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Retek® Merchandising System™ 11.0.1

Installation Guide

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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 Installation Instructions

Before you apply the RMS 11.0.1 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 11.0 is installed.
- Review the enclosed RMS 11.0.1 Patch Release Notes (rms-1101-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 RMS11DEV as the Oracle owning schema.

Mount CD-ROM on the Database Server

1 Copy the rms1101dbpatch.zip file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.

2 Unzip the file by entering:

```
unzip rms1101dbpatch.zip
```

Update RIB Objects for RMS

Note: The following directories are included but not used:

CastorPayloadTyped - Contains typed, serialized java beans representing message families. A configuration file (payload.properties) maps each bean to a specific message family/message type.

CastorPayloadUntyped - Contains untyped, serialized java beans representing message families. Each class member is represented by a String (as opposed to the data type the member represents). A configuration file (payload.properties) maps each bean to a specific message family/message type.

Retek_Pub_Trans - Contains a class that maps an oracle object to an XML formatted string for every family represented in a database by an oracle object. Each translator handles all message types within a single family

CastorPayloadTyped

Create RIB tables and types

1 Change directories to staging area/rib_objects1101/xml

2 Log into sqlplus as RMS11DEV and run the following command:

```
SQL> @rms1101xml.sql
```

3 Check the log file rms1101xml.log for any errors noting that ORA-04043 errors and warnings are to be ignored.

Create RIB Objects

1 Change directories to staging area/rib_objects1101/Oracle_Objects.

2 Log into sqlplus as RMS11DEV and run the following command:

```
SQL> @rms1101rib.sql
```

3 Check the log file rms1101rib.log for any errors noting that ORA-04043 errors are to be ignored.

Loading RIB data

1 Change directories to staging area/rib_objects1101/xml.

2 Run the following command at the UNIX prompt:

```
sqlldr RMS11DEV/SCHEMA_PASSWORD control=rib_doctypes_rms.ctl
```

3 Check the log file rib_doctypes_rms.log for any errors.

Update XML

1 Change directories to staging area/xml.

2 Log into sqlplus as RMS11DEV and run the following command:

```
SQL> @patch1101xml.sql
```

3 Check the log file patch1101xml.log for any errors.

Partitioning for new tables

The following four tables are newly partitioned.

- DEAL_ACTUALS_ITEM_LOC
- DEAL_ITEM_LOC_EXPLODE
- DEAL_ITEMLOC
- RPL_NET_INVENTORY_TMP

These files get created in the script add_partitioning.sql in staging area/dbcs.

Partitioning can be added by either modifying the staging area/dbcs/part/partition_attributes.cgf file and running the staging area/dbcs/part/partition.ksh script, see Appendix A of RMS 11 install guide, or by copying the staging area/dbcs/add_partition.sql to staging area/dbcs/add_partition_final.sql and modifying add_partition_final.sql to include you partitioning.

Update RMS tables

Note: Some triggers will give compilation warnings. These are OK. The warnings are caused by dependencies. The warnings will be cleared when objects are revalidated later in the install.

1 Change directories to staging area/dbcs

2 Log into sqlplus as RMS11DEV and run the following command:

```
SQL> @patch1101dbcs.sql
```

3 Check the log file patch1101dbcs.log for any errors.

Update RMS database objects

1 Change directories to staging area /db_objects

2 Log into sqlplus as RMS11DEV and run the following command:

```
SQL> @patch1101rms.sql
```

3 Check the log file patch1101rms.log for any errors.

Update data for RMS

Note: This script will prompt for the schema owner.

1 Change directories to staging area /sqlplus

2 Log into sqlplus as RMS11DEV and run the following command:

```
SQL> @patch1101ctl.sql
```

3 Check the log file patch1101ctl.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 RMS11DEV and run the following command:

```
SQL> @inv_obj_comp.sql
```

3 This script may need to be run more than once.

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 11 was installed.

Note: 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 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
```

9 The batch libraries should now be in INSTALL_DIR/rms/oracle/lib/bin

10 Copy the files from staging are/batch/proc/src to INSTALL_DIR/rms/oracle/proc/src

11 Change directories to INSTALL_DIR/rms/oracle/proc/src and run the following commands

12 To make dependencies

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

13 Check the srcdpnd.log file for errors

14 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 recs-ALL resa-ALL rtm-ALL 2>&1 | tee
srcall.log
```

15 Check the srcall.log file for errors

16 To install batch programs

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

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

Chapter 2 – Application Server Installation Instructions

Note: INSTALL_DIR is the directory where the RMS 11.x files were extracted to. 9iAS10G_ORACLE_HOME is the location where Oracle 9iAS 10g Forms and Reports Services (9iAS 10g) was installed.

Mount CD-ROM on the Database Server

1 Copy the rms1101apppatch.zip file from the CD /appserverunix directory to a newly created staging directory on your UNIX server.

2 Unzip the file by entering:

```
unzip rms1101apppatch.zip
```

Setup

1 As the retek user, set the DISPLAY variable to the IP address plus ":0.0" (ie: 10.1.1.1:0.0) of the machine that is being used to perform the compilation from.

2 As the retek user, set the following variables:

Note: INSTALL_DIR is the location where RMS 11 was installed.

Note: 9iAS10G_ORACLE_HOME is the location where Oracle 9iAS 10g was installed.

ORACLE_HOME=9iAS10G_ORACLE_HOME

PATH=$ORACLE_HOME/bin:INSTALL_DIR/forms9i_scripts:$PATH

Solaris only:
LD_LIBRARY_PATH=$ORACLE_HOME/lib:$ORACLE_HOME/jdk/jre/lib/sparc:$ORACLE_HOME/jdk/jre/lib/sparc/native_threads

HP-UX only:
SHLIB_PATH=$ORACLE_HOME/lib32:$ORACLE_HOME/lib:$ORACLE_HOME/jdk/jre/lib/PA_RISC:$ORACLE_HOME/jdk/jre/lib/PA_RISC/server

AIX only:
LD_LIBRARY_PATH=$ORACLE_HOME/lib:$ORACLE_HOME/lib32:$ORACLE_HOME/jdk/jre/lib

```
LIBPATH=$LD_LIBRARY_PATH
```

All:
CLASSPATH=$ORACLE_HOME/jlib/debugger.jar:$ORACLE_HOME/jlib/utj90.jar:$ORACLE_HOME/jlib/ewt3.jar:$ORACLE_HOME/jlib/share.jar

FORMS90_BUILDER_CLASSPATH=$CLASSPATH

FORMS90_PATH=INSTALL_DIR/toolset/bin:INSTALL_DIR/rms/forms/bin:$ORACLE_HOME/forms90

REPORTS_PATH=INSTALL_DIR/rms/reports/bin:$ORACLE_HOME/forms90

Solaris/AIX only:
UP=<RMS schema owner>/<RMS schema password>@<RMS database>

HP-UX only:
UP=<RMS schema owner>/<RMS schema password>\@<RMS database>

Toolset

1 Copy all the files from staging area/toolset/src to INSTALL_DIR/toolset/src

2 Copy all libraries (.pll files) in the INSTALL_DIR/toolset/src directory to the INSTALL_DIR/toolset/bin directory.

3 Change directories to INSTALL_DIR/toolset/bin.

4 Run f90plsqlconv_pll_stand45 to automatically attach the Forms 9i library rp2rro.pll to stand45.pll. This library must be attached to stand45.pll in order to run RMS reports.

5 Remove the newly created stand45.pld should it be created from running f90plsqlconv_pll_stand45.

6 Run pll2plx9i_toolset to compile all Toolset .pll's.

7 Check to make sure that each .pll file has a corresponding .plx (to ensure that all .pll's compiled successfully). If a library fails to compile (there is no .plx file), it will have to be manually compiled with Oracle 9iDS 10g. See Appendix F of the RMS 11 Install Guide for manual compilation instructions

8 Remove all newly created .plx files.

9 Copy all forms (*.fmb files) in the INSTALL_DIR/toolset/src directory to the INSTALL_DIR/toolset/bin directory.

10 Run fmb2fmx9i_fm (in INSTALL_DIR/toolset/bin) to compile the Toolset reference forms.

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

12 Run fmb2fmx9i (in INSTALL_DIR/toolset/bin) to generate Toolset runtime forms – .fmx's.

13 Check to make sure that each non-reference form (.fmb file) has a corresponding .fmx file. If a form fails to compile (there is no .fmx file), it will have to be manually compiled with Oracle 9iDS 10g. See Appendix F of the RMS 11 Install Guide for manual compilation instructions.

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

14 Remove all non-reference form forms from INSTALL_DIR/toolset/bin; the following syntax will leave 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
```

15 Copy all menus (*.mmb files) in the INSTALL_DIR/toolset/src directory to the INSTALL_DIR/toolset/bin directory.

16 Run mmb2mmx9i (in INSTALL_DIR/toolset/bin) to generate Toolset runtime menus – .mmx'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 with Oracle 9iDS 10g. See Appendix F of the RMS 11 Install Guide for manual compilation instructions.

Note: Should .err files be created by the compilation scripts above, these files are logs of the compilation process and can be removed.

18 Remove all .mmb files from INSTALL_DIR/toolset/bin.

Forms

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 pll2plx9i_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). If a library fails to compile (there is no .plx file), it will have to be manually compiled with Oracle 9iDS 10g. See Appendix F of the RMS 11 Install Guide for manual compilation instructions

6 Remove all newly created .plx files.

7 Copy all forms (*.fmb files) in the INSTALL_DIR/rms/forms/src directory to the INSTALL_DIR/rms/forms/bin directory.

8 Run fmb2fmx9i_fm (in INSTALL_DIR/rms/forms/bin) to compile the RMS reference forms.

9 Remove all newly created fm_*.fmx files (reference forms should not have executable files).

10 Run fmb2fmx9i (in INSTALL_DIR/rms/forms/bin) to generate RMS runtime forms – .fmx's.

11 Check to make sure that each non-reference form .fmb file has a corresponding .fmx file. If a form fails to compile (there is no .fmx file), it will have to be manually compiled with Oracle 9iDS 10g. See Appendix F of the RMS 11 Install Guide for manual compilation instructions.

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.

12 Remove all non-reference form forms from INSTALL_DIR/rms/forms/bin; the following syntax will leave 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
```

13 Copy all menus (*.mmb files) in the INSTALL_DIR/rms/forms/src directory to the INSTALL_DIR/rms/forms/bin directory.

14 Run mmb2mmx9i (in INSTALL_DIR/rms/forms/bin) to generate RMS runtime menus – .mmx's.

15 Check to make sure that each .mmb file has a corresponding .mmx file. If a form fails to compile (there is no .mmx file), it will have to be manually compiled with Oracle 9iDS 10g. See Appendix F of the RMS 11 Install Guide for manual compilation instructions.

16 Remove all .mmb files from INSTALL_DIR/rms/forms/bin.

Note: Should .err files be created by the compilation scripts above, these files are logs of the compilation process and can be removed.

Reports

1 Copy all the files from staging area/reports/src to INSTALL_DIR/rms/reports/src

2 Copy the reports library (rep25lib.pll) in the INSTALL_DIR/rms/reports/src directory to the INSTALL_DIR/rms/reports/bin directory.

3 Change directories to INSTALL_DIR/rms/reports/bin.

4 Run pll2plx9i_reports to compile rep25lib.pll. If rep25lib.pll fails to compile (there is no .plx file), it will have to be manually compiled with Oracle 9iDS 10g. See Appendix F of the RMS 11 Install Guide for manual compilation instructions

5 Remove the newly created rep25lib.plx file.

6 Copy all reports (*.rdf files) in the INSTALL_DIR/rms/reports/src directory to the INSTALL_DIR/rms/reports/bin directory

7 Run rdf2rep9i (in INSTALL_DIR/rms/reports/bin) to generate Reports runtime reports – .rep's.

Note: The following error messages may appear when running rdf2rep9i; these errors can be ignored if report (.rep) generation was successful:

REP-0759: One or more PL/SQL libraries have been modified since the reports was saved. The PL/SQL will be recompiled.

REP-0202: Attempt to free a null pointer

REP-0759 is generated by the r25conv program. The error appears any time a report is converted.

REP-0202 is due to an Oracle bug with rwconverter and can be ignored

8 Check to make sure that each .rdf file has a corresponding .rep file. If a report fails to compile (there is no .rep file), it will have to be manually compiled with Reports Builder in Oracle 9iDS 10g. See Appendix F of the RMS 11 Install Guide for manual compilation instructions.

9 Remove all .rdf files from INSTALL_DIR/rms/reports/bin.

Note: Should .err files be created by the compilation scripts above, these files are logs of the compilation process and can be removed.