

**Oracle[®] Retail Price Management
Operations Guide Addendum
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Oracle Retail Operations Guides are designed so that you can view and understand the application's 'behind-the-scenes' processing, including such information as the following:

- Key system administration configuration settings
- Technical architecture
- Functional integration dataflow across the enterprise

This Operations Guide Addendum should be used in conjunction with previously released RPM 11.x documentation.

Audience

Anyone who has an interest in better understanding the inner workings of the RPM system can find valuable information in this guide. There are three audiences in general for whom this guide is written:

- System analysts and system operation personnel:
 - Who are looking for information about RPM's processes internally or in relation to the systems across the enterprise.
 - Who operate RPM on a regular basis.
- Integrators and implementation staff who have the overall responsibility for implementing RPM into their enterprise.
- Business analysts who are looking for information about processes and interfaces to validate the support for business scenarios within RPM and other systems across the enterprise.

Related Documents

You can get more information pertaining to RPM from the following sources:

- RPM front-end documentation (for example, the RPM User Guide and online help)
- RPM Installation Guide
- Oracle Retail Merchandising System (RMS) product documentation
- Oracle Retail Integration Guide and other RIB-related documentation
- Oracle Retail Security Manager (RSM) product documentation
- Applicable third-party documentation (such as for Hibernate, and so on)
- Oracle Retail Service Layer (RSL) related documentation

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- Screen shots of each step you take.

Introduction

This addendum contains enhancements to the existing Oracle Retail Price Management Operations Guide, particularly in regard to how other applications query RPM for pricing information.

Price Management Communication Flow

Pricing detail is communicated from RPM to other applications through different means. The four primary communication components of pricing information are described in this chapter.

Approved Price Events

When a price change, clearance or promotion is approved in RPM, the system publishes those events to the Oracle Retail Integration Bus (RIB). Oracle Retail Store Inventory Management (SIM) subscribes to the message in order to pass the pricing event information on to Oracle Retail Point of Sale (POS). RPM also publishes messages when approved events are unapproved. This message informs stores that the event previously sent will not take place.

Price Events

SIM has the ability to create, modify, or delete price changes, clearances and promotions on a store by store basis. SIM communicates these requests via the Oracle Retail Service Layer (RSL) and RPM runs the requests through conflict checking. If the requests pass conflict checking then they become approved price events. RPM sends a confirmation back to SIM for creation and modification requests, but not deletions. As stated above, the approved price events and details are then communicated via the RIB.

Price Inquiry

Oracle Retail Allocation and SIM have the need to know what the price of an item is on a given day for a given location. Today's date is often the case in SIM, whereas a future date is frequently requested from Allocation. The requests are communicated to RPM via RSL and processed by RPM off the future retail table. RPM sends back the price information for the requested item/location/date combination.

Promotion Detail

When Oracle Retail Allocation requires promotion detail, it is able to retrieve the data via RMS from RPM. There are two direct package calls involved – Oracle Retail Allocation calling the RMS package, and the RMS package calling an RPM package. This provides Oracle Retail Allocation with the promotional detail beyond what would be provided in a price inquiry request.

Communication Flow Diagram

The following flow illustrates the processes described above:

