Oracle® Retail Price Management

Release Notes

Release14.0

December 2013

This document highlights the major changes for Release 14.0 of Oracle Retail Price Management (RPM).

RPM is a pricing and promotions execution system. RPM functionality includes the definition, maintenance, and review of price changes, clearances, and promotions. RPM capabilities range from simple item price changes at a single location to complex multi-buy promotions across zones

Hardware and Software Requirements

See the *Oracle Retail Price Management Installation Guide*, Release 14.0 for information about the following:

- Hardware and software requirements
- Oracle Retail application software compatibility

Functional Enhancements

The following are functional enhancements for Oracle Retail Price Management Release14.0.

RPM Price Event Item List Upload Process

This enhancement supports the process of creating price events at higher merchandise levels. RPM provides users with the ability to create 'ad hoc' price event item lists for one time use as they are keying a price event. This process is performed by uploading a file during the item selection process. Price event item lists can be created with parent items and/or transaction items. The ability to upload an item list directly into RPM to be used for price event creation and maintenance provides retailers a different option than managing item lists in RMS. Price event item lists loaded into RPM are not shared with RMS.

Multi-Buy Promotions – Promotion Limits

Oracle Retail Point-of-Service (ORPOS) supports the ability to limit the number of times a promotion is applied to a customer's purchase (for example, $5 off a newly released DVD with a limit of one discount per customer). To better integrate with ORPOS, RPM has been enhanced to support this functionality and include the discount limit in the flat file and in the XML pricing file download

To support promotion limits, new fields have been added to the existing create/maintenance screens for multi-buy promotion components. One new field is

called “Discount Limit #” and designates the number of times a promotion reward is applied to a customer’s purchase. For example, let’s say a customer buys two pairs of Jeans and gets one belt free with the discount limit number set to ‘1’ for the promotion. Customers are only allowed one free belt no matter how many pairs of jeans are purchased.

Multi-Buy Promotions – Price Range Functionality

ORPOS supports the ability to create a promotion that impacts all items in a hierarchy that fall between specified price ranges. To accommodate that functionality in RPM, new price range attributes have been added to the multi-buy promotion component workflow. This enhancement allows users to enter a minimum limit and/or a maximum limit price range when a single buy list or single reward list is added or updated. Price range data is sent in the flat file and in the XML pricing file download. If min/max values are entered for the buy list and/or the reward list, customers need to select items that have a retail that falls between the designated price ranges to receive the promotion reward.

For example: buy 1 pair of jeans with price range set at $45.00 to $100.00, get a t-shirt free, where the price range is set at $0.00 to $25.00. In this example the pair of jeans purchased must have a retail value between $45 and $100. If the jeans purchased are less than $45, the reward or discount is not applied

Overlapping Simple Promotion System Option

If two or more simple promotions are created for an item/location that have overlapping start and end dates, processing is performed in both RPM and ORPOS to calculate the retail price that is effective on this date. ORPOS always uses a concept of ‘Best Deal’, which means that it will select the promotion in that time period that offers the best deal for the customer. Functionality has been added in RPM to support both the concept of ‘Best Deal’ as well as compounding, where all the promotions are added together to determine the price. Oracle Retail recommends that the corresponding System Option be set to ‘Best Deal’ when RPM is interfacing data to ORPOS, to ensure consistent retail values between the two systems.

Transaction Level Promotions

A very common promotion in both commerce and traditional brick and mortar stores is to offer a discount from a customer’s entire transaction; for example, 25% off a customer order or 15% off the entire store. Support for this functionality has been added to offer more flexibility to the retailers in how they set up the promotions and offer variety to customers in how they purchase product to receive the discount.

For more information, see the *Oracle Retail Price Management User Guide*.

Other Noteworthy Functional Enhancements

In addition to the above functional enhancements, the noteworthy enhancements from recent Oracle Retail Price Management releases were carried over to 14.0 Release:

- RPM Data Rollup
- Automatic Creation of Exclusions
- Cancel Item Locations from Active Promotion

For more information about these enhancements, see the associated documentation from the applicable RPM versions.

Technical Enhancements

The following are technical enhancements for Oracle Retail Price Management Release 14.0.

Software Operating Environment Upgrades

> **Note:** The following list announces the addition of Oracle Retail support for the technology described. See the Installation Guide requirements section for critical information, such as whether the enhancements *replace* previous versions or is supported *in addition* to already existing versions.

The following technology has been upgraded:

- Oracle Linux 6 for x86-64 (Actual hardware or Oracle virtual machine)
- Red Hat Enterprise Linux 6 for x86-64 (Actual hardware or Oracle virtual machine).
- Java 1.7.0+ 64 bit for the server side (JDK)
- Java JRE 1.7.0+ for the client browser

Integration Enhancements

The following are integration enhancements for Oracle Retail Price Management Release 14.0.

Clearance Price Events

The RPM extract for ORPOS was modified to clearly define clearance price event records, distinguishing them from regular price changes, thus allowing ORPOS to consume them as "clearance". All other base downstream applications have historically received and recognized clearance price events.

With the ability to differentiate between regular price changes and clearance price changes, RPM and ORPOS are able to apply promotion rules that allow customers to select how the promotion should be applied

Multi-Tier Threshold Promotions

A popular promotion among retailers is to create multi-tier threshold promotions; for example, Buy 1 Get 10% off, Buy 2 Get 20% off. This approach is particularly important for retailers who use an amount or quantity value to distinguish what reward or discount is provided to the customer. In previous releases, RPM supported the creation of threshold promotions with multiple tiers. However, Oracle Retail Point-of-Service (ORPOS) was only able to support single-tiered threshold promotions. Threshold promotions were sent as separate promotion details, one for each tier prior to this release. They are now sent as one promotion detail with all tiers included under a

single detail in the flat file and the ORPOS XML pricing file download. This change closes the gap between RPM and ORPOS for support of Threshold Promotions with multiple tiers.

Threshold Promotion Qualifier

RPM supports setting up thresholds for promotions where the threshold qualifier is either 'threshold' or 'item.' Note that 'item' level was not previously supported. With this release, fold types are supported. Changes were made to the flat file and the ORPOS XML pricing file download to include the qualifier type.

Multi-Buy Promotions – Multiple Buy/Reward Lists

RPM supports the ability to create multi-buy promotions that are set up with more than one buy list and/or more than one reward list. However, prior to this release, ORPOS did not have the ability to consume these types of promotion details. These types of multi-buy promotions were sent on the flat file, but excluded from the ORPOS XML pricing file download prior to this release. They are now included in the communication to ORPOS.

For example:

- Buy 1 or more items in item list A or item list B, and get a discount on item list C or item list D.
- Buy 1 or more items in item list A and item list B, and get a discount on item list C and item list D.

Promotion 'Apply To' Payload Data Filtering

RPM allows the user to specify whether the promotion is applied to a clearance item, a regular item or a regular and clearance item. Prior to this change, there was no filter to remove items from the promotion when the promotion was sent to ORPOS through flat file. RPM only send items that participate in the promotion.

For more information, see the *Oracle Retail Price Management User Guide*.

Documentation Enhancements

The following are documentation enhancements for Oracle Retail Price Management Release 14.0.

Merchandising Functional Library (ID 1585843.1)

The Merchandising Functional Library is a collection of White Papers that go into detail about various areas of the functional, business operations within the Merchandising Operations Management suite of applications.

Security Guide

This new guide addresses pre and post installation considerations and configuration for the infrastructure that supports RPM, as well as infrastructure troubleshooting points. Topics about RPM security include its security architecture, authentication techniques, administration, security features, encryption, and more.

Known Issue

Price events edited in Oracle Retail Store Inventory Management (SIM) via the Oracle Retail Service Layer (RSL) do not consistently flow back through the Oracle Retail Integration Bus (RIB) in the correct message order (should be DEL, CRE). This results in some events being removed from SIM altogether rather than being modified as expected.

Related Documentation

For more information, see the following documents in the Oracle Retail Price Management Release 14.0 documentation set:

- *Oracle Retail Price Management Data Model*
- *Oracle Retail Price Management Installation Guide*
- *Oracle Retail Price Management Operations Guide*
- *Oracle Retail Price Management User Guide/Online Help*
- *Oracle Retail Merchandising Batch Schedule*
- *Oracle Retail Merchandising Data Conversion Operations Guide*
- *Oracle Retail Merchandising Implementation Guide*
- *Oracle Retail Merchandising Security Guide*
- *Oracle Retail POS Suite/Merchandising Operations Management Implementation Guide*

Also see the following:

- Oracle Retail Integration Bus documentation set, including the *Oracle Retail Enterprise Integration Guide*
- Oracle Retail Service Layer documentation set

Supplemental Documentation at My Oracle Support

The following document is available on the My Oracle Support Web site. Access My Oracle Support at the following URL:

https://support.oracle.com

Enterprise Integration Guide (located in the Oracle Retail Integration Suite Library on the Oracle Technology Network)

The Enterprise Integration Guide is an HTML document that summarizes Oracle Retail integration. This version of the Integration Guide is concerned with the two integration styles that implement messaging patterns: Asynchronous JMS Pub/Sub Fire-and-Forget and Web Service Request Response. The Enterprise Integration Guide addresses the Oracle Retail Integration Bus (RIB), a fully distributed integration infrastructure that uses Message Oriented Middleware (MOM) to integrate applications, and the Oracle Retail Service Backbone (RSB), a productization of a set of Web Services, ESBs and Security tools that standardize the deployment and run time of Web Service flows within Oracle Retail Suite of applications.

Merchandising Functional Library (ID 1585843.1)

The Merchandising Functional Library is a collection of White Papers that go into detail about various areas of the functional, business operations within the Merchandising Operations Management suite of applications.

Oracle Retail Merchandising Operations Management 14.0 Upgrade Guide (ID 1595732.1)

This guide describes the approach that each Oracle Retail Merchandising Operations Management application takes for the upgrading process, as well as its upgrade assumptions and considerations. Actual procedures for the upgrade may be included in the application's Installation Guide.

Oracle Retail Merchandising Mock Installation Test Cases, Release 14.0 (1597813.1)

The tests in this document have been created to assist in verifying (smoke testing) that the installation of the following products was successful: RMS, ReSA, RTM, Oracle Retail Allocation, ReIM, ARI, and RPM. These tests are not intended to verify all functionality in the suite of products previously listed.

Supplemental Training on My Oracle Support

The following document is available on the My Oracle Support Web site. Access My Oracle Support at the following URL:

https://support.oracle.com

Transfer of Information (TOI) Material (ID 732026.1)

Online training is available to Oracle supported customers at product release. These online courses provide release-specific product knowledge that enables your functional and technical teams to plan, implement and/or upgrade and support Oracle Retail applications effectively and efficiently.

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible to all users, including users that are disabled. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at:

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

Accessibility of Links to External Web Sites in Documentation

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Oracle® Retail Price Management Release Notes, 14.0

Copyright © 2013, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Value-Added Reseller (VAR) Language

Oracle Retail VAR Applications

The following restrictions and provisions only apply to the programs referred to in this section and licensed to you. You acknowledge that the programs may contain third party software (VAR applications) licensed to Oracle. Depending upon your product and its version number, the VAR applications may include:

(i) the **MicroStrategy** Components developed and licensed by MicroStrategy Services Corporation (MicroStrategy) of McLean, Virginia to Oracle and imbedded in the MicroStrategy for Oracle Retail Data Warehouse and MicroStrategy for Oracle Retail Planning & Optimization applications.

(ii) the **Wavelink** component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Mobile Store Inventory Management.

(iii) the software component known as **Access Via™** licensed by Access Via of Seattle, Washington, and imbedded in Oracle Retail Signs and Oracle Retail Labels and Tags.

(iv) the software component known as **Adobe Flex™** licensed by Adobe Systems Incorporated of San Jose, California, and imbedded in Oracle Retail Promotion Planning & Optimization application.

You acknowledge and confirm that Oracle grants you use of only the object code of the VAR Applications. Oracle will not deliver source code to the VAR Applications to you. Notwithstanding any other term or condition of the agreement and this ordering document, you shall not cause or permit alteration of any VAR Applications. For purposes of this section, "alteration" refers to all alterations, translations, upgrades, enhancements, customizations or modifications of all or any portion of the VAR Applications including all reconfigurations, reassembly or reverse assembly, re-engineering or reverse engineering and recompilations or reverse compilations of the VAR Applications or any derivatives of the VAR Applications. You acknowledge that it shall be a breach of the agreement to utilize the relationship, and/or confidential information of the VAR Applications for purposes of competitive discovery.

The VAR Applications contain trade secrets of Oracle and Oracle's licensors and Customer shall not attempt, cause, or permit the alteration, decompilation, reverse engineering, disassembly or other reduction of the VAR Applications to a human perceivable form. Oracle reserves the right to replace, with functional equivalent software, any of the VAR Applications in future releases of the applicable program.