

# **Oracle® Retail Merchandising System**

Installation Guide

Release 10.1.20 German

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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 10.1.20 German documentation set:

- Oracle Retail Merchandising System Release Notes

## Customer Support

<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

For a base release ("0" release, such as 12.0), Oracle Retail strongly recommends that you read all patch documentation before you begin installation procedures. Patch documentation can contain critical information related to the base release, based on new information 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:

[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.

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## 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.



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# Database Installation Instructions

Before you apply the RMS 10.1.20 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 10.1.17 German is installed.
- Review the enclosed RMS 10.1.20 Patch Release Notes (rms-10120-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.

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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. Mount the CD-ROM on your Database Server.
2. Copy the rms10120dbpatch.tar.Z file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
3. Log in to UNIX.
4. Change directories to the staging directory.

---

**Note:** The tar file must have a .Z extension.

---

5. If the tar file has a "z" in lowercase, change it by typing:  

```
mv rms10120dbpatch.tar.z rms10120dbpatch.tar.Z
```
6. Uncompress the tar file by entering:  

```
uncompress rms10120dbpatch.tar.Z
```
7. Untar the tar file by entering:  

```
tar xvf rms10120dbpatch.tar
```

## Update RMS Types

1. Change directories to staging area/xml1.
2. Log into sqlplus as RMS10DEV and run the following command:  

```
SQL> @patch10118xml.sql
```
3. Check the log file patch10118xml.log for any errors.

## Update RMS Tables

1. Change directories to staging area/dbcs1.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10118dbcs.sql`
3. Check the log file patch10118dbcs.log for any errors.

## Update Data for RMS

1. Change directories to staging area/sqlplus1.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10118ctl.sql`
3. Check the log file patch10118ctl.log for any errors.

## Update RMS Database Objects

1. Change directories to staging area/db\_objects1.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10118rms.sql`
3. Check the log file patch10118rms.log for any errors.

## Update RMS Types

1. Change directories to staging area/xml2.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10119xml.sql`
3. Check the log file patch10119xml.log for any errors.

## Update RMS Tables

1. Change directories to staging area/dbcs2.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10119dbcs.sql`
3. Check the log file patch10119dbcs.log for any errors.

## Update Data for RMS

1. Change directories to staging area/sqlplus2.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10119ctl.sql`
3. Check the log file patch10119ctl.log for any errors.

## Update RMS Database Objects

1. Change directories to staging area/db\_objects2.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10119rms.sql`
3. Check the log file patch10119rms.log for any errors.

## Update RMS Tables

1. Change directories to staging area/dbcs3.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10120dbcs.sql`
3. Check the log file patch10120dbcs.log for any errors.

## Update Data for RMS

1. Change directories to staging area/sqlplus3.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10120ctl.sql`
3. Check the log file patch10120ctl.log for any errors.

## Update RMS Database Objects

1. Change directories to staging area/db\_objects3.
2. Log into sqlplus as RMS10DEV and run the following command:  
`SQL> @patch10120rms.sql`
3. Check the log file patch10120rms.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 more invalid objects remain.

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1. Change directories to INSTALL\_DIR/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 RETL

1. Change directories to staging area/repl/rfx/lib.
2. Copy all the files from this directory INSTALL\_DIR/repl/rfx/lib.  
`cp * INSTALL_DIR/repl/rfx/lib`
3. Change directories to staging area/repl/rfx/schema.
4. Copy all the files from this directory INSTALL\_DIR/repl/rfx/schema.  
`cp * INSTALL_DIR/repl/rfx/schema`
5. Change directories to staging area/repl/rfx/src.
6. Copy all the files from this directory INSTALL\_DIR/repl/rfx/src.  
`cp * INSTALL_DIR/repl/rfx/src`

## 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.

---

## Setting Environment Variables

1. As the retek user, 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

**AIX only:**

LIBPATH=\$ORACLE\_HOME/lib:\$MMHOME/oracle/lib/bin:\$LDPATH

OBJECT\_MODE=64

LINK\_CNTRL=L\_PTHREADS\_D7

**HP only:**

SHLIB\_PATH=\$ORACLE\_HOME/lib:\$MMHOME/oracle/lib/bin:\$SH\_LIBPATH

**Solaris only:**

LD\_LIBRARY\_PATH=\$ORACLE\_HOME/lib:

\$MMHOME/oracle/lib/bin:\$LD\_LIBRARY\_PATH

2. Copy the files from staging area/batch/lib/src to  
INSTALL\_DIR/rms/oracle/lib/src
3. Change directories to INSTALL\_DIR/rms/oracle/lib/src and run the following commands.
  - a. To make library dependencies:  
make -f retek.mk depend 2>&1 | tee libdpnd.log
  - b. Check the libdpnd.log file for errors.
  - c. To make batch libraries:  
make -f retek.mk retek rms resa 2>&1 | tee libretek.log
  - d. Check the libretek.log file for errors.
  - e. To install batch libraries:  
make -f retek.mk installThe batch libraries should now be in INSTALL\_DIR/rms/oracle/lib/bin
4. Copy the files from staging area/batch/proc/src to  
INSTALL\_DIR/rms/oracle/proc/src.

5. Change directories to `INSTALL_DIR/rms/oracle/proc/src` and run the following commands.

- a. To make dependencies:

```
make -f mts.mk rms-depend recs-depend rtm-depend resa-depend 2>&1 | tee  
srcdpnd.log
```

- b. Check the `srcdpnd.log` file for errors:

- c. To make batch programs:

Because of an additional make command the following command must be run first:

```
make -f rms.mk PRODUCT_PROCFLAGS=dynamic=ansi ditinsrt
```

To make the rest of the batch programs run the following command:

```
make -f mts.mk rms-all rtm-ALL im-ALL recs-ALL resa-all resa-rms 2>&1 |  
tee srcall.log
```

- d. Check the `srcall.log` file for errors.

- e. To install batch programs:

```
make -f mts.mk rms-install rtm-install recs-install resa-install im-  
install
```

The batch programs should now be in `INSTALL_DIR/rms/oracle/proc/bin`.



---

# Application Server Installation Instructions

---

## Mount CD-ROM on the Database Server

1. Copy the rms10120apppatch.tar.Z file from the CD /appserverunix directory to a newly created staging directory on your UNIX Application server.
2. Log in to UNIX.
3. Change directories to the staging directory.

---

**Note:** The tar file must have a .Z extension.

---

4. If the tar file has a Z in lowercase, change it by typing:  

```
mv rms10120apppatch.tar.z rms10120apppatch.tar.Z
```
5. Uncompress the tar file by entering:  

```
uncompress rms10120apppatch.tar.Z
```
6. Untar the tar file by entering:  

```
tar xvf rms10120apppatch.tar
```

## Forms 6i Installation Instructions

1. Make sure your UNIX environment is set up properly to compile Oracle Forms (see the *RMS 10.1 Installation Guide* for more information).
2. In the toolset src directory, compile the library as outlined in the *RMS 10.1 Installation Guide* Appendix B.
3. Copy the Toolset Reference Form (fm\*.fmb) to your toolset src directory.
4. In the toolset src directory, compile the reference form as outlined in the *RMS 10.1 Installation Guide* Appendix B.
5. Copy the RMS forms source code (\*.fmb) located on UNIX in the <staging area>/forms/src to your UNIX Web forms src directory.
6. In the Web forms src directory, compile the RMS forms (\*.fmb) as outlined in the *RMS 10.1 Installation Guide*, Appendix B.
7. Move all compiled forms and menus (\*.fmx and \*.mmx) in the Web forms src directory to the bin directory.
8. Copy the RMS reports source code (\*.rdf) located on UNIX in the <staging area>/reports/src to your UNIX Web reports src directory.
9. In the Web reports src directory, compile the RMS reports (\*.rdf) as outlined in the *RMS 10.1 Installation Guide*, Appendix B.
10. Move all compiled reports (\*.rep) in the Web reports src directory to the bin directory.
11. The RMS forms server process and reports server process should be reloaded after the RMS 10.1.18 executables have been copied to the appropriate UNIX Web forms directories.

## Forms 9i Installation Instructions

### Toolset

1. Log into the application server as the 9iAS Administrator user that installed 9iAS Release 2.
2. Set the following variables:

---

**Note:** INSTALL\_DIR is the location where RMS will be installed.

**Note:** 9iAS\_ORACLE\_HOME is the location where Oracle 9iAS R2 was installed.

---

ORACLE\_HOME=9iAS\_ORACLE\_HOME

PATH=ORACLE\_HOME/bin:INSTALL\_DIR/forms9i\_scripts:\$PATH

**Solaris only:**

LD\_LIBRARY\_PATH=9iAS\_ORACLE\_HOME/lib:9iAS\_ORACLE\_HOME/jdk/jre/lib/sparc:9iAS\_ORACLE\_HOME/jdk/jre/lib/sparc/native\_threads

**HP-UX only:**

SHLIB\_PATH=9iAS\_ORACLE\_HOME/lib32:9iAS\_ORACLE\_HOME/lib:9iAS\_ORACLE\_HOME/jdk/jre/lib/PA\_RISC:9iAS\_ORACLE\_HOME/jdk/jre/lib/PA\_RISC/server

**AIX only:**

LD\_LIBRARY\_PATH=9iAS\_ORACLE\_HOME/lib:9iAS\_ORACLE\_HOME/lib32:9iAS\_ORACLE\_HOME/jdk/jre/lib

LIBPATH=9iAS\_ORACLE\_HOME/lib32:9iAS\_ORACLE\_HOME/lib:9iAS\_ORACLE\_HOME/jdk/jre/lib

CLASSPATH=9iAS\_ORACLE\_HOME/jlib/debugger.jar:9iAS\_ORACLE\_HOME/jlib/utj90.jar:9iAS\_ORACLE\_HOME/jlib/ewt3.jar:9iAS\_ORACLE\_HOME/jlib/share.jar

FORMS90\_BUILDER\_CLASSPATH=\$CLASSPATH

FORMS90\_PATH=INSTALL\_DIR/toolset/bin:INSTALL\_DIR/rms/forms/bin:9iAS\_ORACLE\_HOME/forms90

REPORTS\_PATH=INSTALL\_DIR/reports/bin:9iAS\_ORACLE\_HOME/forms90

UP=<RMS\_USER>/<RMS\_USER\_PASSWORD>@<ORACLE\_SID>

DISPLAY=<IP address of machine being used for compilation>:0.0

3. Change directories to INSTALL\_DIR/toolset/src.
4. Run pld2pll9i\_toolset to convert all toolset libraries to .pll mode.
5. Check to make sure all files with a .pld extension now have a corresponding file with a .pll extension.
6. Move all libraries (.pll files) in the INSTALL\_DIR/toolset/src directory to the INSTALL\_DIR/toolset/bin directory.



7. Change directories to `INSTALL_DIR/toolset/bin`.

---

**Note:** If the pre-converted `stand45_9i.pll` is being used, replace `stand45.pll` with the pre-converted `stand45_9i.pll`, and skip step 8 below, proceeding to step 9.

---

8. Run `f90plsqlconv_pll_stand45` to convert `stand45.pll` to a Forms 9i module and automatically attach the Forms 9i library `rp2rro.pll`.
9. Run `pll2plx9i_toolset` to compile all toolset `pll`'s.
10. Remove all newly created `plx` files.
11. Copy all reference forms (`fm_*.fmb` files) in the `INSTALL_DIR/toolset/src` directory to the `INSTALL_DIR/toolset/bin` directory.
12. Change directories to `INSTALL_DIR/toolset/bin`.
13. Run `fmb2fmx9i_fm` to compile the reference forms.

---

**Note:** The following error messages may appear when running `fmb2fmx9i_fm`:

FRM-30162: Inconsistent relationship between window `W_XXXXX` and its horizontal toolbar `C_XXXXX`

FRM-30188: No initial value given, and other values are not allowed.

FRM-30162 is the result of the window not matching the horizontal toolbar's window property. This error can be ignored for reference forms.

FRM-30188 is a common forms error resulting from an uninitialized LOV (List of Values). It is an Oracle Retail standard to use the `P_POPULATE_LIST` library function to populate LOV's. This error can also be ignored.

---

14. Remove all newly created `fm_*.fmx` files (reference forms should not have executable files).
15. Change directories to `INSTALL_DIR/toolset/src`.
16. Run `fmb2fmx9i` to generate Forms 9i runtime forms – `fmx`'s. This script does not compile `fmb`'s.
17. Check to make sure that each `.fmb` file has a corresponding `.fmx` file. If a form fails to convert (there is no `.fmx` file), it has to be manually compiled/converted with Forms Builder 9i (if 9iDS is installed). Contact Oracle Support if there is no means of manually compiling with Forms Builder.

---

**Note:** Disregard `fm_*.fmx` files should they be created. These files should be removed. They should NOT be copied to the `INSTALL_DIR/toolset/bin` directory.

---

18. Move all newly created `fmx` files to the `INSTALL_DIR/toolset/bin` directory.
19. Run `mmb2mmx9i` to generate Forms 9i runtime menus – `mmx`'s. This script does not compile `mmb`'s.

20. Check to make sure that each .mmb file has a corresponding .mmx file. If a menu fails to convert (there is no .mmx file), it has to be manually compiled/converted with Forms Builder 9i (if 9iDS is installed). Contact Oracle Support if there is no means of manually compiling with Forms Builder.
21. Move all newly created mmx files to the INSTALL\_DIR/toolset/bin directory.

---

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

---

## Forms

1. Change directories to <staging area>/forms/src.
2. Copy files to INSTALL\_DIR/forms/src.
3. Change directories to INSTALL\_DIR/forms/src.
4. Run fmb2fmx9i to generate Forms 9i runtime forms – fmx’s. This script does not compile fmb’s.
5. Check to make sure that each .fmb file has a corresponding .fmx file. If a form fails to convert (there is no .fmx file), it has to be manually compiled/converted with Forms Builder 9i (if 9iDS is installed). Contact Oracle Support if there is no means of manually compiling with Forms Builder.

---

**Note:** Disregard fm\_\*.fmx files should they be created. These files should be removed. They should NOT be copied to the INSTALL\_DIR/forms/bin directory.

---

6. Move all newly created fmx files to the INSTALL\_DIR/toolset/bin directory.
7. Run mmb2mmx9i to generate Forms 9i runtime menus – mmx’s. This script does not compile mmb’s.
8. Check to make sure that each .mmb file has a corresponding .mmx file. If a menu fails to compile (there is no .mmx file), it has to be manually compiled/converted with Forms Builder 9i (if 9iDS is installed). Contact Oracle Support if there is no means of manually compiling with Forms Builder.
9. Move all newly created mmx files to the INSTALL\_DIR/forms/bin directory.

---

**Note:** .err files may 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/helpfiles/english/rms.
2. Copy all the files from this directory to  
INSTALL\_DIR/web\_html/helpfiles/english/rms.  

```
cp -R * INSTALL_DIR/web_html
```