

Oracle® Retail Merchandising System

Installation Guide

Release 12.0.2

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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 Merchandising System Release 12.0.2 documentation set:

- Oracle Retail Merchandising System Release Notes
- Oracle Retail Merchandising System Online Help and User Guide
- Oracle Retail Merchandising System Operations Guide - Volume 1 - Batch Overviews and Designs
- Oracle Retail Merchandising System Batch Schedule
- Oracle Retail Merchandising System Data Model

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.

Pre-Installation Tasks

Check Database Server Requirements

General Requirements for a database server running RMS include:

- UNIX based OS certified with Oracle RDBMS 10g Enterprise Edition (options are AIX5.2, AIX5.3, Solaris 9 (SPARC), and HP-UX 11.23 (PARISC))
- Oracle RDBMS 10g Release 2 Enterprise Edition (minimum 10.2.0.2.0 patchset required) with the following patches and components:

Patches:

- 5087548 (POST 10.2.0.2 PERMISSIONS ARE STILL WRONG FOR NETWORK/ADMIN AND LDAP DIRECTORIES)

Components:

- Oracle Database 10g
- Oracle Partitioning
- Oracle Net Services
- Oracle Call Interface (OCI)
- Oracle Programmer
- Oracle XML Development Kit
- ANSI compliant C compiler (certified with OS and database version)
- Perl compiler 5.0 or later
- x-Windows interface

Check Application Server Requirements

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

- UNIX based OS certified with Oracle Application Server 10g version 10.1.2.0.2 (options are AIX5.2, AIX5.3, Solaris 9 (SPARC), and HP-UX 11.23 (PARISC))
- Oracle Application Server Forms and Reports 10g version 10.1.2.0.2

Check Web Browser and Client Requirements

General requirements for client running RMS include:

- JRE Plug-in:
 - Sun JRE Plug-in 1.4.1+
- Client PCs:
 - Windows 2000 or XP with Pentium processor
 - 1024x768 resolution
 - PC Configuration (minimum 256 MB RAM, 450 MHz)
 - Internet Explorer 5.5, 6.0 and higher

Database Installation Tasks

Before you apply the RMS 12.0.2 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 12.0.1 is installed.
- Review the enclosed RMS 12.0.2 Patch Release Notes (rms-1202-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).
- 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 RMS12DEV as the Oracle owning schema.

Mount CD-ROM on the Database Server

1. Copy the rms1202dbpatch.zip file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:
`unzip rms1202dbpatch.zip`

Alter Pricing Objects

Alter Pricing Types

1. Change directories to STAGING_AREA/pricing/types
2. Log into sqlplus as RMS12DEV and run the following command:
`SQL> @pricing1202type.sql`
3. Check the log file pricing1202type.log for any errors noting that ORA-04043 errors and warnings are to be ignored.

Alter Pricing DDL

1. Change directories to STAGING_AREA/pricing/dbcs
2. Log into sqlplus as RMS12DEV and run the following command:
`SQL> @pricing1202dbcs.sql`
3. Check the log file pricing1202dbcs.log for any errors.

Alter Pricing Objects

1. Change directories to STAGING_AREA/pricing/db_objects.
2. Log into sqlplus as RMS12DEV and run the following command:
SQL> @pricing1202rms.sql
3. Check the log file pricing1202rms.log for any errors noting that ORA-04043 errors are to be ignored.

Alter Pricing Data

1. Change directories to STAGING_AREA/pricing/data.
2. Log into sqlplus as RMS12DEV and run the following command:
SQL> @pricing1202ctl.sql
3. 3 Check the log file pricing1202ctl.log for any errors.

Alter RMS Objects

Alter RMS Tables

1. Change directories to STAGING_AREA/dbcs
2. Log into sqlplus as RMS12DEV and run the following command:
SQL> @patch1202dbcs.sql
3. Check the log file patch1202dbcs.log for any errors

Alter RMS Database Objects

1. Change directories to STAGING_AREA/db_objects
2. Log into sqlplus as RMS12DEV and run the following command:
SQL> @patch1202rms.sql
3. Check the log file patch1202rms.log for any errors.

Validate all Invalid Objects

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

1. Change directories to STAGING_AREA/utility
2. Log into sqlplus as RMS12DEV and run the following command:
SQL> @inv_obj_comp.sql
3. This script may need to be run more than once.

Update Data for RMS

1. Change directories to STAGING_AREA/data
2. Log into sqlplus as RMS12DEV and run the following command:
SQL> @patch1202ctl.sql
3. Check the log file patch1202ctl.log for any errors.

Insert Secondary Language Data

Note: These scripts are only for customers who wish to have a primary language of English and a secondary language of any combination of the following: German, Spanish, French, Korean, Brazilian Portuguese, Japanese, Russian, Simplified Chinese or Traditional Chinese.

1. Change directories to STAGING_AREA/data/lang
2. Log into sqlplus as RMS12DEV and run the following command:
SQL> @patch1202ctl_<lang>_sec.sql
3. Check the log file patch1202ctl_<lang>_sec.log for any errors.
 - <lang> is the country code for the language you wish to install.
 - de – German
 - es – Spanish
 - fr – French
 - ja – Japanese
 - ko – Korean
 - ptb – Brazilian Portuguese
 - ru – Russian
 - zhs – Simplified Chinese
 - zht – Traditional Chinese

Insert Primary Language Data

Note: These scripts are only for customers who wish to have a primary language of one of the following: German, Spanish, French, Korean, Brazilian Portuguese, Japanese, Russian, Simplified Chinese or Traditional Chinese.

1. Change directories to STAGING_AREA/data/lang
2. Log into sqlplus as RMS12DEV and run the following command:
SQL> @patch1202ctl_<lang>_prim.sql
3. Check the log file patch1202ctl_<lang>_prim.log for any errors.
 - <lang> is the country code for the language you wish to install.
 - de – German
 - es – Spanish
 - fr – French
 - ja – Japanese
 - ko – Korean
 - ptb – Brazilian Portuguese
 - ru – Russian
 - zhs – Simplified Chinese
 - zht – Traditional Chinese

Update RETL for RDW

Note: These steps only needs to be done if you are using RDW.

1. Change directories to STAGING_AREA/retrlforRDW/rfx/
2. Copy all the files from this directory to retl install
`cp -R * INSTALL_DIR/retrl/rfx`

Compile RMS Batch Libraries and Programs

Note: Warning messages may appear during the compilation of the batch. These warnings can be ignored if the batch executables are successfully generated.

Set Environment Variables

1. Make sure the following variables are set:

Note: INSTALL_DIR is the location where RMS 12 was installed.

Make sure the path for make, makedepend, and the compiler are in \$PATH environment variable.

- MMHOME=INSTALL_DIR/rms
- MMUSER=RMS Schema Owner
- PASSWORD=RMS Schema Owner Password
- ORACLE_HOME=Location of Oracle install
- ORACLE_SID=The Oracle Sid for the RMS database

AIX:

- LIBPATH=\$ORACLE_HOME/lib:\$MMHOME/oracle/lib/bin:\$LDPATH
- OBJECT_MODE=64
- LINK_CNTRL=L_PTHREADS_D7

HP:

- SHLIB_PATH=\$ORACLE_HOME/lib:\$MMHOME/oracle/lib/bin:
- \$SH_LIBPATH

Solaris:

- LD_LIBRARY_PATH=\$ORACLE_HOME/lib:
\$MMHOME/oracle/lib/bin:\$LD_LIBRARY_PATH

Compile Batch Libraries

1. Copy the files from STAGING_AREA/batch/lib/src to INSTALL_DIR/rms/oracle/lib/src
2. Change directories to INSTALL_DIR/rms/oracle/lib/src
3. To make library dependencies run this command
 - `make -f retek.mk depend 2>&1 | tee libdpnd.log`
 - Check the libdpnd.log file for errors
4. To make batch libraries
 - `make -f retek.mk retek rms resa 2>&1 | tee libretek.log`
 - Check the libretek.log file for errors
5. To install batch libraries
 - `make -f retek.mk install`
 - The batch libraries should now be in INSTALL_DIR/rms/oracle/lib/bin

Compile Batch Source Code

1. Copy the files from STAGING_AREA/batch/proc/src to INSTALL_DIR/rms/oracle/proc/src
2. Change directories to INSTALL_DIR/rms/oracle/proc/src
3. To make dependencies run the following command:
 - `make -f mts.mk rms-depend recs-depend rtm-depend resa-depend 2>&1 | tee srcdpnd.log`
 - Check the srcdpnd.log file for errors
4. To make batch programs run the following commands in the order stated.
 - `make -f rms.mk PRODUCT_PROCFLAGS=dynamic=ansi ditinsrt`
 - `make -f mts.mk rms-ALL recs-ALL resa-ALL rtm-ALL 2>&1 | tee srcall.log`
 - Check the srcall.log file for errors
5. To install batch programs
 - `make -f mts.mk rms-install recs-install resa-install rtm-install`
 - The batch programs should now be in INSTALL_DIR/rms/oracle/proc/bin

Application Server Installation Tasks

Mount CD-ROM on the Database Server

1. Copy the rms1202apppatch.zip file from the CD /appserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:
unzip rms1202apppatch.zip

Set Environment Variables

Note: ORACLE_HOME is the location where Oracle Application Server 10g (10.1.2.0.2) has been installed

1. Set the DISPLAY variable to the IP address plus ":0.0" (ie: 10.1.1.1:0.0) of the application server.
2. Set the following variables:

Note: ORACLE_HOME is the location where Oracle Application Server 10g (10.1.2.0.2) has been installed

- All OS Platforms
 - PATH=\$ORACLE_HOME/bin:\$ORACLE_HOME/opmn/bin:\$ORACLE_HOME/dcm/bin:INSTALL_DIR/forms10gr2_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/toolset/bin:INSTALL_DIR/rms/forms/bin:\$ORACLE_HOME/forms
 - REPORTS_PATH=INSTALL_DIR/rms/reports/bin:\$ORACLE_HOME/forms
 - TK_UNKNOWN==\$ORACLE_HOME/guicommon/tk/admin
 - UP=<RMS schema owner>/<RMS schema password>@<RMS database>

Note: Verify that TNS is set up correctly by using the UP variable to successfully log into the RMS 12 schema.

Example: /u00/oracle> sqlplus \$UP

- Solaris
 - LD_LIBRARY_PATH=\$ORACLE_HOME/lib:\$ORACLE_HOME/jdk/jre/lib/sparc:\$ORACLE_HOME/jdk/jre/lib/sparc/native_threads
- HP-UX
 - SHLIB_PATH=\$ORACLE_HOME/lib32:\$ORACLE_HOME/lib:\$ORACLE_HOME/jdk/jre/lib/PA_RISC:\$ORACLE_HOME/jdk/jre/lib/PA_RISC/server
- AIX
 - LD_LIBRARY_PATH=\$ORACLE_HOME/lib:\$ORACLE_HOME/lib32:\$ORACLE_HOME/jdk/jre/lib
 - LIBPATH=\$LD_LIBRARY_PATH

RMS Toolset Installation

1. Copy all libraries (.pll files) in the INSTALL_DIR/toolset/src directory to the INSTALL_DIR/toolset/bin directory.
2. Change directories to INSTALL_DIR/toolset/bin.
3. Run pll2plx10gr2_toolset to compile all Toolset .pll's.

Note: If the pll2plx10gr2_toolset script is not used and the libraries are compiled individually, then they must be compiled in the following order (which is noted in the pll2plx10gr2_toolset script):

- messge45.pll
- ariiflib.pll
- stand45.pll
- calend45.pll
- find45.pll
- item45.pll
- tools45.pll
- mblock45.pll
- mview45.pll
- nav45.pll
- work45.pll
- itnumtype.pll
- hierfilter.pll
- rmslib.pll

4. Check to make sure that each .pll file has a corresponding .plx (to ensure that all .pll's compiled successfully).
5. Remove all newly created .plx files.
6. Copy all forms (*.fmb files) in the INSTALL_DIR/toolset/src directory to the INSTALL_DIR/toolset/bin directory.
7. Run fmb2fmx10gr2_fm (in INSTALL_DIR/toolset/bin) to compile the Toolset reference forms.
8. Remove all newly created fm_*.fmx files (reference forms should not have executable files).
9. Run fmb2fmx10gr2 (in INSTALL_DIR/toolset/bin) to generate Toolset runtime forms – .fmx's.
10. Check to make sure that each non-reference form (.fmb file) has a corresponding .fmx file. **Note:** Disregard fm_*.fmx files should they be created. These files should be removed. They should NOT exist in the INSTALL_DIR/toolset/bin directory.
11. Remove all non-reference form forms from INSTALL_DIR/toolset/bin; the following syntax will leave all reference forms (fm_*.fmb) in the bin directory, while removing all other forms:


```
> for PROG in `ls *.fmb | grep -v fm_`
> do PROGNAME=`echo $PROG`
> rm $PROGNAME
> done
```
12. Copy all menus (*.mmb files) in the INSTALL_DIR/toolset/src directory to the INSTALL_DIR/toolset/bin directory.
13. Run mmb2mmx10gr2 (in INSTALL_DIR/toolset/bin) to generate Toolset runtime menus – .mmx's.
14. Check to make sure that each .mmb file has a corresponding .mmx file.

Note: Should .err files be created by the compilation scripts above, these files are logs of the compilation process and can be removed.
15. Remove all .mmb files from INSTALL_DIR/toolset/bin.

RMS Forms Installation

1. Copy all the files from STAGING_AREA/forms/src to INSTALL_DIR/rms/forms/src
2. Copy all libraries (.pll files) in the INSTALL_DIR/rms/forms/src directory to the directories to the INSTALL_DIR/rms/forms/bin directory.
3. Change directories to INSTALL_DIR/rms/forms/bin.
4. Run pll2plx10gr2_forms to compile all RMS .pll's.
5. Check to make sure that each .pll file has a corresponding .plx (to ensure that all .pll's compiled successfully). Remove all newly created .plx files.
6. Copy all forms (*.fmb files) in the INSTALL_DIR/rms/forms/src directory to the INSTALL_DIR/rms/forms/bin directory.
7. Run fmb2fmx10gr2_fm (in INSTALL_DIR/rms/forms/bin) to compile the RMS reference forms.
8. Remove all newly created fm_*.fmx files (reference forms should not have executable files).

9. Run `fmb2fmx10gr2` (in `INSTALL_DIR/rms/forms/bin`) to generate RMS runtime forms – `.fmx`'s.
10. Check to make sure that each non-reference form `.fmb` file has a corresponding `.fmx` file.

Note: Disregard `fm_*.fmx` files should they be created. These files should be removed. They should NOT exist in the `INSTALL_DIR/rms/forms/bin` directory.

11. Remove all non-reference form forms from `INSTALL_DIR/rms/forms/bin`; the following syntax will leave all reference forms (`fm_*.fmb`) in the bin directory, while removing all other forms:

```
> for PROG in `ls *.fmb | grep -v fm_`  
> do PROGNAME=`echo $PROG`  
> rm $PROGNAME  
> done
```
12. Copy all menus (`*.mmb` files) in the `INSTALL_DIR/rms/forms/src` directory to the `INSTALL_DIR/rms/forms/bin` directory.
13. Run `mmb2mmx10gr2` (in `INSTALL_DIR/rms/forms/bin`) to generate RMS runtime menus – `.mmx`'s.
14. Check to make sure that each `.mmb` file has a corresponding `.mmx` file.
15. Remove all `.mmb` files from `INSTALL_DIR/rms/forms/bin`.

Note: Should `.err` files be created by the compilation scripts above, these files are logs of the compilation process and can be removed.

Update Helpfiles

1. Change directories to `STAGING_AREA/web_html`
2. Copy all the files from this directory to `INSTALL_DIR/web_html`
`cp -R * INSTALL_DIR/web_html`