

# Oracle® Retail Price Management

Release Notes

Release 13.1.5.2

February 2012

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Oracle Retail Price Management (RPM) Release 13.1.5.2 is a bundled hot fix release for RPM 13.1. RPM 13.1.5.2 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 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.

## Applying Database Change Scripts

When applying database change scripts, there are some dependencies between scripts. Be sure that scripts named with a pattern such as 12345\_rpm\_table\_name.sql are applied before applying scripts named with a pattern like 12345a\_rpm\_table\_name.sql (note the "a" after the 12345). If the application of these scripts is reversed, the effects of one of the scripts could be lost.

## 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.

## Technical Enhancement

The RPM 13.1.5.2 release includes the following technical enhancement.

### Payload Population Delayed Enhancement

When running conflict checking for large price events, a lot of processing time is dedicated to exploding data on the future retail tables to the Transaction Item and Location level so that data can be communicated to other systems.

In an environment where the Oracle Retail Integration Bus (RIB) is not involved, the system can postpone this explosion logic to finish the conflict checking logic faster and return control of the price event back to a user more quickly.

A system option is now included to indicate whether the RPM system is integrated through RIB. The option replaces the following application startup parameters.

- Drettek.no.rib=true/false
- Drettek.no.rib.publish=true/false

## Documentation Enhancement

The *Oracle Retail Price Management Operations Guide* has been updated as follows.

### System Option: Apply Promotion Change Type 1st

In Chapter 4, "Conflict Checking," an explanation of the system option, Apply Promotion Change Type 1st, has been added to the section, "Rules Controlled by System Options."

### Documentation Correction—RPM 13.1.3.1

For the RPM 13.1.3.1 release, the list of installation instructions in the *Oracle Retail Price Management Release Notes* was incomplete; the note between steps 7 and 8 was missing. The following is the full set of instructions.

### 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.

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**Note:** For this release, copy the copy\_partitioning.sql script from the most recent patch release (the 13.1.3 patch) to <RPM\_HOTFIX>/DBSource/Database Change Scripts directory before applying database scripts.

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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.

## 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 13.1.5.2.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 13.1.5.2. This is not a complete list; see the cross-reference spreadsheet and defect reports for a complete list and full details.

Defect Number	Summary
13628756	When attempting to bring a clearance exclusion record back to Worksheet status, a conflict check alert message is displayed and the record remains in Conflict Checking status.
13628754	When a move is created and approved, and the locationMoveScheduleBatch.sh batch is run, the following error message is issued: 0PACKAGE_ERROR@1ORA-32638: Non unique addressing in MODEL dimensions@2RPM_ROLL_FORWARD_SQL.RPM_RF_MULTI_UNIT_RETAIL.
13620891	A worksheet is not generated when the strategy is created at a non primary zone, where locations also belong to the primary zone.
13628693	Primary zone modification does not work as expected at the sub class level, when a customer segment promotion exists at the primary zone level.

Defect Number	Summary
13628701	rpm_zone_future_retail is not seeded correctly when approving a fixed-price price change at zone level when no seed data exists.
13628715	For a customer segment promotion, duplicate records are inserted in the RPM_PROMO_ITEM_LOC_SR_PAYLOAD table.
13628722	When approving a price change, it is suspended in conflict checking status and a package error is issued.
13628746	Price Inquiry logic does not function correctly for customer segment promotions or for item lists containing items with different markup values.

## Related Documentation

For more information, see the following documents in the Oracle Retail Price Management Release 13.1.5.2 documentation set:

- *Oracle Retail Merchandising Batch Schedule*
- *Oracle Retail Price Management Data Model*
- *Oracle Retail Price Management Operations Guide*

## Installing the Bundled Hot Fix Release

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**Note:** This procedure includes database installation (steps 3 and 4) and RPM application deployment (steps 5-10).

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1. Download the .ZIP file from My Oracle Support.
2. Unzip the .ZIP file into a folder, such as RPM\_HOTFIX.
3. Go to the DBSource folder inside RPM\_HOTFIX to find the changed .SQL scripts and .PLS files.
4. Open a SQL\*Plus session as an RPM database user and compile all the .PLS files and execute .SQL files.
5. There is another .ZIP file called RPMxxApplication.zip (where xx is the version number, such as 11, 12, and 13).
6. Expand the RPM application distribution as follows.
  - a. Log into the UNIX server as the user who owns the OracleAS 10g installation. Create a new staging directory for the RPM application distribution (rpm13application.zip).  
  
For example, \$ORACLE\_HOME/j2ee/rpm\_oc4j/rpm-staging.  
  
This location is referred to as INSTALL\_DIR for the remainder of this chapter.
  - b. Copy rpm13application.zip to INSTALL\_DIR and extract its contents.

7. Provide the Hibernate jar file.

The RPM application requires the hibernate2.jar file to be installed. This file should be downloaded from <http://www.hibernate.org> and placed in the `INSTALL_DIR/rpm/application/hibernate` folder before the installer is launched. For RPM 13, Hibernate 2.1.8 should be used. Download the Hibernate distribution and extract the hibernate2.jar file from it.

The RPM application installer verifies that hibernate2.jar has been provided and that it is the correct version. If hibernate2.jar is missing or incorrect, the installer does not proceed.

The installer applies hibernate2.jar to the RPM application by placing it under the `ORACLE_HOME/j2ee/<oc4j-instance-name>/applications/<app-name>/lib` directory.

8. Run the RPM application installer.

Once the OC4J instance is configured and started, run the RPM application installer. This installer configures and deploys the RPM application and Java WebStart client files.

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**Note:** It is recommended that the installer is run using the same UNIX account that owns the application server `ORACLE_HOME` files. Doing so takes full advantage of the installer's capabilities. If the installer is run as a different user, the Manual Deployment Option must be selected.

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- a. Change directories to `INSTALL_DIR/rpm/application`.
- b. Set the `ORACLE_HOME` and `JAVA_HOME` environment variables. `ORACLE_HOME` should point to your OracleAS installation. `JAVA_HOME` should point to the Java 5.0 (1.5.0) JDK located at `$ORACLE_HOME/jdk`.

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**Note:** Java 1.5 (SR7) is required if you are using AIX.

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- c. If using an X server (such as Exceed), set the `DISPLAY` environment variable so that the installer can be run in GUI mode (recommended). If an X server is not used, or the GUI is too slow over the network, unset `DISPLAY` for text mode.
- d. Run the `install.sh` script to launch the installer. After installation is complete, a detailed installation log file is created (`rpm13install.<timestamp>.log`).

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**Note:** For information about how to resolve errors, see "Resolving Errors Encountered during Application Installation" in the *Oracle Retail Price Management Installation Guide*.

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**9.** For clustered installations, complete post-installation steps.

For installing the RPM application to a clustered Oracle Application Server environment, there are some extra steps required to complete the installation. In these instructions, the application server node from which the ORACLE\_HOME was used for the RPM installer is referred to as the "master node." All other nodes are referred to as "remote nodes."

- a. The RPM client files should be copied from the master node to each of the remote nodes under the same path as on the master node. For example, take the files under \$ORACLE\_HOME/Apache/Apache/rpm and copy them onto the remote nodes under the same path.
- b. All jnlp files in the RPM client must be modified so that the correct host name is used on each node.
- c. The RPM batch files should be copied from the master node to each of the remote nodes under the same path as on the master node. Take the \$ORACLE\_HOME/j2ee/<rpminstance>/rpm-batch directory and copy it onto the remote nodes under the same path.
- c. The launchRpmBatch.sh script should be modified on each remote node to point to the local RPM instance. The RPM URL is set in the PROVIDER\_URL variable. This script is located at \$ORACLE\_HOME/j2ee/<rpminstance>/rpm-batch/scripts/launchRpmBatch.sh.
- d. All of the OC4J instances in the group should be restarted to pick up the jndi\_providers.xml changes. For example, \$ORACLE\_HOME/opmn/bin/opmnctl @cluster restartproc ias-component=rpm\_group.

**10.** Sign the RPM client configuration jar file.

Some client-side configuration that the installer performs results in a modified rpm\_client\_config.jar file after installation. Because of this, the jar file cannot be pre-signed by Oracle. The user must sign this jar file after the installer has completed.

To create an example key called "foo," the following command can be run:

```
$JAVA_HOME/bin/keytool -genkey -alias foo
```

This command prompts for a keystore password and organizational information.

Once complete, the keystore alias resides in the default location in the user's home directory (for example, ~/.keystore). If an error message is issued to indicate that the keystore has been tampered with, try renaming or deleting the ~/.keystore file and running the keytool command again.

The rpm\_client\_config.jar is located in the \$ORACLE\_HOME/j2ee/<oc4j-instance>/applications/<rpm-app-name>/JnlpLaunchServlet/lib directory.

To sign the rpm\_client\_config.jar file using your alias and keystore, run the jarsigner utility.

For example, \$JAVA\_HOME/bin/jarsigner rpm\_client\_config.jar foo.

If clustering the application server, copy the signed rpm\_client\_config.jar file to the same path under \$ORACLE\_HOME on all remote nodes.

See the "jarsigner" documentation from Sun for information on the JAR signing process.

- 11.** Restart the application.

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