboardRefresh.ksh		Sunday, Monday, Tuesday
0	Yes	ALC_PLAN_JOB	ALC_PLAN_PROCESS_ADHOC	ALLOC		#SysOpt.dbwallet		EXEC	None	~	0		alct_plan.ksh		Sunday, Monday, Tuesday
0	Yes	ALC_RECEIPT_PLAN_JOB	ALC_RECEIPT_PLAN_PROCESS_ADHOC	ALLOC		#SysOpt.dbwallet		EXEC	None	~	0		alct_receipt_plan.ksh		Sunday, Monday, Tuesday
0	Yes	ALC_SIZE_PROFILE_JOB	ALC_SIZE_PROFILE_PROCESS_ADHOC	ALLOC		#SysOpt.dbwallet		EXEC	None	~	0		alct_size_profile.ksh		Sunday, Monday, Tuesday
0	Yes	ALLOCET_JOB	ALLOCET_PROCESS_ADHOC	RMS		allocbt.ksh #SysOpt.dbwallet		EXEC	None		0		allocbt.ksh	rmswrap_shell.ksh	Sunday, Monday, Tuesday
0	Yes	ASYNC_JOB_STATUS_RETRY_CLEANUP_JOB	ASYNC_JOB_STATUS_RETRY_CLEANUP_P	RMS		async_job_status_retry_cleanup.ksh #Sy		EXEC	None		0		async_job_status_retry_cl	rmswrap_shell.ksh	Sunday, Monday, Tuesday
0	Yes	BATCH_RFMCURRCONV_JOB	BATCH_RFMCURRCONV_PROCESS_ADH	RMS		batch_rfmvcurrconv.ksh #SysOpt.dbwaL		EXEC	None		0		batch_rfmvcurrconv.ksh	rmswrap_shell.ksh	Sunday, Monday, Tuesday
0	Yes	8DI_DeliverySlot_Fnd_PF_From_RMS_JOB	BDI_DeliverySlot_Fnd_PF_From_RMS_PR	RMS		DeliverySlot_Fnd_ProcessFlow_From_R		BDI	None		0		none		Sunday, Monday, Tuesday
0	Yes	8DI_DiffGrp_Fnd_PF_From_RMS_JOB	BDI_DiffGrp_Fnd_PF_From_RMS_PROCE	RMS		DiffGrp_Fnd_ProcessFlow_From_RMS Di		8DI	None		0		none		Sunday, Monday, Tuesday
0	Yes	8DI_Diff_Fnd_Pf_From_RMS_JOB	BDI_Diff_Find_PF_From_RMS_PROCESS_I	RMS		Diff_Fnd_ProcessFlow_From_RMS Diff_F		8DI	None		0		none		Sunday, Monday, Tuesday
	Yes	BDI_InvAvailStore_Tx_PF_From_RMS_JOB	BDI_InvAvailStore_Tx_PF_From_RMS_PR	RMS		InvAvaIIStore_Tx_ProcessFlow_From_RM		BDI	None		0		none		Sunday, Monday, Tuesday
	Yes	BDI_InvAvaiIWh_Tx_PF_From_RMS_JOB	BDI_InvAvaiIWh_Tx_PF_From_RMS_PROC	RMS		InvAvaIIWh_Tx_ProcessFlow_From_RMS		BDI	None		0		none		Sunday, Monday, Tuesday,
	Tes	BDL_ItemHdrTI_End_PF_From_RMS_JOB	BDI_ItemHdrTI_Fnd_PF_From_RMS_PRO	RMS		ItemHdrTI_Fnd_ProcessFlow_From_RMS		BDI	None		0		none		Sunday, Monday, Tuesday

#### Figure 2-33 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
- Export Config Use this button to export configurations for the selected schedule and cycle. These configurations include Scheduler tasks, throttle limit values, data retention values, notifications settings 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)

Export			×
Export As 💽 .xls	🔵 .json		
		Cancel	Ok

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.

Opening RI_config	json	×
You have chosen	to open:	
🛐 RI_config.j:	son	
which is: JS	ON file (375 KB)	
from: data:		
What should Fire	efox do with this file?	
● <u>O</u> pen with	Notepad	~
○ <u>S</u> ave File		
Do this <u>a</u> ut	omatically for files like this from now on.	
-	OK	Cancel

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 "Export/Import Schedule Configuration" chapter of the *Process Orchestration and Monitoring Implementation Guide* for details on applying changes to the exported spreadsheet before importing it back in.

 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.

Import Configuration for RI	×
Warning     Importing a schedule configuration will alter the current schedule's configuration     including enabling or disabling jobs. Are you sure you want to continue?	
<ul> <li>Import Scheduler Configuration</li> <li>Import Jobs Configuration</li> <li>Import Notifications Configuration</li> </ul>	
Close Import Confi	g

The user can select to import Scheduler tasks configuration and/or Jobs configuration and/or Notifications configuration. The jobs configuration includes such settings as throttle values, data retention values, enabled/disabled setting and Job Start/Completion notifications. The Scheduler tasks are those directives for the POM Scheduler to run the different batch cycles at specified times. The Notifications configuration includes e-mail addresses and retention periods associated with the different notification types.

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.



# **Batch Tiles**

Each tile displays the following information:



# Figure 2-34 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

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:

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

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

## 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:





	Cracle Retail Process Orchestration	and Monitoring								🛔 POAS	MADMIN 🔻
Batch Admir	nistration X										
<b>О</b> М	ERCH 21.0.003										
Nightly:	403										
Recurring:	4584 205										
Standalone:	200										
Nightly (403)	Recurring (4584) Standalone (205)								Sync with MDF	Export Config	Import Co
MERCH Nig											
Actions 👻	Vev 👻 🛛 🖉 😔 🔽 🖉 Detach	Enable All Disable All									
filter •	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Alter 💌	Filter
Enabled	dol	Process Name	Application	Module	Parameters	Active Parameter	Job Type	Kill Cleanup Script	External Status Update	Skip On Error	Threshold Ru Time (Sec)
O No	ALC_DAILY_CLEANUP_JOB	ALC_DAILY_CLEANUP_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser		EXEC		None		0
O No	ALC_DASHBOARD_REFRESH_XOB	ALC_DASHBOARD_REFRESH_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser		EXEC		None		0
O No	ALC_PURGE_ALLOC_JOB	ALC_PURGE_ALLOC_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser PURGE_ALLOC		EXEC		None		0
O No	ALC_PURGE_WRK_JOB	ALC_PURGE_WRK_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser PURGE_WORKSHEET		EXEC		None		0
O No	ALC_SCHEDULER_JOB	ALC_SCHEDULER_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser		EXEC		None		0
O No	ALC_SHRINK_SESSION_JOB	ALC_SHRINK_SESSION_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser		EXEC		None		0
O No	ALC_SNAP_SHOT_ALLOC_IN_JOB	ALC_SNAP_SHOT_ALLOC_IN_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser		EXEC		None		0
O No	ALC_SNAP_SHOT_ALLOC_OUT_JOB	ALC_SNAP_SHOT_ALLOC_OUT_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser		EXEC		None		0
O No	ALC_SNAP_SHOT_CROSS_LINK_JOB	ALC_SNAP_SHOT_CROSS_LINK_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser		EXEC		None		0
O No	ALC_SNAP_SHOT_CUST_ORD_X08	ALC_SNAP_SHOT_CUST_ORD_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser		EXEC		None		0
O No	ALC_SNAP_SHOT_ON_ORD_JOB	ALC_SNAP_SHOT_ON_ORD_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser		EXEC		None		0
O No	ALC_SNAP_SHOT_SOH_JOB	ALC_SNAP_SHOT_SOH_PROCESS	ALLOC	ALLOC_BATCH	#SysOpt.AllocAppUser		EXEC		None		0
O No	ALLOCBT_JOB	ALLOCBT_PROCESS	RMS	RMS_FOUND	allocbt.ksh #SysOpt.dowallet		EXEC		None		0
O No	ASYNC_JO8_STATUS_RETRY_CLEANUP_JOB	ASYNC_JOB_STATUS_RETRY_CLEANUP_PROCESS	RMS	RMS_ADMINI	async_job_status_retry_cleanup.ksh #SysOpt.dbwallet		EXEC		None		0
O No	BATCH_ALLOCTSFUPD_J08	BATCH_ALLOCTSFUPD_PROCESS	RMS	RMS_FOUND	batch_alloctsfupd.ksh #SysOpt.dbwallet		EXEC		None		0
No	BATCH_ARCHIVE_PURGE_HIST_JOB	BATCH_ARCHIVE_PURGE_HIST_PROCESS	RMS	RMS_ADMINI	#SysOpt.dbwallet 180		EXEC		None		0
O No	BATCH_COMPEFFUPD_JOB	BATCH_COMPEFFUPD_PROCESS	RMS	RMS_FOUND	batch_compeffupd.ksh #SysOpt.dbwallet		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 A Job Type is an attribute of a Job in POM and signifies the kind of Job that is run. POM has the following pre-built Job types:
  - EXEC For all shell-script based jobs
  - RI DIS-based jobs for the RI schedule
  - RASE DIS-based jobs for the RSP schedule
  - BDI BDI Jobs
  - RPAS RPAS-Web Service jobs for the RPAS schedule
- 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.
- Notification At



- Start of Job Send notification of type JobStarted when the selected job starts.
- Completion of Job Send notification of type JobCompleted when the selected job completes successfully. Note that there is a separate notification of type Error that is sent when a job fails.
- 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 2-36 Recurring Batch List

ORACLE <sup>®</sup> Oracle Retail Process Orchestration and Monitoring										₫ POAM	ADMIN Y
Earch Administration X											
MERCH 21.0.003											
North: 403											
Recurring: 4554 Zandalone: 205											
NgHy (403) Recurring (4554) Standalone (205) Hourly, Cycle, 1 V									Sync with MDP	Export Config	Import C
Flows	MERCH Re	curring - Hourly_Cycle_1									
Riber by Row Name	ACTIVITY_S	CHED_PURGE_CYCLE Jobs									
		Vev * 🛛 🖉 🖉 🖉 Deta	a from the structure								
ACTIVITY_SCHED_PURGE_CYCLE		Nev - 17   0   1   2 Des	fiber	/iber	/iber	fiter	filter	filter	filter		
C Enabled							Active				
BDI_COFUTUREAVAIL_CYCLE	Enabled	100	Process Name	Application	Module	Parameters	Parameter	Job Type	KII Dearup Sorip	e	
Enabled	O Ne	ACTIVITY_SCHED_PURSE_JOB	ACTIVITY_SCHED_PURGE_CYCLE_PROCESS_01	RVS	RV5_BACKSR_	b8dwrap.ksh #5ysOpt.dbwallet ACTIVITY_SOHED_P		EXEC			
BDI_ITEMLOC_INIT_CYCLE	4										
C Enabled											
BDI_ITEM_SUPPLIER_INIT_CYCLE											
C Inabled											
BDI PCKITEMBRKOUT INIT CYCLE											
C Ended											
BDI_PRICING_CLR_TX_CYCLE											
Disbled											
BDI_PRICING_PC_TX_CYCLE											
-											
BDI_PRICING_PROMO_OFFER_TX_CYCLE											

- 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 servicebased. 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)
- Notes
- Job Name
- Job Wrapper Name
- Days of the Week

## Standalone

The standalone monitoring cycle includes the following information for each batch. Refer to the Nightly cycle above for an explanation of each field:

ORA	Ċ	Oracle Retail Process Orchestration and	d Monitoring										
Batch A	deninist	tration ×											
0	1477	CH 21.0.003											
0													
Nightly: Recurring:		403 4584											
Standalone		205											
Nightly (4	(60	Recurring (4584) Standalone (205)										Sync with	MD
MERCH	Adho	oc.											
Actions 1	-	View 👻 📝 🔍 🔽 of Detach	Enable All Disable All										
Filter	¥	Atter	Aber	filter	Elter	Alter	Filter	Filter	Alter .	Filter	Alter •	Alter .	File
Enabled		Job	Process Name	Application	Module	Parameters	Active Parameter	Job Type	Kill Cleanup Script	External Status Update	Skip On Error	Threshold Run Time (Sec)	Note
	No	ADMIN_APURGE_08	ADMIN_APUPURGE_PROCESS	RMS	RMS_ADMINI	admin_api_purge.ksh #SysOpt.dbxallet		EXEC		None		0	
0	No	ALC, DASHBOARD, REFRESH, JOB	ALC_DASHBOARD_REPRESH_PROCESS_ADHOC	ALLOC	ALLOC_BATCH	#SysOptAllocAppUser		EXEC		None		0	
	No	ALC,PLAN,J08	ALC_PLAN_PROCESS_ADHOC	ALLOC	ALLOC, BATCH	#SysOpt.dovallet		EXEC		None	~	0	
	No	ALC_RECEIPT_PLAN_JOB	ALC_RECEPT_PLAN_PROCESS_ADHOC	ALLOC	ALLOC_BATCH	#SysOpt.dovallet		EXEC		None	~	0	
	No	ALC_SIZE_PROFILE_IOB	ALC_SIZE_PROFILE_PROCESS_ADHOC	ALLOC	ALLOC_BATCH	#SysOpt.dovallet		EXEC		None	~	0	
	No	ALLOCET_JOB	ALLOCET_PROCESS_ADHOC	RMS	RMS_FOUND	allocot.ksh #SysOpt.dovallet		DEC		None		0	
	No	ARCHIVE_FLES_ADHOC_JOB	ARCHIVE_FILES_ADHOC_PROCESS	RMS	RMS_FOUND	6 185		EXEC		None	~	0	
	No	ASYNCJOB_STATUS_RETRY_CLEANUP_JOB	ASYNC.JOB_STATUS_RETRY_CLEANUP_PROCESS_A	RMS	RMS_ADMINL.	async_job_status_retry_cleanup.ksh #5ysOpt.dovallet		EXEC		None		0	
0	No	BATCH_RFMCURRCONV_JOB	BATCH, RFMCURRCONV, PROCESS, ADHOC	RMS	RMS_FOUND	batch,rfmicurcom/kah #SysOpt.dbvallet		EXEC		None		0	
0	No	8D CompanyClosed Jind PF From JIMS JOB	8DI_CompanyClosed_Find_PF_From_RMS_PROCESS	RMS	RMS_BOUNT	CompanyClosed_Ind_ProcessFlow_From_RMS Com		801		None		0	
		8DLDeliver/Slot.Fnd.PF.From.RWSJD8	BDI, DeliverySlot, Find, PF, From, RVIS, PROCESS, INIT			DelivenSlot, Fnd, ProcessFlow, From, RMS DelivenS.,		80		None		0	
	No												

Figure 2-37	Standalone	Batch	List
-------------	------------	-------	------

- Enabled
- Job Click the Job to open the batch in the Batch Job Details screen. •
- **Process Name**
- Application
- Module



🛔 POAM ADMIN 👻 🔞 👻

- 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 shellscript 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)
- Notes
- Job Name
- Job Wrapper Name
- Days of the Week

## **Batch Job Details**

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

Figure 2-38	<b>Batch Job Details</b>
-------------	--------------------------

Batch Job I	Details			
Job ALCDETA	AILSSDE_JOB			
Pre Deper				
Enabled	Job	Process		
C) Yes	DSCT1PSDE_IOB	DSCT1PSDE_PROCESS		
Post Depe	endencies			
Enabled	Job	Process		
C Yes	DOMIANMEMLKUPSDE_JOB	DOMIANMEMLKUPSDE_PROCESS		
Colored C	Dependencies			
+ Add	Dependencies			
	dol			
Ves Ves	Externallob	Remove		
Inter-Sch	edule Dependencies			
+ Add	edule bependencies			
Enabled	Job	Process	Schedule	
C Nor	W_RTL_CURR_MCAL_G_JOB	ADVANCE_DATE_PROCESS	RI	Remove
	N D N C CON ON CHICO DO	Nonecon Criterio	10	
Schedule	Links			
+ Add				
Enabled	Job	Process	Schedule	
Ves	GENERIC_BATCH_MILE_MARKER_JOB	BATCH_INITIAL_START_PROCESS	RI	Remove

### 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 interschedule 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.

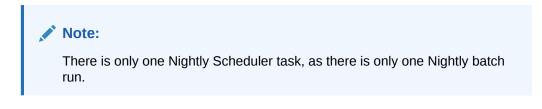


Figure 2-39 Nightly Scheduler Task Administration

0	RPASCE 21.1	O RDE 19.1.003	O TESTUR	S 0.0.0.0	O SCHE	EDULE1 0.0.0.0	0	RSP 19.1.002	0	RI 19.1.003	0	MERCH 19.2.666	0	TEST 0.0.0.0	
ightly: ecurring: andalone:	1 0 1	Nightly: 1 Recurring: 0 Standalone: 0	Nightly: 0 Recurring: 0 Standalone: 0		Nightly: Recurring: Standalone:	0 0 0	Nightly: Recurring: Standalone	1 12 2	Nightly: Recurring: Standalone:	1 0 0	Nightly: Recurring: Standalon		Nightly: Recurring: Standalone:	0 0 0	
ightly (1)		088) Standalone (1)											I		
	ghtly Schee														
		/ 🕂 🕈 🖉 🖉 De													
iter 🔻			Filter	Filter											
nabled	Flow Name		Time	Time Zone											
Yes	Nightly		09:00 F 🕑	GMT											

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.



 Edit Task Nightly					×
Enabled					
Schedule Time	03:00 PM	G	(UTC-06:00) Chicago - Central Time		*
				Cancel	Ok

# **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.



Nghthy:         1         Nghthy:         1         Nghthy:         1         Nghthy:         0         Nghthy:         Nghthy:	0	R	PASCE 21.1	RDE 19.1.003	0	TESTURLS 0.	0.0.0	SCHE	DULE1 0.0.0.0	0	RSP 19.1.002	0	RI 19.1.003	0	MERCH 19.2.666	0	TEST 0.0.0.0	
Actions     Vev     Ve	Recurring	p - 1	0 Rec	urring: 0	Recurring:	0	Re	curring:	0	Recurring:	12	Recurring:	0	Recurring	p: 2088	Recurring:	0	
Addraw Wey & O S S & Detach         Filter *       Filter *<					urly_Cycle_1													
Riter         Riter         Riter         Riter           Braid         Row Name         Streke S			/- / -		ch													
Name         Time         Time <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>Filter</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>							Filter											
Yes         STORE_CONCERS.PURGE_CYCLE         TE200 PM_OD         OMT           No         STOCK_CONT_PURGE_CYCLE         OD         OWT           Yes         STOCK_CONT_PURGE_CYCLE         OD         OMT           No         WF_RETURNS_FURGE_CYCLE         OD         OMT           No         WF_RETURNS_FURGE_CYCLE         OD         OMT           No         WF_RETURNS_FURGE_CYCLE         OD         OMT           No         WF_RETURNS_CLOSE_CYCLE         11         Integration           No         WF_RETURNS_CLOSE_CYCLE         01         OD         PMM           No         WF_RETURNS_CLOSE_CYCLE         01         OD         PMM           No         WF_RETURNS_CLOSE_CYCLE         02         OD         OD           No         RRAWSFER_CLOSE_CYCLE         02         OD         OD         OD           No         RRAWSFER_CLOSE_CYCLE         02         OD	Enabled		Flow Name			le	Time Zone											
No     STOCK_LEDGER,FURGE_CYCLE     OTOO PML_OI       We     STOCK_COUNT, PURGE_CYCLE     OTOO PML_OI       No     WF_SETURDS, FURGE_CYCLE     OK       No     WF_SETURDS, CLOSE_CYCLE     OL       No     WF_SETURDS, CLOSE_CYCLE     OL       No     WF_SETURDS, CLOSE_CYCLE     OL       No     TRANSFER_CLOSE_CYCLE     OL       No     TRANSFER_CLOSE_CYCLE     OL       No     RemER_CLOSE_CYCLE     OL		No	TAX_EVENT_PURG	E_CYCLE		0	GMT											
Visit         STOCK_COUNT_PURGE_CYCLE         DISOP FM/ (0)         OMT           No         Wis_RETURNS_CODS_CYCLE         Cancel         OK           No         Wis_RETURNS_CLOSE_CYCLE         I1         AMM           No         Wis_RETER_URGE_CYCLE         I1         AMM           No         Wis_RETER_URGE_CYCLE         II         OO         PMM           No         TRANSFER_URGE_CYCLE         II         OO         PMM           No         TRANSFER_URGE_CYCLE         III         IIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		Yes	STORE_ORDERS_P	URGE_CYCLE	12:00	PM 🕑	GMT											
No     WF_RETURNS_CUCSUC_VILE     Cancel     OK       No     WF_RETURNS_CUCSUC_VILE     11     Cancel       No     WF_CODERS_LORG_CUCLE     11     Cancel       No     WF_CODERS_LORG_CUCLE     11     Cancel       No     WF_CODERS_LORG_CUCLE     12     AM       No     WF_COST_IEMPUNTE_PURG_CUCLE     01     00       No     TANASER_PURG_CUCLE     02       No     TANASER_PURG_CUNCIC     02       No     MFM_MEGL_CUNCICE     03	$\bigcirc$	No	STOCK_LEDGER_P	URGE_CYCLE		0	GMT											
No     WF_RETURNS_CLOSE_CYCLE     Under       No     WF_ORDERS_TURNS_CYCLE     11       No     WF_ORDERS_CLOSE_CYCLE     12       No     WF_ORDERS_CLOSE_CYCLE     01       No     TANAFER_CLOSE_CYCLE     01       No     TANAFER_CLOSE_CYCLE     02       No     TANAFER_CLOSE_CYCLE     02       No     RM_NEW_TEM_CLOSTION_CYCLE     03		Yes	STOCK_COUNT_P	URGE_CYCLE	01:00	PM 🕑	GMT		_									
No     WF_ORDERS_PURGE_CYCLE     11       No     WF_ORDERS_CLOST_CYCLE     12       Yes     WF_COST_TRANSFER_PURGE_CYCLE     01       No     TRANSFER_CLOST_CYCLE     01       No     TRANSFER_CLOST_CYCLE     02       No     RM_RREC_CONTRCCILE     02       No     RM_RREC_CLOATION_CYCLE     03		No	WF_RETURNS_PUI	RGE_CYCLE	Car	ncel		0	к									
No     WE_ORDERS_LLOSE_CVILE     12     AM       Ver     WF_COST_TEMPLATE_PURGE_CVILE     01     00     PM       No     TEANAFEE_PURGE_CVILE     02     00       No     TEANAFEE_PURGE_CVILE     02       No     RM_NEW_TEM_LOCATION_LCVILE     03		No	WF_RETURNS_CLO	DSE_CYCLE	1													
Ves     WF_COST_TEMPARTE_PURGLECILE     01     00     PM       No     TRANSFER_PURGL_CVILE     02       No     RMARSFELCUNGE_OULDICON_CVILE     02       No     RPM_NEW_TEM_LOCATION_CVILE     03		No	WF_ORDERS_PUR	GE_CYCLE														
No     TRANSFER_PURRE_CVCLE     01     00     PM       No     TRANSFER_CLOSE_CVCLE     02       No     RPM_PRICE_CHANGE_INDUCTION_CVCLE     03		No	WF_ORDERS_CLO	SE_CYCLE	1 .	12		AM										
O         TRANSFER_CLOSE_CYCLE         O2           O         No         RPM_UPRICE_QUANGLINDUCTION_CYCLE         03           O         No         RPM_URM_UTEM_LOCATION_CYCLE         03	O	Yes	WF_COST_TEMPL	ATE_PURGE_CYCLE	- (	11	00											
No         RPM_PRICE_GHANGE_INDUCTION_CYCLE         02           No         RPM_NEW_ITEM_LOCATION_CYCLE         03					(	1	00	r IVI										
O No RMANNTIMALOCATION,CYCLE 03						02												
O No RPM_NEW_ITEM_LOCATION_CYCLE						03												
○ No RPM PROMO INDUCTION CYCLE																		

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.

Edit Task RPM_PRIC	E_CHANGE_INDUCTION_CYCLE	×
Enabled		
Schedule Time	G	Ψ
		Cancel Ok



# 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.

	thoc Scheduler Tasks							
Actions +	View • 🖻 🖌 🗙 🗢 🝸	ef Detach	Filter	Filter	Filter 🔻	Filter	Filter	
Enabled	Process Name	Description	Frequency	Limit	Prevent start during nightly	Schedule	Time Zone	
🚺 Yes	REPL_INDCTN_PURGE_PROCESS_ADHOC	Purge Replenish Records	Every 15 minutes	1	~	00:00	(UTC+05:30) Calcutta - India Standard Time	
Yes	LIKESTOREBATCH_PROCESS_ADHOC	Run Like Store batch	Every 15 minutes		~	11:00	(UTC+05:30) Calcutta - India Standard Time	
🚺 Yes	BDI_Vat_Fnd_PF_From_RMS_PROCESS_INIT	Vat BDI	Daily		~	16:00	(UTC+05:30) Calcutta - India Standard Time	
🚺 Yes	REPL_INDCTN_PURGE_PROCESS_ADHOC	Purge Replenish Records 2	Every 15 minutes		~		GMT	
Ves					*			

Figure 2-41 Standalone Scheduler Tasks Administration

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

The user can also create and delete Standalone tasks.

Note: The user has the option to enter a blank time as long as a frequency in minutes is entered. This will cause the first occurrence to execute immediately.								
Edit Task REPL_INDCTN_P	URGE_PROC	ESS_ADHOC	×					
Enabled	C							
Description	Purge Replenish	Records						
Frequency	Minutes 🔹	15 🗸 🔨						
Limit occurrences	1 ~ ^							
Schedule Time	12:00 AM	(UTC+05:30) Calcutta - India Standard Time						
Prevent start during nightly								
		Cancel	Ok					



#### Note:

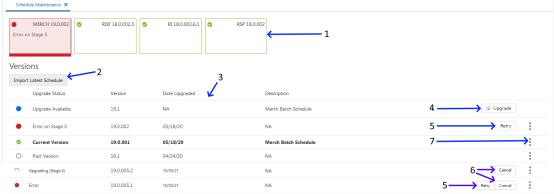
The **Prevent start during nightly** switch prevents the task from running while the Nightly batch is running. However, it won't stop a run that is in progress when the Nightly process starts.

# Schedule Maintenance

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

Schedule Maintenance 🗙

Figure 2-42 Schedule Maintenance Tab



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

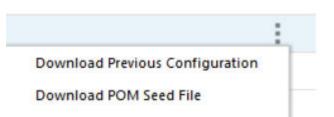
The import file is a spreadsheet.

- Update History Status List Displays information about each past or available upgrade of the batch schedule. This menu displays the following information for each batch upgrade:
  - Upgrade Status
  - Version
  - Date Upgraded
  - Description
- 4. **Upgrade** Use this button to upgrade the schedule. This button only appears for schedules for which an upgrade available.
- 5. **Retry** Use this button to retry a failed update. This button only appears for schedules that have not completed successfully. The retry will resume the upgrade from the failed step.
- 6. **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.

7. 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.

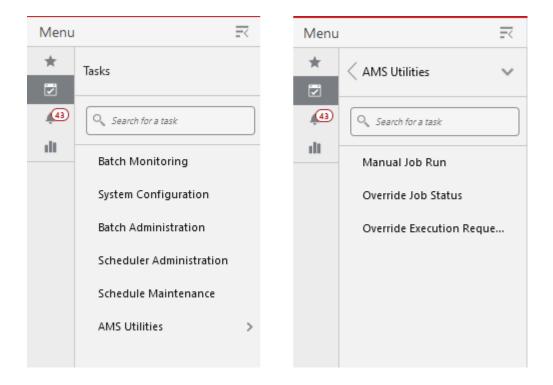
Last refreshed shows the time and date of the last refresh of the interface.

# **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 2-43	Manual Job Run
-------------	----------------

Running a Job manually would simply run the job wi	hout regard to its dependencies. These Jobs will not be re-run when the Cycle is running
Schedule	
Cycle	*
dof	•
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 2-44 Override Job Status

ind Job								
	RPASCE		v					
Cycle Nightly Recurring Standalone								
RPASCE Jobs -	Standalone							
Actions 🔻 View 🔻 📀 🍸 💕 Detach Change Status								
Filter 🔻	Filter	Filter	Filter	Filter	Filter			
Status	dof	Process Name	Start Time	End Time	Last Update			

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.



Change Status of Job MFP_ADHOC_JOB								
	extreme caution when overriding duding data corruption.	a job	status as it may lead to unexpected					
Business Date	04/10/21							
New Status								
Comments	Loaded	^	least fifteen non-repeating characters					
	Completed							
	Held							
	Skipped	~	Cancel OK					

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.



the share has been						
ind Job						
	Schedule RPASCE		Ψ			
	Cycle Nightly Red	urring Standalone				
	-,	5				
PASCE E	xecution Request	s - Standalone				
Actions 🔻	View 🔻 😔 🝸	⊯ <sup>#</sup> Detach				
ilter	Filter	Filter	Filter	Filter		
xecution D	Status	Cycle	Flow	Total Jobs		
81	<ul> <li>Loaded</li> </ul>	Adhoc	Adhoc	1		
xecutio	n ID 181 Details	_				
Actions 🔻	View 🔻 😔 🍸	B <sup>#</sup> Detach Change Status				
Filter	Filter	Filter	Filter		Filter	Filter
Job Run ID	Status	Job Name	Process		Job Execution ID	Last Update

Figure 2-45 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.

2	is of Job VARIABLE		
Warning Excercise ex	treme caution when overri	ing an execution request sta	atus as it may lead to
unexpected	l results including data corr	ption.	
Business Date	05/06/21		
New Status		<b>*</b>	
Comments	Loaded	fifteen non	-repeating characters for aud
	Completed		
	Held		
			Cancel O
	Skipped		

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.



# 3 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.

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 Roles



Role	Alias	Description
BATCH_ADMINISTRATOR_JOB	Administrator	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. Additionally, users assigned this role are given access to the Oracle AMS Utilities screen.
BATCH_VIEWER_JOB	Viewer	Users within this role are retailer business users responsible for just monitoring batch. They have view access to all POM screens except AMS Utilities.
BATCH_SCHEDULE_CONFIGURATIO N_MANAGER_JOB	Schedule Config Mgr	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.
BATCH_SCHEDULE_ADMINISTRATO R_JOB	Schedule Admin	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
BATCH_ORACLE_AMS_ADMINISTRA TOR_JOB	AMS Admin	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.

#### Table 3-1 (Cont.) Roles



# 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 AMS Admin
Releasing dependency on an external process	

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 3-3 POM Task Menu



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 3-4 Screen: Batch Monitoring

#### 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



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 3-5 (Cont.) Screen: System Configuration

Table 3-6 Screen: Batch Adm	ninistration
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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



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

#### Table 3-6 (Cont.) Screen: Batch Administration

#### Table 3-7 Screen: Scheduler Administration

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

#### Table 3-8 Screen: Schedule Maintenance

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

#### Table 3-9Screen: 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

