

Oracle® Retail Merchandising System
Installation Guide
Release 10.1.25
E22639-01

July 2011

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Oracle Retail Merchandising System, Installation Guide, Release 10.1.25

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).

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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 10.1.25 documentation set:

- *Oracle Retail Merchandising 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 RMS include the following:

Supported on 10gR2	Versions Supported:
Database Server OS for 10gR2	OS certified with Oracle Database 10gR2 Enterprise Edition. Options are: <ul style="list-style-type: none">▪ AIX 5.3▪ Solaris 10 (Sparc)▪ HP-UX 11.31 (Itanium)
Database Server	Oracle Database 10g Release 2 Enterprise Edition (10.2.0.4 patchset required) with the following components: <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▪ ANSI compliant C compiler (certified with OS and database version) Patches: <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). Other components: <ul style="list-style-type: none">▪ Perl compiler 5.0 or later▪ X-Windows interface

Supported on 11gR2	Versions Supported:
Database Server OS for 11gR2	OS certified with Oracle Database 11gR2 (11.2.0.2) Enterprise Edition. Options are: <ul style="list-style-type: none"><li data-bbox="752 375 882 403">▪ AIX 5.3<li data-bbox="752 409 882 437">▪ AIX 6.1<li data-bbox="752 443 980 470">▪ Solaris 10 (Sparc)<li data-bbox="752 477 1046 504">▪ HP-UX 11.31 (Itanium)
Database Server	Oracle Database 11g Release 2 (11.2.0.2) Enterprise Edition with the following components: <ul style="list-style-type: none"><li data-bbox="752 587 997 614">▪ Oracle Partitioning<li data-bbox="752 620 931 648">▪ Example CD <p data-bbox="752 656 845 684">Patches:</p> <p data-bbox="752 690 1356 718">10170431: CTWR CONSUMING LOTS OF CPU CYCLES.</p> <p data-bbox="752 726 964 753">Other components:</p> <ul style="list-style-type: none"><li data-bbox="752 760 1062 787">▪ Perl compiler 5.0 or later<li data-bbox="752 794 1013 821">▪ X-Windows interface<li data-bbox="752 827 1339 876">▪ ANSI compliant C compiler (certified with OS and database version)

The following change should be made on your database server:

Go to the \$ORACLE_HOME/dbs/initpfile.ora and append the pfile with the following parameter:

`_allow_level_without_connect_by=true`

Check Application Server Requirements

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

Supported on:	Versions Supported:
Application Server OS	OS certified with Oracle Application Server 10g 10.1.2.2. Options are: <ul style="list-style-type: none"> ▪ AIX 5.3 ▪ AIX 6.1 ▪ Solaris 10 (Sparc) ▪ HP-UX 11.31 (Itanium)
Application Server	Oracle Application Server 10g 10.1.2.3 with the following patches: <ul style="list-style-type: none"> ▪ 5632264 (NEED UPDATED TIMEZONE FILES (VERSION 4) FOR MORE DST RULE CHANGES)

If you are having trouble with your Oracle Application Server Forms and Reports font size, use the following procedure to correct the problem.

The following change should be made on your application server:

Add the following Tag in the basejini.htm file found in the "%ORACLE_HOME%\forms<xx>]\server" folder.

```
<PARAM NAME = "mapFonts" VALUE = "yes" >
```

Note: The above-mentioned tag (mapFonts) is applicable only for Oracle Application Server Forms and Reports 10g version 10.1.2.2.0 (AIX5.3).

Check Web Browser and Client Requirements

General requirements for client running RMS include:

Requirement	Version
Operating system	Windows 2000 or XP
Display resolution	1024x768
Processor	Pentium processor (minimum 450 MHz)
Memory	minimum of 256 MB RAM
Jinitiator	1.3.1.26
Browser	Microsoft Internet Explorer version 7.0

Database Installation Tasks

Before you apply the RMS 10.1.25 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 10.1.24 is installed.
- Review the enclosed RMS 10.1.25 Patch Release Notes (rms-10125-rn.pdf).
- Review each of the enclosed defect documents.

Note: The previous tech stack should work for this release.
These install instruction refer to the new tech stack.

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 RMS10DEV as the Oracle owning schema.

Copy from CD Directory

1. Copy the rms10125dbpatch.zip file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:
`unzip rms10125dbpatch.zip`

Alter RMS Objects

This section describes the tables and objects that must be adjusted.

Alter RMS Tables

To alter RMS tables, do the following.

1. Change directories to STAGING_AREA/dbcs.
2. Log into sqlplus as RMS10DEV and run the following command:
`SQL> @patch10125dbcs.sql`
3. Check the log file patch10125dbcs.log for any errors.

Alter RMS Database Objects

To alter RMS database objects, do the following.

1. Change directories to STAGING_AREA/db_objects.
2. Log into sqlplus as RMS10DEV and run the following command:
`SQL> @patch10125rms.sql`
3. Check the log file patch10125rms.log for any errors.

Validate all Invalid Objects

To validate invalid objects, do the following.

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 RMS10DEV 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

To update data for RMS, do the following.

1. Change directories to STAGING_AREA/data.
2. Log into sqlplus as RMS10DEV and run the following command:
SQL> @patch10125ctl.sql
3. Check the log file patch10125ctl.log for any errors.

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

To set environment variables, do the following.

1. Make sure the following variables are set:

Note: INSTALL_DIR is the location where RMS 10 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

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- LIBPATH=\$ORACLE_HOME/lib:\$MMHOME/oracle/lib/bin:\$LD_LIBRARY_PATH
- OBJECT_MODE=64
- LINK_CTRN=L_PTHREADS_D7

Compile Batch Source Code

To compile batch source code, do the following.

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 srccpnd.log`
4. Check the srccpnd.log file for errors.
5. 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`
for Oracle Enterprise Linux run the following commands:
`make -f rms.mk -r PRODUCT_PROCFLAGS=dynamic=ansi ditinsrt`
`make -f mts.mk -r rms-ALL recs-ALL resa-ALL rtm-ALL 2>&1 | tee srcall.log`
6. Check the srcall.log file for errors.
7. To install batch programs, run the following command:
`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

Note: If you have modified any forms, reports, or toolset libraries, make a backup copy so that you can reapply any custom modifications.

Copy from the CD Directory

To copy from the CD directory, do the following.

1. Copy the rms10125apppatch.zip file from the CD /appserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:

```
unzip rms10125apppatch.zip
```

Set Environment Variables

To set environment variables, do the following.

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

1. Set the DISPLAY variable to the IP address plus “:0.0” (for example, 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 (10.1.2.2) 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/bugger.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 10 schema.

Example: /u00/oracle> sqlplus \$UP

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- LD_LIBRARY_PATH=\$ORACLE_HOME/lib:\$ORACLE_HOME/lib32:\$ORACLE_HOME/jdk/jre/lib
- LIBPATH=\$LD_LIBRARY_PATH

Install RMS Forms

To install RMS forms, do the following.

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 leaves 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 (*.mmx 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 .mmx file has a corresponding .mmx file.
15. Remove all .mmx files from INSTALL_DIR/rms/forms/bin.

Note: .err files may be created by the compilation scripts above. These files are logs of the compilation process and can be removed.

Appendix: AIX Shared Library Bug Fix

Update the \$ORACLE_HOME/rdbms/lib/env_rdbms.mk file with below changes (in **Bold**). This only applies to AIX 10.2.0.4 and later.

The env_rdbms.mk file for Oracle 10g onward has Bug #2143531. This bug was not fixed because there is a workaround. For the workaround, the following changes in **bold/italic** need to be made to the \$ORACLE_HOME/rdbms/lib/env_rdbms.mk file. Notice that changes are made in both the BUILD_WITH_CONTEXT and BUILD_WITH_NO_CONTEXT functions.

```
-----
BUILDLIB_WITH_CONTEXT=generate_export_list() \
{ \
/bin/nm -X32_64 -B -h -g "$$1" | grep -v ' U ' | awk '{print $$3}' | \
egrep -v '^\.|^TOC' | sort | uniq ; \
}; \
generate_import_list() { \
LIB_NAME=$$1; \
IMP_FILE=$$2; \
\
cat ${ORACLE_HOME}/rdbms/lib/xa.imp | head -1 | awk '{print $$0, ". "}' > \
$$IMP_FILE; \
/bin/nm -X32_64 -C -B -h -g $$LIB_NAME | grep ' U ' | grep -v ":" | grep -v "(" \
| grep -v "\.cc" | awk '{print $$3}' | sed -e "s/\.\//g" \
" | grep -v "^_" >> $$IMP_FILE; \
}; \
\
generate_import_list "$OBJS" $(SHARED_LIBNAME).imp; \
generate_export_list $(OBJS) > $(SHARED_LIBNAME).exp; \
$(LD) -bnoentry -bM:SRE -bE:$(SHARED_LIBNAME).exp -bI:$(SHARED_LIBNAME).imp \
-o $(SHARED_LIBNAME) $(OBJS) -L$(ORACLE_HOME)/lib -lc_r -lm $(LIBCLNTSH) \
$(MATHLIB)
-----
BUILDLIB_NO_CONTEXT=generate_export_list() \
{ \
/bin/nm -X32_64 -B -h -g "$$1" | grep -v ' U ' | awk '{print $$3}' | \
egrep -v '^\.|^TOC' | sort | uniq ; \
}; \
generate_import_list() { \
LIB_NAME=$$1; \
IMP_FILE=$$2; \
\
cat ${ORACLE_HOME}/rdbms/lib/xa.imp | head -1 | awk '{print $$0, ". "}' > \
$$IMP_FILE; \
/bin/nm -X32_64 -C -B -h -g $$LIB_NAME | grep ' U ' | grep -v ":" | grep -v "(" \
| grep -v "\.cc" | awk '{print $$3}' | sed -e "s/\.\//g" \
" | grep -v "^_" >> $$IMP_FILE; \
}; \
\
generate_import_list "$OBJS" $(SHARED_LIBNAME).imp; \
generate_export_list $(OBJS) > $(SHARED_LIBNAME).exp; \
$(LD) -bnoentry -bM:SRE -bE:$(SHARED_LIBNAME).exp -bI:$(SHARED_LIBNAME).imp \
-o $(SHARED_LIBNAME) $(OBJS) -L$(ORACLE_HOME)/lib -lc_r -lm $(LIBCLNTSH) \
$(MATHLIB)
```