

**Oracle® Retail Merchandising System**  
Installation Guide  
Release 10.1.23

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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 10.1.23 documentation set:

- *Oracle Retail Merchandising System Release Notes*
- *Oracle Retail Merchandising System Operations Guide Addendum*
- *Oracle Retail Merchandising System Batch Schedule*

## 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](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.”

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

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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 RMS 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"> <li>▪ AIX 5.3</li> <li>▪ HP-UX 11.31 (Itanium)</li> <li>▪ Solaris 9 (SPARC)</li> </ul>
Database Server	<p>Oracle Database 10g Release 2 Enterprise Edition (minimum 10.2.0.4 patchset required) with the following patches and components:</p> <p>Patches (AIX only):</p> <ul style="list-style-type: none"> <li>▪ 6154596 (When trying to compile Pro*C program, it fails on AIX5)</li> </ul> <p>Components:</p> <ul style="list-style-type: none"> <li>▪ Oracle Database 10g</li> <li>▪ Oracle Partitioning</li> <li>▪ Oracle Net Services</li> <li>▪ Oracle Call Interface (OCI)</li> <li>▪ Oracle Programmer</li> <li>▪ Oracle XML Development Kit</li> </ul> <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>

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The following change should be made on your database server:

1. 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 Forms and Reports 10g version 10.1.2.2. Options are: <ul style="list-style-type: none"><li>▪ AIX 5.3</li><li>▪ HP-UX 11.31 (Itanium)</li><li>▪ Solaris 9 (SPARC)</li></ul>
Application Server	Oracle Application Server Forms and Reports 10g version 10.1.2.2 Patches: <ul style="list-style-type: none"><li>▪ 5632264 (NEED UPDATED TIMEZONE FILES (VERSION 4) FOR MORE DST RULE CHANGES)</li></ul>

---

The following change should be made on your application server

1. 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)

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## Check Web Browser and Client Requirements

General requirements for client running RMS include:

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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
Microsoft Internet Explorer	version 5.5, 6.0 and higher

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# Database Installation Tasks

Before you apply the RMS 10.1.23 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 10.1.22 is installed.
- Review the enclosed RMS 10.1.23 Patch Release Notes (rms-10123-rn.pdf).
- Review each of the enclosed defect documents.

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

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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.

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**Note:** These instructions refer to RMS10DEV as the Oracle owning schema.

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## Mount CD-ROM on the Database Server

1. Copy the rms10123dbpatch.zip file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:  
`unzip rms10123dbpatch.zip`

## Alter RMS Objects

### Alter RMS Types

1. Change directories to STAGING\_AREA/types.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10123types.sql`
3. Check the log file patch10123types.log for any errors.

### Alter RMS Tables

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**Note:** RMS\_TABLE\_RPM\_IEM\_AUDR.trg and RMS\_TABLE\_RPM\_ITL\_AUDR.trg should be run if you have RPM installed.

---

1. Change directories to STAGING\_AREA/dbcs.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10123dbcs.sql`
3. Check the log file patch10123dbcs.log for any errors.

## Alter RMS Database Objects

1. Change directories to STAGING\_AREA/db\_objects.
2. Log into sqlplus as RMS10DEV and run the following command:  
SQL> @patch10123rms.sql
3. Check the log file patch10123rms.log for any errors.

## Validate all Invalid Objects

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**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

1. Change directories to STAGING\_AREA/data.
2. Log into sqlplus as RMS10DEV and run the following command:  
SQL> @patch10123ctl.sql
3. Check the log file patch10123ctl.log for any errors.

## Compile RMS Batch Libraries and Programs

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**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:

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**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.

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- 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:\$LD\_LIBRARY\_PATH
- OBJECT\_MODE=64
- LINK\_CTRN=L\_PTHREADS\_D7

## 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`
4. Check the libdpnd.log file for errors
5. To make batch libraries, run this command:  
`make -f retek.mk retek rms resa 2>&1 | tee libretek.log`
6. Check the libretek.log file for errors
7. To install batch libraries, run this command:  
`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 srcdnnd.log`
4. Check the srcdnnd.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 rms.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 rms.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.

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**Note:** Ensure the 'AIX Shared Library Bug Fix' is applied as provided in APPENDIX A.

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# Application Server Installation Tasks

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

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## Mount CD-ROM on the Database Server

1. Copy the rms10123apppatch.zip file from the CD /appserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:  

```
unzip rms10123apppatch.zip
```

## Set Environment Variables

**Note:** ORACLE\_HOME is the location where Oracle Application Server 10g (10.1.2.2) 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 (10.1.2.2) has been installed

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- 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 10 schema.

**Example:** /u00/oracle> sqlplus \$UP

---

**AIX**

- LD\_LIBRARY\_PATH=\$ORACLE\_HOME/lib:\$ORACLE\_HOME/lib32:\$ORACLE\_HOME/jdk/jre/lib
- LIBPATH=\$LD\_LIBRARY\_PATH

## 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.

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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 (\*.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.

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

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