Oracle® Retail Merchandising System

Installation Guide

Release 10.1.19 Japanese Localized

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ORACLE

Oracle® Retail Merchandising System Installation Guide, Release 10.1.19

Value-Added Reseller (VAR) Language

(i) the software component known as **ACUMATE** developed and licensed by Lucent Technologies Inc. of Murray Hill, New Jersey, to Oracle and imbedded in the Oracle Retail Predictive Application Server – Enterprise Engine, Oracle Retail Category Management, Oracle Retail Item Planning, Oracle Retail Merchandise Financial Planning, Oracle Retail Advanced Inventory Planning and Oracle Retail Demand Forecasting applications.

(ii) the **MicroStrategy** Components developed and licensed by MicroStrategy Services Corporation (MicroStrategy) of McLean, Virginia to Oracle and imbedded in the MicroStrategy for Oracle Retail Data Warehouse and MicroStrategy for Oracle Retail Planning & Optimization applications.

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Contents

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 10.1.19 documentation set:

- Oracle Retail Merchandising System Release Notes

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.

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

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.

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Database Installation Instructions

Before you apply the RMS 10.1.19 Japanese Localized patch:

- Make a backup of all your objects and database schema.
- Check that RMS 10.1.12 Japanese Localized is installed.
- Review the enclosed RMS 10.1.19 Japanese Localized Patch Release Notes (rms-10119-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 RMS10DEV as the Oracle owning schema.
>
> **Note:** Make sure your NLS_LANG is set to JAPANESE_JAPAN.utf8

Mount CD-ROM on the Database Server

1. Mount the CD-ROM on your Database Server.
2. Copy the `rms10119dbpatch.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 rms10119dbpatch.tar.z rms10119dbpatch.tar.Z
   ```
6. Uncompress the tar file by entering:
   ```
   uncompress rms10119dbpatch.tar.Z
   ```
7. Untar the tar file by entering:
   ```
   tar xvf rms10119dbpatch.tar
   ```

Update RMS Tables

1. Change directories to staging area/dbcs1.
2. Log into sqlplus as RMS10DEV and run the following command:
   ```
   SQL> @patch10113dbcs.sql
   ```
3. Check the log file patch10113dbcs.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> @patch10113ctl.sql`
3. Check the log file patch10113ctl.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> @patch10113rms.sql`
3. Check the log file patch10113rms.log for any errors.

Update additional RMS Types

1. Change directories to staging area/xml2.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10114xml.sql`
3. Check the log file patch10114xml.log for any errors.

Update additional RMS Tables

1. Change directories to staging area/dbcs2.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10114dbcs.sql`
3. Check the log file patch10114dbcs.log for any errors.

Update additional Data for RMS

1. Change directories to staging area/sqlplus2.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10114ctl.sql`
3. Check the log file patch10114ctl.log for any errors.

Update additional RMS Database Objects

1. Change directories to staging area/db_objects2.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10115rms.sql`
3. Check the log file patch10115rms.log for any errors.

Update additional RMS Types

1. Change directories to staging area/xml3.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10115xml.sql`
3. Check the log file patch10115xml.log for any errors.

Update additional RMS Tables

1. Change directories to staging area/dbcs3.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10115dbcs.sql`
3. Check the log file patch10115dbcs.log for any errors.

Update additional Data for RMS

1. Change directories to staging area/sqlplus3.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10115ctl.sql`
3. Check the log file patch10115ctl.log for any errors.

Update additional RMS Database Objects

1. Change directories to staging area/db_objects3.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10115rms.sql`
3. Check the log file patch10115rms.log for any errors.

Update additional RMS Tables

1. Change directories to staging area/dbcs4.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10116dbcs.sql`
3. Check the log file patch10116dbcs.log for any errors.

Update additional Data for RMS

1. Change directories to staging area/sqlplus4.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10116ctl.sql`
3. Check the log file patch10116ctl.log for any errors.

Update additional RMS Database Objects

1. Change directories to staging area/db_objects4.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10116rms.sql`
3. Check the log file patch10116rms.log for any errors.

Update additional RMS Tables

1. Change directories to staging area/dbcs5.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10117dbcs.sql`
3. Check the log file patch10117dbcs.log for any errors.

Update additional Data for RMS

1. Change directories to staging area/sqlplus5.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10117ctl.sql`
3. Check the log file patch10117ctl.log for any errors.

Update additional RMS Database Objects

1. Change directories to staging area/db_objects5.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10117rms.sql`
3. Check the log file patch10117rms.log for any errors.

Update additional RMS Types

1. Change directories to staging area/xml6.
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 additional RMS Tables

1. Change directories to staging area/dbcs6.
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 additional Data for RMS

1. Change directories to staging area/sqlplus6.
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 additional RMS Database Objects

1. Change directories to staging area/db_objects6.
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 additional RMS Types

1. Change directories to staging area/xml7.
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 additional RMS Tables

1. Change directories to staging area/dbcs7.
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 additional Data for RMS

1. Change directories to staging area/sqlplus7.
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 additional RMS Database Objects

1. Change directories to staging area/db_objects7.
2. Log into sqlplus as RMS10DEV and run the following command:
   `SQL> @patch10119rms.sql`
3. Check the log file patch10119rms.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.

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/retl/rfx/etc.
2. Copy all the files from this directory INSTALL_DIR/retl/rfx/etc.
   `cp * INSTALL_DIR/retl/rfx/etc`
3. Change directories to staging area/retl/rfx/lib
4. Copy all the files from this directory INSTALL_DIR/retl/rfx/lib.
   `cp * INSTALL_DIR/retl/rfx/lib`
5. Change directories to staging area/retl/rfx/schema.
6. Copy all the files from this directory INSTALL_DIR/retl/rfx/ schema.
   `cp * INSTALL_DIR/retl/rfx/ schema`
7. Change directories to staging area/retl/rfx/src.
8. Copy all the files from this directory INSTALL_DIR/retl/rfx/src.
   `cp * INSTALL_DIR/retl/rfx/src`

Update RETL for RPAS

Note: This is only for customers intergrating with RPAS

1. Change directories to staging area/retlforRPAS/rfx/etc.
2. Copy all the files from this directory INSTALL_DIR/retl/rfx/etc.
   `cp * INSTALL_DIR/retl/rfx/etc`
3. Change directories to staging area/retlforRPAS/rfx/lib.
4. Copy all the files from this directory INSTALL_DIR/retl/rfx/lib.
   `cp * INSTALL_DIR/retl/rfx/lib`
5. Change directories to staging area/retlforRPAS/rfx/schema.
6. Copy all the files from this directory INSTALL_DIR/retl/rfx/ schema.
   `cp * INSTALL_DIR/retl/rfx/ schema`
7. Change directories to staging area/retlforRPAS/rfx/src.
8. Copy all the files from this directory INSTALL_DIR/retl/rfx/src.
   `cp * INSTALL_DIR/retl/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

   NLS_LANG=JAPANESE LOCALIZED_JAPANESE LOCALIZEDY.utf8

   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 are/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.
4. To make library dependencies:
   ```
   make -f retek.mk  depend 2>&1 | tee libdpnd.log
   ```
5. Check the libdpnd.log file for errors.
6. To make batch libraries:
   ```
   make –f retek.mk retek rms resa 2>&1 | tee libretek.log
   ```
7. Check the libretek.log file for errors.
8. To install batch libraries:
   ```
   make –f retek.mk install
   ```
   The batch libraries should now be in INSTALL_DIR/rms/oracle/lib/bin

9. Copy the files from staging area/batch/proc/src to INSTALL_DIR/rms/oracle/proc/src.
10. Change directories to INSTALL_DIR/rms/oracle/proc/src and run the following commands.
11. To make dependencies:

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

12. Check the srcdpnd.log file for errors:
13. 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
    ```

14. Check the srcall.log file for errors.
15. 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.

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Application Server Installation Instructions

Mount CD-ROM on the Database Server

1. Copy the `rms10119apppatch.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 rms10119apppatch.tar.z rms10119apppatch.tar.Z`
5. Uncompress the tar file by entering:
   `uncompress rms10119apppatch.tar.Z`
6. Untar the tar file by entering:
   `tar xvf rms10119apppatch.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 install 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 install 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 10.1.19 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>

   NLS_LANG=JAPANESE_JAPAN.utf8

   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 un-initialized LOV (List of Values). It is a Retek 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 will 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 will have to be manually compiled/converted with Forms Builder 9i (if 9iDS is installed); or 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 will 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 will have to be manually compiled/converted with Forms Builder 9i (if 9iDS is installed); or 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:** Should .err files 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 will 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 will have to be manually compiled/converted with Forms Builder 9i (if 9iDS is installed); or 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 will 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 will have to be manually compiled/converted with Forms Builder 9i (if 9iDS is installed); or 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:** Should .err files be created from the compilation scripts above, these files are logs of the compilation process and can be removed.

Reports

1. Change directories to <staging area>/reports/src.
2. Copy files to INSTALL_DIR/reports/src
3. Run rdf2rep9i to generate Reports 9i runtime reports – rep's. This script will not compile rdf's.
4. Check to make sure that each .rdf file has a corresponding .rep file. If a report fails to convert (there is no .rep file), it will have to be manually compiled/converted with Reports Builder 9i (if 9iDS is installed) or contact Oracle Support if there is no means of manually compiling with Reports Builder.

   Note: The following error messages may appear when running rdf2rep9i; these errors can be ignored if the report generation was successful:
   REP-0759: One or more PL/SQL libraries have been modified since the report was saved.
   The PL/SQL will be recompiled.

   REP-0202: Attempt to free a null pointer.

   REP-0759 is generated by the r25conv program. This error appears any time a report is converted.
   REP-0202 is due to an Oracle bug with rwconverter and can be ignored.

5. Move all the newly created rep's to the INSTALL_DIR/reports/bin directory.