

**Oracle® Retail Price Management**  
Release Notes  
Release 11.0.12

November 2007

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# Preface

A Release Notes document can include some or all of the following sections, depending upon the release:

- Overview of the release
- Functional, technical, integration, and performance enhancements
- Assumptions
- Fixed defects
- Known issues

## Audience

Release Notes are a critical communication link between Oracle Retail and its retailer clients. There are four general audiences in general for whom a Release Notes document is written:

- Retail clients who want to understand the contents of this release
- Staff who have the overall responsibility for implementing Oracle Retail Price Management in their enterprise
- Business analysts who want high-level functional information about this release
- System analysts and system operation personnel who want high-level functional and technical content related to this release

## Related Documents

For more information, see the following documents in the Oracle Retail Price Management Release 11.0.12 documentation set:

- Oracle Retail Price Management Batch Schedule
- Oracle Retail Price Management Data Model
- Oracle Retail Price Management Installation Guide
- Oracle Retail Price Management Operations Guide Addendum

## Customer Support

<https://metalink.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

## Review Patch Documentation

For a base release ("0" release, such as 12.0), Oracle Retail strongly recommends that you read all patch documentation before you begin installation procedures. Patch documentation can contain critical information related to the base release, based on new information and code changes that have been made since the base release.

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## Oracle Retail Documentation on the Oracle Technology Network

In addition to being packaged with each product release (on the base or patch level), all Oracle Retail documentation is available on the following Web site:

[http://www.oracle.com/technology/documentation/oracle\\_retail.html](http://www.oracle.com/technology/documentation/oracle_retail.html)

Documentation should be available on this Web site within a month after a product release. Note that documentation is always available with the packaged code on the release date.

## Conventions

**Navigate:** This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

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**Note:** This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

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This is a code sample  
It is used to display examples of code

[A hyperlink appears like this.](#)

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# Release Notes

## Overview

This document contains information on updates to Oracle Retail Price Management (RPM) since release 11.0.11.

## Note Regarding Hot Fixes

RPM has released 11.0.11.1 and 11.0.11.2 bundled hot fixes since the 11.0.11 patch release. Please note that the 11.0.12 release includes all modifications since RPM 11.0.11. The Installation Guide documentation assumes a direct update to RPM 11.0.12 from RPM 11.0.11. If any hot fixes were applied after RPM release 11.0.11, analysis should be done for any database scripts, because they would not have to be executed a second time.

## Applying Source Code

Before applying the patch source files over your code:

- Note whether any modules have been customized. If so, the customizations must be reapplied to the new version of the module, or the fix may need to be applied to the custom version of the code.
- Copy the original files to a different directory before you copy over them, in case you need to refer to them at a later date.

## Dependency

The RPM 11.0.12 patch requires the application of the RMS fix for bug 6510490 (ARU 9626691) to the database on top of RMS 11.0.13. If you are applying this patch to a previous version of RMS, you must also apply the RMS fix for bug 6349742.

## Defect Fixes and Documentation

A defect fix is a modification to the base Oracle Retail code (for example, a bug fix, a performance enhancement, or a functional enhancement). The file named DEFECT MODULE XREF RPM 11.0.12.xls lists every defect number and the modules and scripts that are included in the patch. Review this document carefully before this patch is implemented. Please note that scripts *do not* preserve data. Make sure that all data is backed up before you run any script.

## Conflict Checking

RPM 11.0.12 includes significant additions for conflict checking. (These updates were also included in RPM hot fix 11.0.11.2.) See the RPM 11.0.12 Operations Guide Addendum for information on the following:

- Conflict checking rules
- How to add user-defined conflict checking rules
- Bulk conflict checking

## purgeBulkConflictCheckArtifacts.sh

The RPM 11.0.11.2 release includes the bulk conflict checking engine. This engine uses the following working tables to perform its process:

- RPM\_BULK\_CC\_PE
- RPM\_BULK\_CC\_PE\_SEQUENCE
- RPM\_BULK\_CC\_PE\_THREAD
- RPM\_BULK\_CC\_PE\_IL

In normal conditions, these tables should be deleted at the end of the bulk conflict checking process. If there is any environment issue, there could be some records left in these tables. RPM 11.0.11.2 includes a new batch program `purgeBulkConflictCheckArtifacts.sh`. This batch program cleans up the working tables. Please make sure that you run this batch job at the end of your batch window, to make sure that you have clean working tables for bulk conflict checking for the next day that users are using the application. Too many records left in these tables could degrade the performance of bulk conflict checking.

## Batch Design Updates

RPM 11.0.12 includes updates to a number of batch designs.

The following updates were also included in RPM hot fix 11.0.11.2. See the RPM 11.0.12 Operations Guide Addendum for information about updates to these batch designs:

- NewItemLocBatch
- LocationMoveBatch
- PriceChangeAreaDifferentialBatch
- WorksheetAutoApproveBatch
- InjectorPriceEventBatch

Additional updates to the following batch designs for RPM 11.0.12 are also described in this Release Notes document:

- MerchExtractKickOffBatch
- InjectorPriceEventBatch

## MerchExtractKickOffBatch Batch Design

RPM 11.0.12 introduces updates to the MerchExtractKickOffBatch batch design. (The following information is also found in the RPM 11.0.12 Operations Guide Addendum.)

### Overview

The MerchExtractKickOffBatch.java batch program builds worksheets in RPM. MerchExtractKickOffBatch.java either creates or updates worksheets based on price strategies and the calendars attached to them.

### Usage

The following command runs the MerchExtractKickOffBatch job:

```
MerchExtractKickOffBatch userid password <mode>
```

where *userid* is the user ID and *password* is the password. The optional *mode* argument can be used to split the processing into three components: pre-process, process, and post-process. The valid values for the *mode* argument are PRE, PROCESS, POST, and ALL. ALL is the default value for the *mode* argument when no value is provided.



The program is split into sections for performance and functional reasons. The population of the RPM\_PRE\_ME tables in the setup section allows access to the largest RMS tables in the most performant manner. The splitting of the worksheet creation section ensures that a worksheet will not be reprocessed in the case of a failure in a different worksheet. The splitting of a post process helps to avoid locking issues.

## Detail

Setup: (included in modes: ALL and PRE) clean up expired worksheets and prepare for creation of new worksheets.

- Delete worksheets that are at the end of their review period.
- Get list of all strategies that need to be processed today. Create copies of the strategies as needed.
- Determine what strategies need to be grouped together based on the RPM\_DEPT\_AGGREGATION.WORKSHEET\_LEVEL.
- Stage date in RPM\_PRE\_ME\_AGGREGATION, RPM\_PRE\_ME\_ITEM\_LOC, RPM\_PRE\_ME\_COST, and RPM\_PRE\_ME\_RETAIL. This is done for performance reasons. This allows the program to access large tables in an efficient as possible manner.

Worksheet Creation: (included in modes: ALL and PROCESS)

- Start threads based on the values in RPM\_BATCH\_CONTRL for MerchExtractKickOffBatch.java.
- Call RPM\_EXT\_SQL, a PL/SQL package, to extract RPM information. The package is called at the strategy and RPM\_DEPT\_AGGREGATION.WORKSHEET\_LEVEL. level. It pulls large amounts of data from various RMS tables and populates the RPM\_WORKSHEET\_DATA table. The RPM\_MERCH\_EXTRACT\_CONFIG table is used to exclude certain families of data from being included in the population. If this table is not populated all values are included in the population of RPM\_WORKSHEET\_DATA.
- For each RPM\_WORKSHEET\_DETAIL record created, perform the following:
  - Use the price strategy to propose a retail value.
  - Apply candidate rules.
  - Apply price guides.

The following are potential reasons why item/locations are not included in a worksheet:

- The item/location falls under an exclusion type candidate rule.
- The item/location does not have a cost on RMS's FUTURE\_COST table.
- The item's market basket codes vary across locations in a zone.
- The item's link code varies across locations in a zone.
- If a link code is identified on an item/location, and there is any item within that link code (at that location) that has not been brought into the worksheet, all of the item/locations with that link code are excluded from the worksheet.
- The item's selling unit of measure varies across locations in a zone.
- The item is part of an area differential item exclusion.
- Item/locations in a single link code have varying selling unit of measures.

If an item does not make it into a worksheet, a row is inserted into the RPM\_MERCH\_EXTRACT\_DELETIONS table for each item location along with a reason that the item location was not included in the worksheet.

Post process: (included in modes: ALL and POST)

- Update the COMP\_PRICE\_HIST table. This logic needs to be in a post process to avoid locking issues as multiple threads can share competitive pricing information.

### Assumptions and Scheduling Notes

The following programs must run before PriceStrategyCalendarBatch:

- PriceStrategyCalendarBatch
- LocationMoveBatch

### Primary (RPM) Tables Involved

- RPM\_WORKSHEET\_STATUS
- RPM\_WORKSHEET\_DATA
- RPM\_STRATEGY
  - RPM\_STRATEGY\_CLEARANCE
  - RPM\_STRATEGY\_CLEARANCE\_MKDN
  - RPM\_STRATEGY\_COMPETITIVE
  - RPM\_STRATEGY\_DETAIL
  - RPM\_STRATEGY\_MARGIN
  - RPM\_STRATEGY\_REF\_COMP
  - RPM\_STRATEGY\_WH
- RPM\_AREA\_DIFF
  - RPM\_AREA\_DIFF\_EXCLUDE
  - RPM\_AREA\_DIFF\_PRIM
  - RPM\_AREA\_DIFF\_WH
- RPM\_CALENDAR
  - RPM\_CALENDAR\_PERIOD
- RPM\_CANDIDATE\_RULE
  - RPM\_CONDITION
  - RPM\_VARIABLE
  - RPM\_VARIABLE\_DEPT\_LINK
- RPM\_PRICE\_GUIDE
  - RPM\_PRICE\_GUIDE\_DEPT
  - RPM\_PRICE\_GUIDE\_INTERVAL

### Threading

MerchExtractKickOffBatch.java is threaded. The RPM\_BATCH\_CONTROL table must include a record for MerchExtractKickOffBatch.java for it to run in threaded mode.

MerchExtractKickOffBatch.java is threaded by strategies and the RPM\_DEPT\_AGGREGATION. WORKSHEET\_LEVEL setting.

### PL/SQL Interface Point

Package: RPM\_EXT\_SQL

## Changes to InjectorPriceEventBatch Batch

If there is a mistake (such as a wrong date or retail) in the data file and bulk numbers of price events are created with the data, it is necessary to roll back all data to reprocess the file with the correct values.

The following are the steps to change a price change or clearance and promotion from Approved to Worksheet status:

1. Set up the data in the appropriate staging table with item/locations, status of N and auto\_approve = 1.
2. Run the price injector batch, status parameter of N.
3. Price events are created in the user interface and the staging table is updated with status of A (Approved).
4. To set the approved events back to Worksheet status, leave the same item/locations in the table from step 1. Run the price injector batch with a status parameter of A. This means that all of the price events should be executed with status of A; doing so sets the price event back to Worksheet status.
5. Verify that the price events are set back to Worksheet status in the staging table and the user interface.

## Notable Defect Fixes

### Bundled RSM Client (Defect 6457322)

It is now possible to host the RSM client alongside the RPM client in the C-Clamp. The application servers must still be deployed separately. To enable this feature, a new property named `bundled_rsm_client` has been added to the `rpm.properties` file in the `rpm` ear. The default value of this property is `false`, which implies that the RSM client will not be available in the C-Clamp with the RPM application. If this property is set to `true`, the RSM client will be available in the RPM client. No matter what the value of this property, the RSM client jars will be deployed in the `RPM.jnlp`.

When a user logs in to the RPM application, if the `bundled_rsm_client` property is set to `true` and the user has permissions to access the RSM application, the user can see the RSM application in the C-Clamp. If the property is set to `true`, but the user does not have access to the RSM application, the user cannot see the RSM application.

Also, the new system property `retek.more_jndis` has been added to the `rpm11.jnlp`. This property instructs the service locator to download additional JNDI configuration information from the RPM server. This property is present regardless of the value of the `bundled_rsm_client` property.

### Defect 6470867

Price changes created at the zone level remained in the `RPM_PRICE_CHG_PAYLOAD` and were not published to RMS or SIM. The following error appeared in the log: "Message nodes are not of the same family; PRMPRCCHG/REGPRCCHG." The price event that the user was approving actually was approved without the user being informed about any issues with the publishing.

## Known Issue

### Performance Concerns with the Price Event Injector Batch

(See the batch design for InjectorPriceEventBatch in the RPM 11.0.12 Operations Guide Addendum.)

As a result of this new batch program, it is possible to create a price event with an unusually large number of item locations associated with the price event. Because of this, note that the application will only support price events that are similar in size to price events that can be created through the existing price event user interface screens. If you want to create price events using the new injector batch and maintain them through the user interface, be aware of this limitation.