

Oracle® Retail Process Orchestration and Monitoring

Release Readiness Guide



Release 23.2.301.0

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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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Preface

This guide outlines the information you need to know about Oracle Retail Process Orchestration and Monitoring new or improved functionality in this update, and describes any tasks you might need to perform for the update. Each section includes a brief description of the feature, the steps you need to take to enable or begin using the feature, any tips or considerations that you should keep in mind, and the resources available to help you.

Audience

This document is intended for the users and administrators of the Oracle Retail Process Orchestration and Monitoring.

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- Exact error message received
- Screen shots of each step you take

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Oracle Retail Product documentation is available on the following website <https://docs.oracle.com/en/industries/retail/html>

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Oracle Retail Cloud Services and Business Agility

Oracle Retail Process Orchestration and Monitoring 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

Feature Summary

This chapter describes the feature enhancements in this release.

Noteworthy Enhancements

This guide outlines the information you need to know about new or improved functionality in the Oracle Retail Process Orchestration and Monitoring Cloud Service update and describes any tasks you might need to perform for the update. Each section includes a brief description of the feature, the steps you need to take to enable or begin using the feature, any tips or considerations that you should keep in mind, and the resources available to help you.

Column Definitions

- **Feature:** Provides a description of the feature being delivered.
- **Module Impacted:** Identifies the module associated with the feature, if any.
- **Scale:** Identifies the size of the feature. Options are:
 - **Small:** These UI or process-based features are typically comprised of minor field, validation, or program changes. Therefore, the potential impact to users is minimal.
 - **Large:** These UI or process-based features have more complex designs. Therefore, the potential impact to users is higher.
- **Delivered:** Is the new feature available for use immediately after upgrade or must the feature be enabled or configured? If no, the feature is non-disruptive to end users and action is required (detailed steps below) to make the feature ready to use.
- **Customer Action Required:** You must take action before these features can be used. These features are delivered disabled and you choose if and when to enable them.

Feature	Module Impacted	Scale	Delivered	Customer Action Required?
Align Business Dates	AMS Utilities	Medium	Yes	No
Schedule Removal Capability	System Configuration	Medium	Yes	No
Enhanced Scheduling Capability	Scheduler	Small	Yes	No
Redesign of Batch Monitoring – Standalone Screen	Batch Monitoring	Medium	Yes	No
Warning When Manually Overriding Nightly Run	Batch Monitoring	Small	Yes	No
Batch Monitoring – Standalone: Skip a Job	Batch Monitoring	Small	Yes	No

Feature	Module Impacted	Scale	Delivered	Customer Action Required?
Batch Monitoring – Reopen Schedule	Batch Monitoring	Medium	Yes	No
Health Check – S3 Path for Auth Mode	Batch Monitoring	Small	Yes	No
Schedule Spreadsheet Dependencies Simplification	Batch Schedule Spreadsheet	Medium	Yes	No
Additional Public APIs	Integration	Small	Yes	No

Align Business Dates

Users can now align business dates through the Align Business Date screen accessible from the left-hand **Tasks** menu > **AMS Utilities** > **Align Business Date**.

The screenshot shows the Oracle Retail Process Orchestration and Monitoring interface. The main content area is titled "Schedules Configuration" and displays a table with the following data:

Schedule Name	Current Business Date	Dependent Schedules	Scheduler Day Status
RI	2023-05-15	RSP	Active
Test-Merch	2023-05-27	NO_DEPENDENCIES	Completed
RSP	2023-05-14	RI	Active
TEST	2023-05-23	NO_DEPENDENCIES	Active
RPASCE	2023-05-30	NO_DEPENDENCIES	Active

A user can select a Schedule Name and click the **Align Business Date** button to open the **Align Business Date** window for a schedule.

Align Business Dates for RI

Note
Aligning the business dates will impact the currently running batches and also scheduler day would be restarted after the business dates alignment. If Update Dependent Schedules toggle is enabled, business dates would be aligned for the selected schedule (RI) and dependent schedule(s) (RSP).

* Business Date Required

Advance Date Only Disabled

Update Dependent Schedules Disabled

* Comments Required

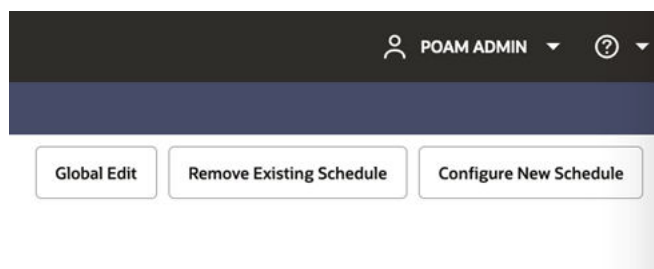
Cancel OK

Here, the user can select a Business Date, add **Comments**, and click the **OK** button to align that business date for the selected schedule.

Optionally, the user can toggle the **Advance Date Only** switch to enforce only business date advancement for the selected schedule and for the dependent schedules, if applicable. The user can also toggle the **Update Dependent Schedules** switch to enforce business date alignment for all inter-schedule dependent schedules and for schedules linked through execution links.

Schedule Removal Capability

Occasionally, a retailer may create a test batch schedule that they later wish to remove. Previously, this was only possible by manually deleting the schedule from the database. The System Configuration screen now provides the ability to remove such a schedule through the POM UI.



Click the **Remove Existing Schedule** button to open the Remove Schedule window. Click **OK** in this window to remove the schedule.

Remove Schedule

Warning
This action completely removes the selected schedule data from the System and cannot be undone

Select Schedule: RPAS

* Comment: RPAS Schedule - Remove

Cancel Ok

Enhanced Scheduling Capability

The POM Scheduler supports a new frequency – Monthly (by Weekday).

For example: Third Thursday of the Month, Second Tuesday of the month, and so on.

Edit Task RDE_EXTRACT_CE_DIM_INITIAL_ADHOC

Enabled

Description: RDE_EXTRACT_CE_DIM_INITIAL_ADHOC

Schedule Time Zone: (UTC+05:30) Calcutta - India Standard Time

Frequency: Monthly (by Weekday)

Schedule Details

Prevent start during nightly

Run Every: Third Thursday at 12:27 PM

Recurrences: 1 Time

Cancel Ok

Redesign of Batch Monitoring – Standalone Screen

The Batch Monitoring Standalone cycle screen has been redesigned so that jobs are displayed to the right side of the parent Process/Flow rather than in parent (on top)-child (at bottom) tables. The jobs table is refreshed based on the Process/Flow selection. This new design improves both flows and performance.

The screenshot shows the 'AIF DATA Standalone Schedule Details' page. At the top, there are tabs for 'Nightly', 'Recurring', and 'Standalone'. A 'Safe Mode' button is visible. Below the tabs is a pie chart showing the status of jobs: Started (2), Completed (1), and Loaded (3). To the right, there are several status indicators: External Dependencies (0/0), Inter-Schedule Dependencies (0/0), Callbacks (0/0), Schedule Links (0/0), Execution Requests (0/0), Agent Job Requests (0/0), and Scheduler Tasks (0/0).

The main area is divided into two sections: 'AIF DATA Standalone Entities' and 'Flow1_CFLOW Batch Jobs'. The 'AIF DATA Standalone Entities' section lists various jobs with their status (Started, Loaded) and a 'Press' button. The 'Flow1_CFLOW Batch Jobs' section is a table with columns for Job, Process Name, Status, Start Time, End Time, Log, and Last Update. The table shows several jobs that have failed with 'Skipped on Error' status and one job that is currently 'Running'.

Job	Process Name	Status	Start Time	End Time	Log	Last Update
W_TIME_OF_DAY_O_JOB	Process2_CPROCESS	Running	06/22/23 15:05:42 GMT+5:30			06/22/23 15:01
SL_W_MCAL_PERIOD_DS_JOB	Process2_CPROCESS	Skipped on Error				06/22/23 12:53
ETL_REFRESH_JOB	Process2_CPROCESS	Skipped on Error				06/22/23 12:54
CLEANUP_DEL_ITEM_GENERAL_JOB	Process3_CPROCESS	Skipped on Error				06/22/23 12:56
AGG_SRVC_JOB	Process1_CPROCESS	Skipped on Error				06/22/23 12:55
AGG_UTILITY_ORG_PRR_JOB	Process1_CPROCESS	Skipped on Error				06/22/23 12:55
AGG_UTILITY_PRR_JOB	Process1_CPROCESS	Skipped on Error				06/22/23 12:55
DIM_CALENDAR_VALIDATOR_JOB	Process2_CPROCESS	Skipped on Error				06/22/23 14:54
ETL_BUSINESS_DATE_JOB	Process2_CPROCESS	Loaded				06/22/23 12:53
DIM_CALENDAR_LOAD_VALIDATOR_JOB	Process2_CPROCESS	Loaded				06/22/23 12:53
CREATE_PARTITION_PRESETUP_JOB	Process2_CPROCESS	Loaded				06/22/23 12:53

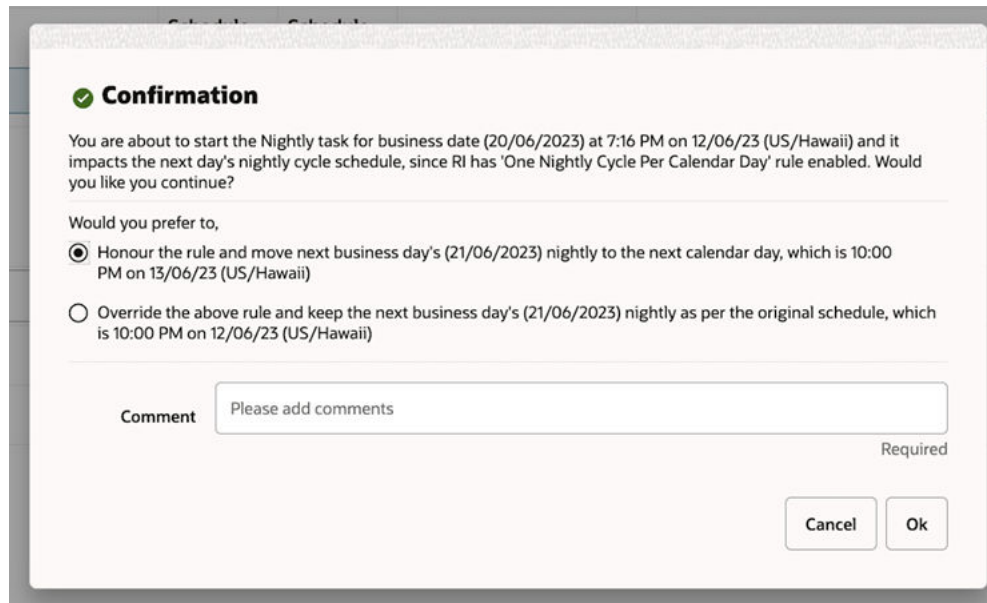
Warning When Manually Overriding Nightly Run

The Batch Monitoring UI now displays two confirmation prompts when manually overriding a Nightly run through the Scheduler Tasks screen.

The user can see the following confirmation window if the nightly run is manually overridden when the scheduled time in the given time zone is after the current date.

The dialog box is titled 'Confirmation' and contains the following text: 'You are about to start the Nightly task for business date (20/06/2023) at 7:18 PM on 12/06/23 (US/Hawaii) and it impacts the next day's nightly cycle schedule, since RI has 'One Nightly Cycle Per Calendar Day' rule enabled. Would you like you continue?'. Below the text is a 'Comment' field with the placeholder 'Please add comments' and a 'Required' label. At the bottom, there are 'Cancel' and 'Ok' buttons. A note at the bottom of the dialog states: 'Please note that scheduled start time (12/06/2023, 6:00 PM) of the next business day's (21/06/2023) nightly cycle also has passed, hence it would be scheduled to run on 13/06/23, 6:00 PM (US/Hawaii)'.

The following confirmation window opens if the nightly run is manually overridden when the scheduled time in the given time zone is before the current date.

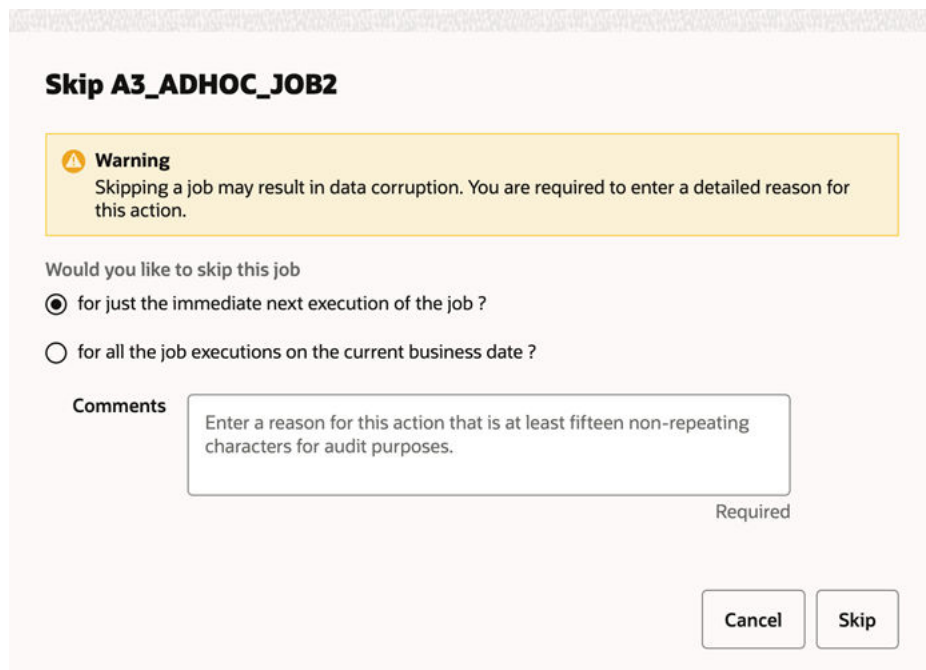


Batch Monitoring – Standalone: Skip a Job

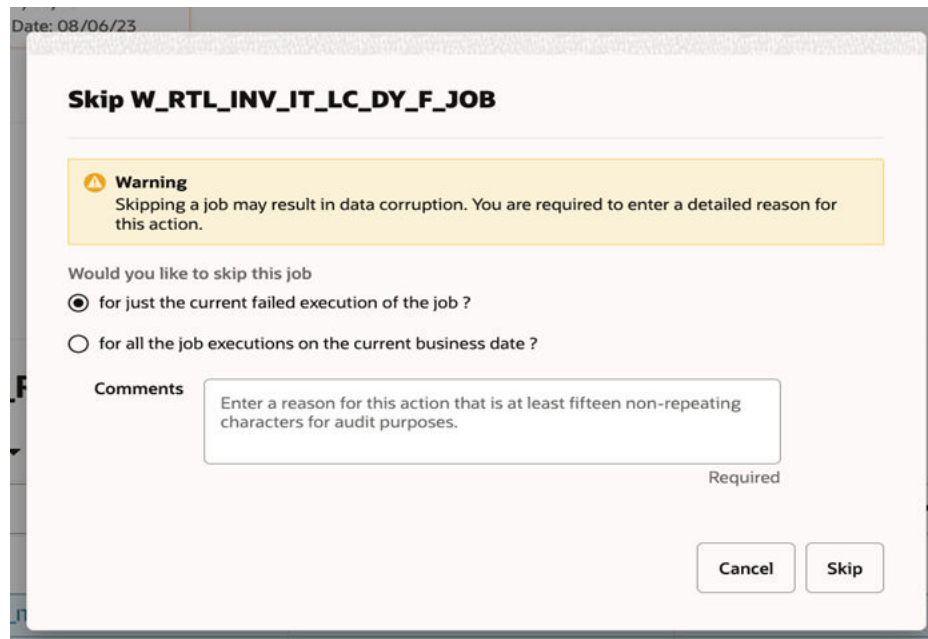
The Batch Monitoring UI for Standalone Jobs now has an option to skip a particular job for the immediate next run or for all subsequent runs. User can either select **Actions > Skip** or click the **Skip** button on the table toolbar to skip the batch job immediately.

Based on the status of the job, a warning message opens if the job is to be skipped for the current failed execution, the immediate next execution, or all job executions on the current business date.

The user is shown the following warning if the job to be skipped is in a Loaded or Completed status.

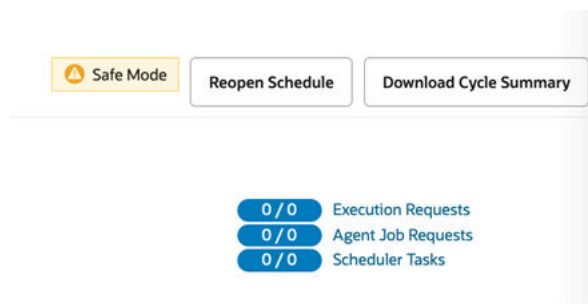


The user is shown the following warning if the job to be skipped is in an Error status.

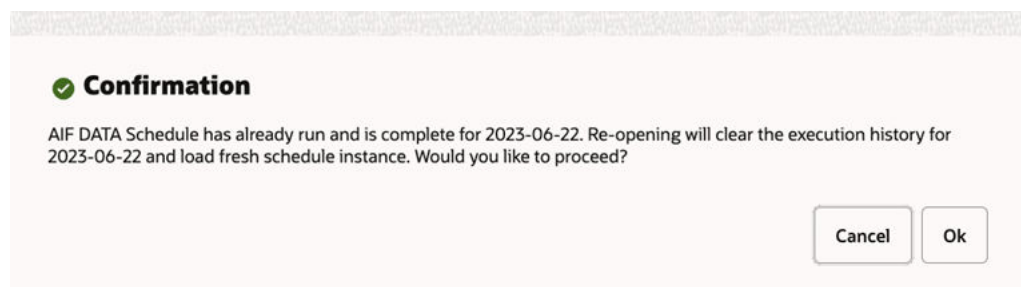


Batch Monitoring – Reopen Schedule

The Batch Monitoring UI now shows a **Reopen Schedule** button next to the **Download Cycle Summary** button for the latest Scheduler Day. This new button is shown only when the schedule is in a Closed state. This is needed for users who have closed the scheduler day by mistake and need to re-open it.

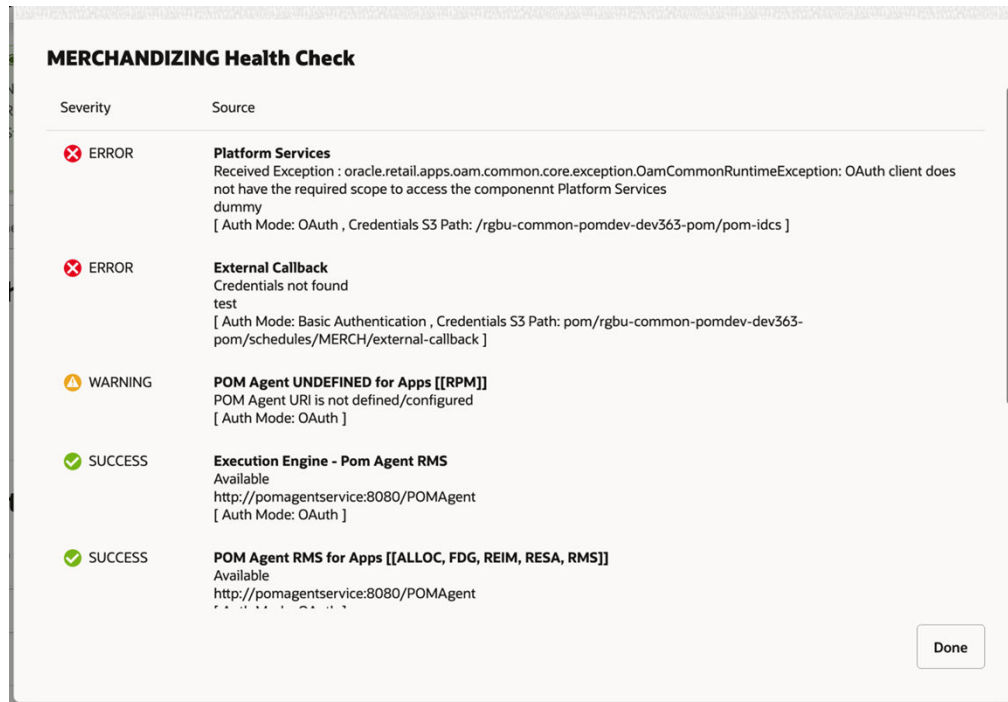


The following confirmation window opens when the **Reopen Schedule** button is clicked.



Health Check – S3 Path for Auth Mode

The Health Check UI now shows the S3 path for Auth Mode for the applicable communication process. It also shows a warning if the POM Agent is not configured for any application.



Severity	Source
✘ ERROR	Platform Services Received Exception : oracle.retail.apps.oam.common.core.exception.OamCommonRuntimeException: OAuth client does not have the required scope to access the component Platform Services dummy [Auth Mode: OAuth , Credentials S3 Path: /rgbu-common-pomdev-dev363-pom/pom-idcs]
✘ ERROR	External Callback Credentials not found test [Auth Mode: Basic Authentication , Credentials S3 Path: pom/rgbu-common-pomdev-dev363-pom/schedules/MERCH/external-callback]
⚠ WARNING	POM Agent UNDEFINED for Apps [[RPM]] POM Agent URI is not defined/configured [Auth Mode: OAuth]
✔ SUCCESS	Execution Engine - Pom Agent RMS Available http://pomagentservice:8080/POMAgent [Auth Mode: OAuth]
✔ SUCCESS	POM Agent RMS for Apps [[ALLOC, FDG, REIM, RESA, RMS]] Available http://pomagentservice:8080/POMAgent

Done

Schedule Spreadsheet Dependencies Simplification

The **Dependency** tab of the spreadsheet now only requires entering Process dependencies, not Job dependencies. A Job Sequence column has been added to the **ProcessJobMapping** tab to define the numerical, sequential order of jobs within a Process.

To maintain backward compatibility, the transition to take advantage of this simplification is optional. The current method for defining Process and job dependencies will still work in this and future versions of POM.

Additional Public APIs

The following APIs are now publicly available:

- <https://<pom-server-host>/ProcessServices/services/public/schedules/> - API to fetch all schedules in POM.
- <https://<pom-server-host>/ProcessServices/services/public/schedules/{scheduleName}/executionRequests?cycleName=X> - API to fetch the execution requests for a given cycle.

- <https://<pom-server-host>/ProcessServices/services/public/schedules/{scheduleName}/cycles> - API to fetch all cycle details for a given schedule.

2

System Requirements

This chapter covers the Client System requirements for Oracle Retail Process Orchestration and Monitoring Cloud Service.

Browser Requirements

 **Note:**

If running Windows, Oracle Retail assumes that the retailer has ensured its Operating System has been patched with all applicable Windows updates.

The following web browsers are supported:

- Mozilla Firefox
- Microsoft Edge
- Google Chrome (Desktop)
- Apple Safari

Microsoft has deprecated Internet Explorer 11 in Windows 10 and recommends using Edge as the default browser. Refer to the [Oracle Software Web Browser Support Policy](#) for additional information.

3

Noteworthy Resolved Issues

This following table highlights specific key fixes that are included in this release. In some cases, only a percentage of the overall fixed defects are listed.

Affected Component	Defect Number	Description
Notifications	35338936	Business date missing in long-running notification from last job of nightly cycle
Batch Execution	35421306	Job fails ORA-00054: resource busy on batch_job_request
Batch Execution	35447166	RPASCE POM agent error when executing RDF daily job
Scheduler	35238940 35311194	POM should ensure that schedule execution is on the next day (after the last execution) POM bug: allows running more than one scheduled nightly batch per calendar day The fix entails preventing more than one nightly from running on the same calendar day. This default behavior can be altered by setting the system option EnsureOneNightlyPerDay to FALSE.
User Interface	35450278	POM screen refresh issues: This issue was more specific to the Batch Monitoring Standalone screen. The screen has now been redesigned to alleviate the refresh issue.
Roles	35341074	A user with production roles stopped working after an upgrade. The workaround was to give the user pre-prod roles. The fix is to permanently restore the production roles.