Retek® Merchandising System™ 10.1.7

Installation Guide

Retek

Customer Support

Customer Support hours

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Contact Method	Contact Information
E-mail	support@retek.com
Internet (ROCS)	rocs.retek.com Retek's secure client Web site to update and view issues
Phone	+1 612 587 5800

Toll free alternatives are also available in various regions of the world:

Australia	+1 800 555 923 (AU-Telstra) or +1 800 000 562 (AU-Optus)
France	0800 90 91 66
United Kingdom	0800 917 2863
United States	+1 800 61 RETEK or 800 617 3835

Mail	Retek Customer Support Retek on the Mall 950 Nicollet Mall Minneapolis, MN 55403

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.

Contents

Chapter 1 – Database server installation instructions

Before you apply the RMS 10.1.7 patch:

- Make a backup of all your objects and database schema.

- Check that RMS 10.1.6 is installed.

- Review the enclosed RMS 10.1.7 Patch Release Notes (rms-1017-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 rmsdev10 as the Oracle owning schema.

Mount CD-ROM on the Database Server

1　Mount the CD-ROM on your Database Server.

2　Copy the `rms1017dbpatch.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 rms1017dbpatch.tar.z rms1017dbpatch.tar.Z`

6　Uncompress the tar file by entering:

`uncompress rms1017dbpatch.tar.Z`

7　Untar the tar file by entering:

`tar xvf rms1017dbpatch.tar`

Update XML DDL

📖 **Note:** This script will attempt to drop tables that may not exist in the database. This is done to insure that the correct table is being created.

1   Log in to UNIX as the `retek` user.

2   Change directories to `<staging area>/xml`.

3   Review and understand the scripts before running them.

4   If you have customized any objects, make modifications.

5   Log in to SQLPLUS as the `rmsdev10` user.

6   Enter the following command:

```
SQL> @patch1017xml.sql
```

7   View the spool file `patch1017xml.log` when finished to verify that no errors were found.

Update DDL

1   Change directories to `<staging area>/dbcs`.

2   Review and understand the scripts before running them.

3   If you have customized any objects, make modifications.

4   Log in to SQLPLUS as the `rmsdev10` user.

5   Enter the following command:

```
SQL> @patch1017dbcs.sql
```

6   View the spool file `patch1017dbcs.log` when finished to verify that no errors were found.

Update control tables

1   On the server, change directories to `<staging area>/sqlplus`.

2   Log in to SQLPLUS as `rmsdev10`.

3   Enter the following command to update control tables:

```
SQL> @patch1017ctl.sql
```

4   View the spool file `patch1017ctl.log` when finished to verify that no errors were found.

If running Retek Trade Management please do the following

1   On the server, change directories to `<staging area>/sqlplus/rtm`.

2   Log in to SQLPLUS as `rmsdev10`.

3   Enter the following command to update control tables:

```
SQL> @patch1017rtm.sql
```

4   View the spool file `patch1017rtm.log` when finished to verify that no errors were found.

Update packages, stored procedures and functions

📖   **Note:** During revalidating deadlocks may appear this is fine as all objects should revalidate.

1   On the server, change directories to `<staging area>/db_objects`.

2   Log in to SQLPLUS as `rmsdev10`.

3   Enter the following command to update packages, procedures, and functions:

```
SQL> @patch1017rms.sql
```

4   Exit SQLPlus.

5   View the spool file `patch1017rms.log` when finished to verify that no errors were found.

6   After you have compiled all these objects, validate any objects that may have become invalid. You can do this by using the Oracle utility `dbms_utility.compile_schema`.

Update rmsetl

1   On the server, change directories to `<staging area>/rmsetl/rfx/lib`

2   Copy file to INSTALL_DIR/rmsetl/rfx/lib

```
cp * INSTALL_DIR/rmsetl/rfx/lib
```

3   On the server, change directories to `<staging area>/rmsetl/rfx/src`

4   `Copy files` to INSTALL_DIR/rmsetl/rfx/src

```
cp * INSTALL_DIR/rmsetl/rfx/src
```

Recompile libraries and batch programs

    Note: If you are using Oracle Financials please refer to Appendix A.

After the packages/procedures have been successfully compiled:

1 Copy the batch library from `<staging area>/batch/lib/src` into the appropriate directories.

2 Copy the base RMS C programs from `<staging area>/batch/proc/src` into the appropriate directories.

3 Compile the batch library and base RMS C programs as directed in the RMS 10.1 install guide.

4 Because of an addition to the make command you need to run the following command from INSTALL_DIR/rms/oracle/proc/src directory

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

Chapter 2 – Application Server installation instructions

📖 **Note:** If customizations have been made to any libraries, forms, menus, or reports, make sure to back up these customizations so that they can be re-applied following the 10.1.7 patch upgrade.

Forms 6i Installation Instructions

1 Mount the CD-ROM on your UNIX Application Server.

2 Change directories to `/appserverunix`.

3 Copy the `rms1017apppatch.tar.Z` file from the CD /appserverunix directory to a newly created staging directory on your UNIX Application server.

4 Log in to UNIX.

5 Change directories to the staging directory.

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

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

```
mv rms1017apppatch.tar.z rms1017apppatch.tar.Z
```

7 Uncompress the tar file by entering:

```
uncompress rms1017apppatch.tar.Z
```

8 Untar the tar file by entering:

```
tar xvf rms1017apppatch.tar
```

9 Make sure your UNIX environment is set up properly to compile Oracle Forms (see the RMS 10.1 installation guide for more information).

10 Copy stand45.pld located on UNIX in the `<staging area>/toolset/src` to your UNIX Web forms src directory.

  📖 **Note:** stand45_9i.pll cannot be used for Forms 6i environments; it has been upgraded to Forms 9i mode.

11 In the toolset src directory, compile stand45.pld as outlined in the RMS 10.1 installation guide, Appendix B.

12 Move stand45.pll in the toolset src directory to the bin directory.

13 Copy the RMS forms source code (*.fmb) located on UNIX in the `<staging area>/forms/src` to your UNIX Web forms src directory.

14 In the Web forms src directory, compile the RMS forms (*.fmb) as outlined in the RMS 10.1 installation guide, Appendix B.

15 Move all compiled forms and menus (*.fmx and *.mmx) in the Web forms src directory to the bin directory.

16 Copy the report source codes (`*.rdf`) located on UNIX in the `<staging area>/reports/src` to your UNIX Web reports src directory.

17 In the Web reports src directory, compile the RMS reports (*.rdf) as outlined in the RMS 10.1 installation guide, Appendix B.

18 Move compiled objects (`*.rep`) to the bin directory.

19 The RMS forms server process and reports server process should be reloaded after the RMS 10.1.7 executables have been copied to the appropriate UNIX Web forms directories.

Forms 9i Installation Instructions

 Note: Because of Oracle bugs #3083648 and #2710859, and related Sun JVM Bug #4486745, some column headers and other font fields throughout the RMS application appear to have the bottom portion of text cut off when running in Forms 9i mode. This issue does not affect functionality. An Oracle enhancement request(3083648) has been made for a fix to the forms font handling mechanism.

 Note: If customizations have been made to any libraries, forms, menus, or reports, make sure to back up these customized modules so that they can be re-applied following the RMS 10.1.7 patch upgrade and prior to the Forms 9i upgrade.

 In order to run RMS 10.1.7 in Forms 9i mode, the entire RMS application must be compiled with Forms 9i. It is therefore assumed that the RMS 10.1.7 patch will overlay the RMS 10.1.6 forms prior to 9i forms compilation. Steps to convert/compile RMS 10.1.7 with the Oracle 9iAS R2 compilation components are detailed in the remainder of this section. If any RMS modules will not compile with the use of the provided conversion/compilation scripts, it is suggested to use Oracle 9i Developer Suite (Forms Builder 9i), and/or contact Oracle Support.

Installation/configuration notes for Oracle 9iAS Release 2 have been provided as part of this RMS 10.1.7 patch. This set of 9iAS notes is named 9iAS_R2_ig_UNIX.pdf, and is located in the documentation zip file in the /installation_guide/forms9i directory.

 Note: The following Forms 9i section is intended as a supplement to Oracle documentation for converting Forms applications from 6i to 9i. All conversion/compilation scripts referenced below should be checked and tested before running in a production environment.

Forms 9i Conversion and Compilation scripts

Oracle Forms 9i conversion and compilation scripts:

1   convert/upgrade obsolete PL/SQL code in libraries, forms, and menus

2   create or touch original source modules (pld's, pll's, fmb's, mmb's)

3   create log files for each module upgraded

4   create 9i runtime modules

> **Note:** It is not mandatory that all Forms 9i conversion scripts listed below (f90plsqlconv_*) be run for all base RMS toolset and forms. Forms 6i to 9i conversion for all customized libraries/forms/menus should be considered prior to executing the conversion scripts. The only base RMS module that must be converted from 6i to 9i is the stand45 toolset library. Two versions of stand45 have been released with this RMS 10.1.7 patch:
>
> stand45.pld – has not been converted from 6i to 9i
> stand45_9i.pll – has already been converted from 6i to 9i
>
> If stand45_9i.pll is used, none of the Forms 9i conversion scripts (f90plsqlconv_*) need to be run for base RMS modules.

Scripts – source 9i Application Server R2

Create a directory named /forms9i_scripts and copy the appropriate Forms9i conversion and compilation scripts into this directory from <staging area>/forms9i_upgrade/scripts. Append the path to this new /scripts directory to the PATH environment variable.

- f90plsqlconv_pll_all (optional; no directions provided) – converts Forms 6i libraries (pll's) to 9i

- f90plsqlconv_pll_stand45 – converts only stand45.pll from 6i to 9i

- f90plsqlconv_fmb (optional: no directions provided) – converts Forms 6i forms to 9i

- f90plsqlconv_mmb (optional; no directions provided) – converts Forms 6i menus to 9i

- pld2pll9i_toolset – creates pll's from RMS toolset pld's (provided for scripted compilation purposes)

- pld2plli_forms – creates pll's from RMS form pld's (provided for scripted compilation purposes)

- pll2plx9i_toolset – compiles RMS toolset pll's and creates plx's

- pll2plx9i_forms – compiles RMS form pll's and creates plx's

- pll2plx9i_reports – compiles RMS reports library rep25lib.pll from 6i to 9i

- fmb2fmx9i_fm – compiles RMS reference forms (fm_*.fmb) and creates fmx's

- fmb2fmx9i – creates fmx's from fmb's

- mmb2mmx9i – creates mmx's from mmb's

- rdf2rep9i – creates rep's from rdf's

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 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 INSTALL_DIR/forms/src.

2 Run pld2pll9i_forms to convert all forms libraries to .pll mode.

3 Check to make sure all files with a .pld extension now have a corresponding file with a .pll extension.

4 Move all newly created pll files to the INSTALL_DIR/forms/bin directory.

5 Change directories to INSTALL_DIR/forms/bin.

6 Run pll2plx9i_form to compile forms pll's.

7 Remove all newly created plx files.

8 Copy all reference forms (fm_*.fmb files) in the INSTALL_DIR/forms/src directory to the INSTALL_DIR/forms/bin directory.

9 Change directories to INSTALL_DIR/forms/bin.

10 Run fmb2fmx9i_fm to compile the reference forms.

11 Remove all newly created fmx files (reference forms should not have executable files).

12 Change directories to INSTALL_DIR/forms/src.

13 Run fmb2fmx9i to generate Forms 9i runtime forms – fmx's. This script will not compile fmb's.

14 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.

15 Move all newly created fmx files to the INSTALL_DIR/toolset/bin directory.

16 Run mmb2mmx9i to generate Forms 9i runtime menus – mmx's. This script will not compile mmb's.

17 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.

18 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 INSTALL_DIR/reports/bin.

2   Run pll2plx9i_reports to compile rep25lib.pll.

3   Remove the newly created rep25lib.plx file.

4   Run rdf2rep9i to generate Reports 9i runtime reports – rep's. This script will not compile rdf's.

5   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.

9iAS Release 2 Configuration

Installation/configuration notes for Oracle 9iAS Release 2 that have been provided as part of this RMS 10.1.7 patch can be referenced to aid in configuring 9iAS R2 to run RMS in Forms 9i mode. Contact Oracle Support for configuration problems or issues.