



Oracle Retail Process Orchestration and Monitoring



Next Gen Cloud Update Guide

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Introduction

Document Summary

This document provides general enablement details for Oracle Retail customers moving the Process Orchestration and Monitoring service (POM) to Oracle's Next Generation SaaS architecture. These checklists and resources capture major customer activities and milestones. Retailers should use these checklists early in the update planning phase. The checklists allow retailers to ask key questions when working with technical staff and partners. In addition, the checklists provide considerations for implementation planning. Once completed, the checklists can be used to set expectations among all parties and saved for future reference.

Overview of Next Generation SaaS Architecture

The Process Orchestration and Monitoring service (POM) is moving to Oracle's Next Generation SaaS Architecture. This is a cloud-native, container-based architecture that is more secure, highly scalable, and allows for better up-time and availability. This is accomplished by leveraging a Kubernetes cluster management backend that is connected to an Oracle database service. This new architecture yields the following benefits:

- Significantly reduced downtime.
- Full adoption of OAuth 2.0 for all REST services.
- Significant improvements in middle-tier and application-tier scalability.
- Higher overall throughput.
- Adoption of additional industry-standard tools.
- Technology modernization adopted in the Next Gen version.

Assumptions

Note the following assumptions regarding the update:

- Other Applications such as Merchandising or RAP would remain on the current platform.
- POM will be setup on the Next Generation environment well ahead of the date of switch-over from current environment to the new one.
- The down time will be as long as the customer needs to switch URLs. See Update Service Endpoint URLs in the Customer Actions below.
- Non-production environments are updated first to enable retailers to perform their development activities and prepare before the Production environment update.
- Switch-over activity will be performed after the Nightly batch cycle is complete. Batch schedule will be suspended during the switch-over activity.
- POM version must be 19.1.011.2 or later to upgrade to Next Generation SaaS Architecture.

Customer Actions for POM

Due to the technical changes in Oracle's Next Generation SaaS architecture, the actions below are performed by the customer.



Update Service Endpoint URLs

<input type="checkbox"/>	STEP 1	<p>In case the customer integrates with POM by calling POM service endpoints, change those endpoint URLs in the customer systems to point to the new URLs.</p> <p>For example: Execution Request Creation and Execution Request Tracking should now point to the new URL.</p>	<p>Resources:</p> <ul style="list-style-type: none">Refer to the "Invoking POM Services" chapter of the <i>POM Implementation Guide</i>: https://docs.oracle.com/en/industries/retail/retail-process-orchestration-monitoring/latest/rpoim/c_invoking_pom_services_using_oauth.htm
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Authentication Changes

<input type="checkbox"/>	STEP 1	<p>In case the customer calls POM endpoints using Basic Authentication, update the Authentication mechanism to use industry-standard OAuth2.0 authorization, rather than basic authentication. This is applicable for all REST services. Basic authentication is no longer supported.</p>	<p>Resources:</p> <ul style="list-style-type: none">Refer to the "Invoking POM Services" chapter of the <i>POM Implementation Guide</i>: https://docs.oracle.com/en/industries/retail/retail-process-orchestration-monitoring/latest/rpoim/c_invoking_pom_services_using_oauth.htmOAuth 2.0 for Merchandising ReST Services (video): https://videohub.oracle.com/media/OAUTH+for+Merchandise+Operations/1_3cyg81xi
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Customer Responsibilities

<input type="checkbox"/>	STEP 1	Customers should add their outbound proxy, firewalls in all the domains, and IPs to the Oracle Retail Data Center to their allowlists. Domain names to be allowlisted will be as part of the initial environment provision email notification. This is applicable for POM callbacks.
<input type="checkbox"/>	STEP 2	Development work to uptake new URL changes and authentication mechanisms.
<input type="checkbox"/>	STEP 3	Perform regression testing.
<input type="checkbox"/>	STEP 4	Switch your system to integrate with the new URLs at the time of switch-over.

References

Refer to the documentation at the following URL: <https://docs.oracle.com/en/industries/retail/index.html>

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