

Oracle® Retail Price Management

Release Notes

Release 13.1.2.2

June 2010

Oracle Retail Price Management (RPM) Release 13.1.2.2 is a bundled hot fix release for RPM 13.1. RPM 13.1.2.2 includes selected defect fixes for RPM 13.1 code.

Oracle Customer Support investigates submitted issues assuming that all released updates have been applied. It is the customer's decision when to apply a new release; however, delays in applying updates can complicate the support process.

About Bundled Hot Fix Releases

Oracle Retail bundled hot fix releases are the most frequent releases to update Oracle Retail applications. These releases typically contain only defect fixes; they may also include enhancements that address application performance or other issues. Bundled hot fix releases are of smaller scope than less-frequent patch releases, and they are intended to be easier and faster for the customer to install than major patch updates.

Each RPM bundled hot fix release introduces a new set of defect fixes or enhancements. The complete Java application code also includes all defect fixes from bundled hot fix releases since the last patch release. Database changes and scripts, if any, are unique to each bundled hot fix release; previously released database changes and scripts are not also included in later bundled hot fix releases.

Bundled hot fix releases must be applied in sequential order. Before you can apply a new bundled hot fix release, you must first apply all previous bundled hot fix releases since the last patch release. The Release Notes for each Oracle Retail release identify whether a release is a bundled hot fix release or a patch release.

Periodic patch releases include all defect fixes that have been released through bundled hot fix releases since the last patch release. Patch releases may also include new defect fixes and enhancements that have not previously been included in any bundled hot fix release.

Applying Source Code

Before applying the fixes included in the RPM 13.1.2.2 bundled hot fix release, be sure that RPM 13.1 has been installed and the RPM 13.1.2 patch release has been applied.

Before applying the 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.

Running Scripts

Back up data before running any script, because the scripts provided *do not* preserve data. See defect reports for details.

Check with your database administrator to determine whether your database should be analyzed after a script is run. In many cases, analysis of the database is necessary to take advantage of new or modified indexes intended to improve performance of the application.

Performance Enhancements

Enhancement Request 9708830

The push back logic of chunk conflict checking has been updated to process in multiple threads rather than in one, single thread. The same concept used for breaking a price event into multiple “chunks” for conflict checking is applied to the push back portion of the process. In addition, a new, table-based locking strategy has been introduced to allow a lock to exist on future retail data across transactions. Also, a new batch (ProcessPendingChunkBatch) has been added to process any push back threads that encounter errors.

A modification also has been made to the logic that explodes a price event to the item/location level. Rather than exploding directly to item-loc, where it is guaranteed that a relationship exists between an item and a location, the process individually explodes merchandise hierarchy information to the transaction item level and separately explodes the location hierarchy information to the location level. The check for ranging between these two sets of information is inherited by the actual conflict checking process (which looks for records on the future retail tables for the given items and locations).

ProcessPendingChunkBatch

The ProcessPendingChunkBatch program looks for failed push back processes and attempts to rerun those failed chunks. This batch finishes the remaining push back processing that is needed, as well as any remaining "post push back" logic (such as area differential processing, payload data cleanup, and payload publishing). It also updates the status of the price events tied to the failed chunks.

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). Each defect fix that is included in this patch has a corresponding defect report titled *<defect-number>.PDF* (for example, 1234567.PDF).

In the same folder, the file named DEFECT MODULE XREF RPM 13.1.2.2.XLS lists every defect number and the modules and scripts that are included in the patch. Review each defect report carefully before implementing the defect fixes. Please note that scripts do not preserve data. Make sure that all data is backed up before you run any script.

Noteworthy Defect Fixes

The following defect fixes and enhancements are included in RPM 13.1.2.2.

Defect Number	Summary
9672101	Performance issue when applying clearances.
9740094	Performance issue when approving clearances.
9740011	Performance issue when approving simple promotions.
9708830	Performance issue when approving large complex promotions.
9778995	Performance issue when running PriceEventExecutionRMSBatch.

Related Documentation

For more information, see the following documents in the Oracle Retail Price Management Release 13.1.2.2 documentation set:

- *Oracle Retail Price Management Data Model*
- *Oracle Retail Price Management Operations Guide*

Installing the Bundled Hot Fix Release

1. Shut down the server and connected clients.
2. Download the .ZIP file from My Oracle Support.
3. Unzip the .ZIP file into a folder, such as RPM_HOTFIX.
4. There will be another .ZIP file called RPMxxApplication.zip (where xx is the version number, such as 11, 12, and 13).
5. Unzip RPMxxApplication.zip. Inside the file is RPM.ear.
6. Copy the RPM.ear file to the destination directory in your application server.
7. Go to the DBSource folder inside RPM_HOTFIX to find the changed .SQL scripts and .PLS files.

8. Open a SQL*Plus session as an RPM database user and compile all the .PLS files and execute .SQL files.
9. Restart the application server.

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