

Oracle® Retail Warehouse Management System
Installation Guide
Release 13.0.4

May 2010

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Oracle Retail Warehouse Management System, Installation Guide, Release 13.0.4

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document.

Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

Note: Before sending us your comments, you might like to check that you have the latest version of the document and if any concerns are already addressed. To do this, access the new Applications Release Online Documentation CD available on My Oracle Support and www.oracle.com. It contains the most current Documentation Library plus all documents revised or released recently.

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Please give your name, address, electronic mail address, and telephone number (optional).

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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 Warehouse Management System Release 13.0.4 documentation set:

- *Oracle Retail Warehouse Management System Release Notes*

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

<https://support.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

When you install the application for the first time, you install either a base release (for example, 13.1) or a later patch release (for example, 13.1.2). If you are installing the base release and additional patch and bundled hot fix releases, read the documentation for all releases that have occurred since the base release before you begin installation.

Documentation for patch and bundled hot fix releases can contain critical information related to the base release, as well as information about code changes since the base release.

Oracle Retail Documentation on the Oracle Technology Network

Documentation is packaged with each Oracle Retail product release. Oracle Retail product documentation is also available on the following Web site:

http://www.oracle.com/technology/documentation/oracle_retail.html

(Data Model documents are not available through Oracle Technology Network. These documents are packaged with released code, or you can obtain them through My Oracle Support.)

Documentation should be available on this Web site within a month after a product release.

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.”

This is a code sample

It is used to display examples of code

Preinstallation Tasks

Check Database Server Requirements

General Requirements for a database server running RWMS include:

Supported on 10gR2 and 11gR2	Versions Supported:
Database Server OS	<p>OS certified with Oracle Database 10gR2 Enterprise Edition or Oracle Database 11g Release 2 (11.2.0.1) Enterprise Edition. Options are:</p> <ul style="list-style-type: none"> ▪ AIX 5.3 ▪ AIX 6.1 TL04 ▪ Solaris 10 (Sparc) (Actual hardware or Logical Domains) ▪ Oracle Enterprise Linux 4 Update 5 (x86-64) ▪ Red Hat Enterprise Linux 4 Update 5 (x86-64) ▪ Oracle Enterprise Linux 5 Update 3 (x86-64) ▪ Red Hat Enterprise Linux 5 Update 3 (x86-64) ▪ HP-UX 11.23 (Itanium 64-bit) ▪ HP-UX 11.31 (Itanium 64-bit)
Database Server (10gR2)	<p>Oracle Database 10g Release 2 Enterprise Edition (10.2.0.4 patchset required) with the following components:</p> <ul style="list-style-type: none"> ▪ Oracle Database 10g ▪ Oracle Partitioning ▪ Oracle Net Services ▪ Oracle Call Interface (OCI) ▪ Oracle Programmer ▪ Oracle XML Development Kit ▪ Companion CD <p>Patches:</p> <ul style="list-style-type: none"> ▪ 10.2.0.4 patchset: 6810189 ▪ AIX oneoff patch: 6154596 (PRO*C THROWS PCC-2014 WHEN DIAGNOSTIC DIRECTIVE #WARNING IS USED). <p>Others components:</p> <ul style="list-style-type: none"> ▪ Perl compiler 5.0 or later ▪ X-Windows interface

Supported on 10gR2 and 11gR2

Versions Supported:

Database Server (11gR2)

Oracle Database 11g Release 2 (11.2.0.1) Enterprise Edition with the following components:

- Oracle Partitioning
- Example CD

Patches:

- 9582272 - ORA-600 [KKDLREADONDISKDEFVAL: ERROR] OCCURS WHEN ALTER TRIGGER IS EXECUTED.

The following two patches need to be applied together in order to correct the JDBC bug:

- 9367425 -- PROCESS CRASHED WHEN USING 11GR2 JDBC/OCI
- 9495959 -- HANG WHEN TWO THREADS TRY TO CREATE THE ENV HANDLE AT THE SAME

Others components:

- Perl compiler 5.0 or later
 - X-Windows interface
-

Verify Single Sign-On

If a Single Sign-On is to be used, verify the Oracle Infrastructure Server 10g version 10.1.2 server has been installed. Verify that the mid-tier server hosting Oracle Forms is registered with the Infrastructure Oracle Internet Directory.

Check Application Server Requirements

General requirements for an application server capable of running RWMS include:

Supported on:	Versions Supported:
Application Server OS	OS certified with Oracle Application Server 10g version 10.1.2.2. Options are: <ul style="list-style-type: none"> ▪ AIX 5.3 ▪ AIX 6.1 TL04 ▪ Solaris 10 (Sparc) (Actual hardware or Logical Domains) ▪ Oracle Enterprise Linux 4 Update 5 (x86-64) ▪ Red Hat Enterprise Linux 4 Update 5 (x86-64) ▪ Oracle Enterprise Linux 5 Update 3 (x86-64) ▪ Red Hat Enterprise Linux 5 Update 3 (x86-64) ▪ HP-UX 11.23 (Itanium 64-bit) ▪ HP-UX 11.31 (Itanium 64-bit)
Application Server	Oracle Application Server Forms and Reports 10g version 10.1.2.2 Patches: <ul style="list-style-type: none"> ▪ 5861907 (IAS 10.1.2.2 PATCHSET UPDATES ORACLEHOMEPROPERTIES.XML WITH WRONG ARU_ID & ARU_I) ▪ 5632264 (NEED UPDATED TIMEZONE FILES (VERSION 4) FOR MORE DST RULE CHANGES)

Note: If installing on HP please refer to the following document on My Oracle Support: Doc ID 367577.1.

Check Web Browser and Client Requirements

General requirements for client running RWMS include:

Requirement	Version
Operating system	Windows 2000 or XP
Display resolution	1024x768
Processor	Pentium processor (minimum 450 MHz)
Memory	minimum of 256 MB RAM
Sun JRE Plug-in	1.4.1+
Browser	Microsoft Internet Explorer version 7.0

Handheld Requirements

Windows CE 5.0 handhelds with the following screen sizes

- Hand held: 240 x 320
- Wrist mount: 320 x 240
- Truck mount – full screen: 800 x 600
- Truck mount – half screen: 800 x 320

Software Required on Handhelds

- Remote Desktop Client (aka Microsoft Terminal Services Client)
- DataWedge (software provided by and maintained by Motorola for use with the barcode scanners)

Supported Oracle Retail Products

Requirement	Version
Oracle Retail Merchandising System (RMS)	13.0.4
SIM	13.0.4

Database Upgrade Instructions

This chapter describes how you can upgrade the RWMS database with this patch release.

Before You Begin

Before you apply the RWMS 13.0.4 patch:

- Make a backup of all your objects and database schema.
- Check that RWMS 13.0.3 is installed.
- Review the enclosed RWMS 13.0.4 Release Notes.

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).
- 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: These instructions refer to RWMS13DEV as the Oracle owning schema.

Copy from the CD Directory

1. Copy the `rwms1304dbpatch.zip` file from the `CD/dbserverunix` directory to a newly created staging directory on your UNIX server.
2. Unzip the file using the following command:

```
unzip rwms1304dbpatch.zip
```

Update RIB Database Objects

1. Change directories to the `<staging area>/rib_objects`.
2. Log on to SQL* Plus as RWMS13DEV, and run the following command:

```
SQL> @InstallAndCompileAllRibOracleObjects.sql
```
3. Please follow the instructions given by the script.

Update RWMS Database Objects

1. Change directories to the <staging area>/db_objects.
2. Log on to SQL*Plus as RWMS13DEV, and run the following command:
SQL> @patch1304rwms.sql
3. Check the log file patch1304rwms.log for any errors.

Validate all Invalid Objects

Note: Deadlocked objects may appear when running this script. Run the script until no more invalid objects remain.

1. Change directories to <INSTALL_DIR>/utility.
2. Log on to SQL*Plus as RWMS13DEV, and run the following command:
SQL> @inv_obj_comp.sql
You may need to run this script more than once.

Update Data for RWMS

Note: Ensure that your NLS_LANG has been set to a valid UTF8.

1. Change directories to the <staging area>/data.
2. Log on to SQL*Plus as RWMS13DEV, and run the following command:
SQL> @patch1304lang.sql
3. Check the log file patch1304lang.log for any errors.

Application Server Installation Tasks

Note: INSTALL_DIR is the directory where the RWMS files are extracted from its tar file.

ORACLE_HOME is the location where Oracle Application Server 10g (10.1.2.2) has been installed

It is assumed that Oracle Application Server 10g version 10.1.2.2 (OAS) has already been installed.

Compile RWMS Oracle Forms

There is just one form in this patch release which is return_processing_s.fmb.

Copy from the CD Directory

1. Copy the rwms1304apppatch.zip file from the CD/appserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file using the following command:

```
unzip rwms1304apppatch.zip
```

Set Environment Variables

Note: ORACLE_HOME is the location where Oracle Application Server 10g (10.1.2.2) has been installed.

1. Logon to the application server as the oretail user,
2. Set the DISPLAY variable to the IP address plus ":0.0" (ie: 10.1.1.1:0.0) of the application server.
3. Set the following variables:
All OS Platforms
 - PATH=\$ORACLE_HOME/bin:\$ORACLE_HOME/opmn/bin:\$ORACLE_HOME/dcm/bin:INSTALL_DIR/forms_scripts:\$PATH
 - CLASSPATH=\$ORACLE_HOME/jlib/importer:\$ORACLE_HOME/jlib/debugger.jar:\$ORACLE_HOME/jlib/utj.jar:\$ORACLE_HOME/jlib/ewt3.jar:\$ORACLE_HOME/jlib/share.jar:\$ORACLE_HOME/jlib/dfc.jar:\$ORACLE_HOME/jlib/help4.jar:\$ORACLE_HOME/jlib/oracle_ice.jar:\$ORACLE_HOME/jlib/jewt4.jar
 - FORMS_BUILDER_CLASSPATH=\$CLASSPATH
 - FORMS_PATH=INSTALL_DIR/rwms/forms/bin:\$ORACLE_HOME/forms
 - REPORTS_PATH=INSTALL_DIR/rwms/reports/bin:\$ORACLE_HOME/forms
 - TK_UNKNOWN==\$ORACLE_HOME/guicommon/tk/admin
 - UP=<RWMS schema owner>/<RWMS schema password>@<RWMS database>

Note: Verify that TNS is set up correctly by using the UP variable to successfully log into the RWMS 13 schema.

Example: /u00/oracle> sqlplus \$UP

RWMS Forms Installation

1. Copy the form (*.fmb file) in the <staging area>/forms/src directory to the INSTALL_DIR/rwms/forms/bin directory.
2. Run forms.fmb.sh (in INSTALL_DIR/rwms/forms/bin) to generate the RWMS runtime form – .fmx's.
3. Check to make sure that the form .fmb file has a corresponding .fmx file.