

Oracle® Retail Price Management
Installation Guide
Release 10.1.7

December 2006

Copyright © 2006, Oracle. All rights reserved.

Primary Author: Paul Kehler

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software—Restricted Rights (June 1987). Oracle Corporation, 500 Oracle Parkway, Redwood City, CA 94065

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.

Contents

Preface	v
Audience	v
Related Documents	v
Customer Support	v
Conventions	v
1 Database Server Installation Instructions	1
Mount CD-ROM on the Database Server	1
Update ddl	2
Update Packages, Stored Procedures and Functions	2
2 Application Server Installation Instructions	3
UNIX (Sun Solaris/HPUX/AIX)	3
Install OC4J 9.0.4 Standalone	3
Copy and Unpack Install Files From CDROM	3
Configure OC4J for RPM 10 and Deploy rpm.war	4
Start/Stop/Load the Default OC4J Application	4
Edit the File db.properties	5
Reload the Default OC4J Application	6
3 Applying Source Code	7

Preface

Oracle Retail Installation Guides contain the requirements and procedures that are necessary for the retailer to install Oracle Retail products.

Audience

This Installation Guide is written for the following audiences:

- Database administrators (DBA)
- System analysts and designers
- Integrators and implementation staff

Related Documents

For more information, see the following documents in the Oracle Retail Price Management Release 10.1.7 documentation set:

- Oracle Retail Price Management Release Notes

Customer Support

- <https://metalink.oracle.com>

When contacting Customer Support, please provide:

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

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.”

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

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

A hyperlink appears like this.

Database Server Installation Instructions

Before you apply the RPM 10.1.7 patch:

- Check that RMS 10.1.17 is installed.
- Check that RPM 10.1.6 is installed.
- Review the enclosed RPM 10.1.7 Patch Release Notes (rpm-1017-rn.pdf).
- Review each of the enclosed SIR documents.

Before copying over any files:

- Note whether customizations have been made to the module. If so, then the customizations must be reapplied over the new version of the module (or the fix may need to be applied to the custom version of the code). Please refer to Chapter 2.
- Copy the original files to a different directory before copying over them in case they need to be referred to at a later date.

Note: Normally OC4J is installed in an existing Oracle 9iAS (9IAS_ORACLE_HOME) location. However, OC4J can be installed and run outside 9IAS_ORACLE_HOME. For this reason, ORACLE_HOME refers to the location where OC4J will be installed.

Note: JDK 1.4.2 is a requirement for both OC4J and RPM

Mount CD-ROM on the Database Server

1. Mount the CD-ROM on your Database Server.
2. Copy the rpm1016dbpatch.tar.Z file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
3. Log in to UNIX.
4. Change directories to the staging directory.

Note: The tar file must have a .Z extension.

5. If the tar file has a "z" in lowercase, change it by typing:
`v rpm1016dbpatch.tar.z rpm1016dbpatch.tar.Z`
6. Uncompress the tar file by entering:
`ncompress rpm1016dbpatch.tar.Z`
7. Untar the tar file by entering:
`tar xvf rpm1016dbpatch.tar`

Update ddl

1. On the server, change directories to <staging area>/dbcs.
2. Log in to SQLPLUS as rmsdev10.
3. Enter the following command to update packages, procedures, and functions:
`SQL> @patch1017dbcs.sql`
4. Exit SQLPlus.
5. View the spool file `patch1017dbcs.log` when finished to verify that no errors were found.

Update Packages, Stored Procedures and Functions

1. On the server, change directories to <staging area>/db_objects.
2. Log in to SQLPLUS as rmsdev10.
3. Enter the following command to update packages, procedures, and functions:
`SQL> @patch1017rpm.sql`
4. Exit SQLPlus.
5. View the spool file `patch1017rpm.log` when finished to verify that no errors were found.

Application Server Installation Instructions

UNIX (Sun Solaris/HPUX/AIX)

Install OC4J 9.0.4 Standalone

1. Log into the UNIX server as the retek user and determine where OC4J is to be installed. Set the ORACLE_HOME environment variable to this location.
2. Copy oc4j_extended.zip to ORACLE_HOME.
3. Change directories to ORACLE_HOME and unzip oc4j_extended.zip.
4. Change directories to ORACLE_HOME/j2ee/home.
5. Set the J2EE_HOME environment variable to ORACLE_HOME/j2ee/home.
6. Change directories to J2EE_HOME.
7. Install OC4J by executing the OC4J install command.

Example: > java -jar oc4j.jar -install

Note: The OC4J installation auto-deploys a number of applications and then prompts for an admin password, which is used for the administration console command-line tool. Record the admin password entered at the prompt, as it is needed for Administering OC4J.

8. Update the JDBC driver that is distributed with OC4J by copying the classes12dms.zip from DATABASE_ORACLE_HOME/jdbc/lib on the RMS database server to J2EE_HOME/jdbc/lib on the application server. This ensures that the JDBC driver version matches the database version. This step needs to be repeated whenever the Oracle database is upgraded.

Note: JDK 1.4.2 is a requirement for both OC4J and RPM

Copy and Unpack Install Files From CDROM

1. Mount the CD-ROM on your UNIX Application Server.
2. Change directories to /appserverunix.
3. Copy the rpm1017apppatch.tar file from the CD /appserverunix directory to a newly created staging directory on your UNIX Application server.
4. Log in to UNIX.
5. Change directories to the staging directory.
6. Untar the tar file by entering:

```
tar xvf rpm1017apppatch.tar
```

The following directories and files should now exist in INSTALL_DIR:

```
/web
/src
rpm.war
```

Configure OC4J for RPM 10 and Deploy rpm.war

1. Copy the alloc.war file from INSTALL_DIR to the J2EE_HOME/applications directory.
2. Backup the following files at J2EE_HOME/config:
http-web-site.xml
application.xml
3. Edit application.xml by adding another web-module tag for the new RPM 10 application.

Example: `<web-module id="rpm"
path="../applications/rpm.war" />`

4. Edit http-web-site.xml by adding another web-app tag for the new application.

Example: `<web-app application="default" name="rpm"
root="/rpm" />`

Start/Stop/Load the Default OC4J Application

1. Stop the default OC4J container if you haven't done so already. Issue the following command in \$J2EE_HOME:

```
> java -jar admin.jar ormi://<server_name>/ <admin_id> <admin_password> -  
shutdown -force
```

Note: <server_name> is the name of the server or its IP address. <admin_id> and <admin_password> are the administration username and password supplied during the OC4J install.

Example: `java -jar admin.jar ormi:/retekdev10/ admin
admin -shutdown -force`

2. To start the default OC4J container, issue the following command in \$J2EE_HOME:

```
> java -jar oc4j.jar &
```

"Oracle Application Server Containers for J2EE 10g (9.0.4.0.0) initialized" prompt means the container has started.

Edit the File db.properties

1. Change directories to \$J2EE_HOME/applications/rpm/WEB-INF/classes/com/rettek/rpm/util/conf.
2. Edit db.properties; the values to be changed are:
rms.url=jdbc:oracle:thin:@<database server>:<port>:<database sid>
rms.user=<rms schema owner>
rms.password=<rms schema password>

Where:

- Database server = machine name of server where the database resides
- port = Oracle database port
- database sid = Oracle database sid name
- rms schema owner = name of the RMS 10.1.x database schema
- rms schema password = RMS 10.1.x database schema password

Example: rms.url=jdbc:oracle:thin:@rettekdev10:1521:rms109i
rms.user=rms10
rms.password=rettek
rmsmaxconn=15
rms.driver=oracle.jdbc.driver.OracleDriver

Set to disable rfx in the batch. Will use SQL instead
disablerfx=true

Set to the rfx executable
rfxpath=C:\\dev\\rpm\\rfxFake.bat

Note: disablerfx and rfxpath in the db.properties file should not be changed.

Reload the Default OC4J Application

Note: OC4J must be reloaded in order for the changes made to db.properties to take effect.

1. Stop the default OC4J container by issuing the following command in \$J2EE_HOME:

```
> java -jar admin.jar ormi:///<server_name>/ <admin_id> <admin_password> -  
shutdown -force
```

Note: <server_name> is the name of the server or its IP address. <admin_id> and <admin_password> are the administration username and password supplied during the OC4J install.

Example: java -jar admin.jar ormi:/retekdev10/ admin
admin -shutdown -force

2. To start the default OC4J container, issue the following command in \$J2EE_HOME:

```
java -jar $J2EE_HOME/oc4j.jar &
```

"Oracle Application Server Containers for J2EE 10g (9.0.4.0.0) initialized" prompt means the container has started

3. Load the new OC4J application by entering the following URL in a browser:

```
http://<server>:<port>/<product>
```

- server = name or IP address of the web server OC4J is running on
- port = port number set in default-web-site.xml above
- product = value of root in the web-app element of default-web-site.xml above

Example: http://server:8388/rpm

Applying Source Code

If customizations have been made to RPM, the 10.1.7 source code can be compiled and applied to the application. Compile the .java source code included on this CD, then, place the generated .class files into the appropriate directory locations.

Before applying the patch source files over existing code:

- Note whether customizations have been made to the module. If so, then 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).

Back up the existing RPM class files before copying over the 10.1.7 class files in order to refer to them at a later date if necessary.