

Oracle® Retail Price Management

Release Notes

Release 12.1.0.17

September 2010

Oracle Retail Price Management (RPM) Release 12.1.0.17 is a bundled hot fix release for RPM 12.1. RPM 12.1.0.17 includes selected defect fixes and enhancements for RPM 12.1 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 bundled hot fix release contains a unique set of defect fixes or enhancements. Note that bundled hot fix releases are not cumulative; that is, defect fixes from a previous bundled hot fix release are not also included in a later bundled hot fix release.

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.

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.

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 12.1.0.17.XLS lists every defect number and the modules and scripts that are included in the release. 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 12.1.0.17. This is not a complete list; see the cross-reference spreadsheet and defect reports for a complete list and full details.

Defect Number	Summary
9883061	The RPM_PROMO_ITEM_LOC_EXPL & RPM_FUTURE_RETAIL records are not updated for all the items ended early.
9773448	When an item is on an overlapping price change and promotion, and the promotion is canceled, the user is unable to create another price change. The following error message is issued: "An approved price change for this item/location/date already exists."
9712435	VAT rates are not calculated correctly for zone level queries.

Dependencies

Defects 9329730 and 9712435

For the RPM 12.1.0.17 bundled hot fix release:

- RPM defect 9329730 has dependent code changes in RMS defect 9382872.
- RPM defect 9712435 has dependent code changes in RMS defect 9715782.

Enabling RPM Audit Trailing

In response to RPM defect 9735571, the following information has been added to Chapter 2 of the *Oracle Retail Price Management Operations Guide* for the 12.1.0.17 bundled hot fix release:

Note: The following information about audit trailing pertains only to retailers with custom-implemented Oracle Dynamic Monitoring Service (DMS) APIs. It is intended for those retailers who want to run the performance metric and audit trailing simultaneously, as OracleConnection.setEndToEndMetrics does not work when DMS is enabled.

When Oracle database auditing is turned on globally, nothing is audited by default. Tables and operations to be audited must be defined. Typically, a database administrator completes the tasks necessary for enabling audit trailing.

Note: When obtaining a JDBC connection, assign the client ID with the user name of the application.

Following are the steps required to enable audit trailing within the RPM application:

1. Ensure the Oracle JDBC Driver has been upgraded to version 10.1.0.5.0.
2. Log into the UNIX server as the user who has "write" access under ORACLE_HOME.
3. Change directories to <ORACLE_HOME>/opmn/conf.
4. Make a backup of opmn.xml. Edit the file.
5. Locate the process-type element for the OC4J instance running the RPM application.
6. Under the process-type, under start-parameters > java-options, add the following value:

```
-Xbootclasspath/a:<path>/ojdbc14.jar
```

For example:

```
<process-type id="rpm-oc4j-instance" module-id="OC4J" status="enabled">
<module-data>
<category id="start-parameters">
<data id="java-options" value="-Xbootclasspath/a:<path>/ojdbc14.jar ...
```

7. Save opmn.xml.
8. Reload OPMN and restart the OC4J instance running the RPM application.

For example:

```
$ORACLE_HOME/opmn/bin/opmnctl reload
$ORACLE_HOME/opmn/bin/opmnctl restartproc process-type=rpm-oc4j-instance
```

9. Turn on database auditing globally. At this point, nothing is audited by default.
10. Define the tables and associated operations (for example, insert, update, and delete) that require auditing.

The following example indicates that the table, RPM_PRICE_CHANGE, will be audited when information is added (inserted) into the table, deleted from the table, or updated: RPM_PRICE_CHANGE: INSERT/UPDATE/DELETE

Once table and operation definition is completed, audit trails can be verified as follows:

```
Select owner, obj_name,username, userhost, timestamp, action_name,
client_id, ses_actions, returncode from sys.dba_audit_object where obj_
name in ('RPM_PRICE_CHANGE') order by timestamp desc.
```

The `client_id` field will indicate the application end user (or whatever identifier was passed to the field).

Related Documentation

For more information, see the following documents in the Oracle Retail Price Management Release 12.1.0.17 documentation set:

- *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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