

Oracle® Retail Open Commerce Platform Cloud Service

Patch Release Notes

Patch Release 15.0.2.1

March 2018

This document highlights the major changes for Patch Release 15.0.2.1 of Oracle Retail Open Commerce Platform Cloud Service.

Overview

Oracle Retail Open Commerce Platform Cloud Service (OCP) is a mid-tier e-commerce solution that supports retailers' "order anywhere, fulfill anywhere" strategy. OCP provides retailers with a single view of the customer and enables retailers to provide a consistent experience across all channels and all touch points.

Oracle Retail Cloud Services and Business Agility

The Oracle Retail Open Commerce Platform 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.

Supported Web Browser and OS Requirements

Operating System – Desktop Storefront	Browser
Windows 7	Chrome 44+
Windows 7	Firefox 38+
Windows 7	IE 10,11
Mac	Firefox 28+
Mac	Safari 7
Operating System – Desktop Site Manager	Browser
Windows 7	IE 11
Windows 7	Firefox 29+
Operating System – Tablet/OS	Browser
iPad 3+ / ios9+	Safari
Kindle Fire / Android 4.4 KitKat	Silk
Samsung Galaxy / Android4.4 KitKat	Android

Operating System – Phone	Browser
iPhone / ios9+	Safari
Samsung Galaxy S5 / Android	Android
Samsung Galaxy S5 / Android	Chrome

Supported 3rd Party Products

Product	Version
SOLR	4.10
CyberSource	1.51
QAS	V6 SaaS model
PayPal	NVP API 74.0
AddThis	250
Google Analytics	N/A
Omniure	15
Bazaarvoice	4.9
Scene7	7.4.3
Gigya	2.15.5

Technical Enhancements

The technical enhancements below are included in Release 15.0.2.1.

Promotion Loading on Server Startup

In previous releases when an item was added to the cart, the **addToCart** pipeline used to load all the promotions from the database, if the cache was not populated. This was a time consuming process, when there was a significantly large number of promotions. To overcome this issue, all the promotions are pre-loaded into cache on server startup and when the pipeline is executed, promotions are picked from the cache.

Reloading Promotions Periodically

In the cache-context.xml, PromoCacheReloadable bean holds the interval value in milliseconds for cache to reload its contents from the database. It is set to 24 hours by default. At each such reload, a fake shopping cart is created and an item is added to the cart to cache values. A new site parameter *'fakecart.product.variant.id'* holds the value of the product variant id to be added to the fake cart.

Solr Performance Improvement Changes

- Setting autocommit property to false in solrconfig.xml, so that subsequent replication does not occur at regular intervals and happens after all documents are built
- Uncommenting mapdb.cache.size – in core.properties
- Provided updated DIHEventListener class (that is part of ocpx-solr jar file) which cleans the solr cache directory.
- Healthcheck JSP changes to monitor Solr replication version on master and slave
- Enhancing logger setup in logback.xml of ocpx-solr for Solr replication components
- Extending the maxBuildTimeForCore in search-context.xml to 30 minutes (that is 1800000) from 15 minutes (that is 900000), so if there is a long running index it does not timeout immediately
- Two new site parameters were added:
 - *'solr.master.detail.command'*
This parameter contains a command to obtain the Solr master details with respect to each core separated by comma.
 - *'solr.slave.detail.command'*
This parameter contains a command to obtain the Solr slave details with respect to each core separated by comma.

Fixed Issues

The following table lists the issues fixed in this release.

Defect Number	Description
27704789	Improved the performance for adding products to a cart.
27704817	Tuning of Solr configurations for a better performance on catalog data indexing, so that products are displayed correctly on the website.

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