

Oracle® Retail Warehouse Management System
Installation Guide
Release 13.0.2

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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 13.0.2 documentation set:

- *Oracle Retail Warehouse Management System Release Notes*
- *Oracle Retail Warehouse Management System Data Model*
- *Oracle Retail Warehouse Management System Radio Frequency User Guide*
- *Oracle Retail Warehouse Management System User Interface User Guide*
- *Oracle Retail Warehouse Management System Operations Guide*

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:
<https://metalink.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

If you are installing the application for the first time, you install either a base release (for example, 13.0) or a later patch release (for example, 13.0.2). If you are installing a software version other than the base release, be sure to read the documentation for each patch release (since the base release) before you begin installation. Patch documentation can contain critical information related to the base release and code changes that have been made since the base release.

Oracle Retail Documentation on the Oracle Technology Network

In addition to being packaged with each product release (on the base or patch level), all Oracle Retail documentation is available on the following Web site (with the exception of the Data Model which is only available with the release packaged code):

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

Documentation should be available on this Web site within a month after a product release. Note that documentation is always available with the packaged code on the release date.

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.

Preinstallation Tasks

Check Database Server Requirements

General Requirements for a database server running RWMS include:

Supported on:	Versions Supported:
Database Server OS	<p>OS certified with Oracle Database 10g Enterprise Edition. Options are:</p> <ul style="list-style-type: none"> ▪ Oracle Enterprise Linux 4.5 ▪ Solaris 10 (SPARC) ▪ HP-UX 11.31 (Integrity) ▪ AIX 5.3
Database Server	<p>Oracle Database 10g Release 2 Enterprise Edition (minimum 10.2.0.3 patchset required) with the following patches and components:</p> <p>Patches:</p> <ul style="list-style-type: none"> ▪ 5397953 (ORA-07445: [KKPAPITGETALL()+2152] [SIGSEGV] [ADDRESS NOT MAPPED TO OBJECT] [0X34]) ▪ 5648872 (SCHEDULER ORA-07445 [OPIDSA()+321] WHEN SETTING UP CHAIN TEST) ▪ 5921386 (WRONG RESULT WITH MERGE JOINT OUTER IN THE EXECUTION PLAN) <p>RAC Only</p> <ul style="list-style-type: none"> ▪ 5721821 (ORA-7445[KGLOBCL] OCCURED AND INSTANCE WENT DOWN) <p>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 <p>ANSI compliant C compiler (certified with OS and database version)</p> <p>Perl compiler 5.0 or later</p> <p>x-Windows interface</p>

Verify Single Sign-On

If a Single Sign-On is to be used, verify the Oracle Infrastructure Server 10g version 10.1.2.2 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"> ▪ Oracle Enterprise Linux 4.5 ▪ Solaris 10 (SPARC) ▪ HP-UX (Integrity) ▪ AIX 5.3
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 Metalink Note 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+
Microsoft Internet Explorer	version 5.5, 6.0 and higher

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)	13.0.2
SIM	13.0.2

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 13.0.2 patch:

- Make a backup of all your objects and database schema.
- Check that RWMS 13.0.1 is installed.
- Review the enclosed RWMS 13.0.2 Patch Release Notes (rwms-1302-rn.pdf).
- Review each of the enclosed defect 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).
- 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.

Mount CD-ROM on the Database Server

1. Copy the rwms1302dbpatch.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 rwms1302dbpatch.zip
```

Update RIB Database Objects

1. Change directories to the <staging area>/rib_objects/src.
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 Types

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

```
SQL> @patch1302types.sql
```
3. Check the log file patch1302types.log for any errors.

Update RWMS DDL

1. Change directories to the <staging area>/dbcs.
2. Log on to SQL* Plus as RWMS13DEV, and run the following command:
SQL> @patch1302dbcs.sql
3. Check the log file patch1302dbcs.log for any errors.

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> @patch1302rwms.sql
3. Check the log file patch1302rwms.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> @base_reports_parameters.sql
3. Log on to SQL*Plus as RWMS13DEV, and run the following command:
SQL> @I18N_main_script.sql
4. Check the log file I18N_main_script.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 and Reports

Mount CD-ROM on the Application Server

1. Copy the rwms1302apppatch.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 rwms1302apppatch.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 all libraries (.pll files) in the <staging area>/forms/src directory to the directories to the INSTALL_DIR/forms/bin directory.
2. Change directories to INSTALL_DIR/rwms/forms/bin.
3. Run forms.pll.sh to compile all RWMS .pll's.
4. Check to make sure that each .pll file has a corresponding .plx (to ensure that all .pll's compiled successfully).

Note: message36.pll and stand36.pll do not create plx files.

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

Note: gui_library.fmb does not create an fmx and does not compile.

8. Copy all menus (*.mmb files) in the <staging area>/forms/src directory to the INSTALL_DIR/rwms/forms/bin directory.
9. Run menus.mmb.sh (in INSTALL_DIR/rwms/forms/bin) to generate RWMS runtime menus (.mmx's).
10. Check to make sure that each .mmb file has a corresponding .mmx file.
11. Remove all .mmb files from INSTALL_DIR/rwms/forms/bin.

Reports (*.rdf)

Copy all reports (*.rdf files) in the <staging area>/reports/src directory to the INSTALL_DIR/rwms/forms/bin directory.

Help Files

To redeploy the rwms ear file:

1. Click on the rwms help instance.
2. Click on the Applications tab.
3. Click on Deploy WAR file.
4. For "J2EE Application" enter the location of the ear file or use the browse feature.

Note: This is from the PC and not from the server.

5. Enter "rwms-help" for the Application Name.
6. Enter "/rwms-help" for the Map to URL.
7. Click Continue.
8. Accept Defaults and Deploy.