

Oracle® Retail Process Orchestration and Monitoring

Release Readiness Guide



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

Comments and Suggestions

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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.



Note:

The non-sequential version number of this Oracle Retail application is intentional.

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.

Table 1-1 Noteworthy Enhancements

Feature	Module Impacted	Scale	Delivered	Customer Action Required?
Hybrid CFS and GBUCS Deployments	Job Agent	Large	Disabled	Yes
Execution Engine Popup Screen Changes	User Interface	Small	Enabled	No

Hybrid CFS and GBUCS Deployments

As the RGPU prepares for customers to migrate from GBUCS to CFS, there is a need for a transitional period where POM and one or more POM-using applications have migrated to CFS while other POM-using applications remain behind on GBUCS until they are also ready for migration. In POM version 21.0.003, POM supports this sort of hybrid deployment. In version 19.1.010, POM was modified to deploy the necessary POM Agent on GBUCS which will work with POM on CFS.

Once the hybrid setup is complete, customers who currently call POM APIs need to switch the endpoint authentication mode from Basic Auth to OAuth. Customers need to refer to the 'Invoking POM Services Using OAuth' chapter of the 'POM 21.0.003 Implementation Guide' for information regarding using the OAuth mode of authentication when calling POM APIs.

Once the hybrid setup is complete and an application is ready for migration to CFS, Oracle will configure POM to switch from GBUCS to CFS.

Execution Engine Popup Screen Changes

The Execution Engine popup screen is accessed from the Batch Monitoring screen's right status sidebar by clicking on the **Execution Engine Admin** link. In the current version of POM, an administrator has the ability to see the engine's status, change the engine's configuration and start or shut down the engine. In version 19.1.010, this popup is simplified to only show the engine's configuration. Accordingly, the link to the popup has been changed from **Execution Engine Admin** to **Execution Engine Config**.

The following changes have also been made to the popup:

- The configuration (Execution Service Polling Interval, Monitoring Service Polling Interval, and Thread Pool Size) has been modified from being updatable to being read-only. The default configuration setting has proven to be stable and requires no post-deployment changes. Oracle will always be able to change this configuration, if it is ever needed.
- The Status was removed, as the Execution Engine should always be ready to execute tasks.
- The Start and Shutdown buttons were removed, as the Engine's state is now strictly system-managed rather than administrator-managed.

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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.

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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	Summary
Execution Engine	N/A	The Execution Engine is the component of POM responsible for sending job execution requests for those jobs that are ready to run. The engine idles when it has no requests for execution and wakes up when requests became available. . In previous versions on POM, there were instances when a request would fail to wake the engine up. This is corrected in POM 19.1.010. Additionally, a safeguard is added to wake the engine up occasionally to check for requests.
Batch Scheduler	33275642	BATCH SCHEDULER TASK FAILURE. Adhoc scheduler tasks that were systematically cancelled by POM when nightly started, were being marked as ERROR. Failure notifications were being sent when these were not really failures.
Batch Scheduler	32820419	POM CYCLE JOBS WITH CRITICAL ERROR NOTIFICATION ON THE MONITORING SCREEN. Error notifications were being sent intermittently when multiple nodes in a clustered environment conflicted over handling the same scheduler task.