Oracle® Retail Merchandising System

Installation Guide for Brazil Localization
Release 12.0.3BR

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ORACLE

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Value-Added Reseller (VAR) Language

Oracle Retail VAR Applications

The following restrictions and provisions only apply to the programs referred to in this section and licensed to you. You acknowledge that the programs may contain third party software (VAR applications) licensed to Oracle. Depending upon your product and its version number, the VAR applications may include:

(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.

(iii) the **SeeBeyond** component developed and licensed by Sun MicroSystems, Inc. (Sun) of Santa Clara, California, to Oracle and imbedded in the Oracle Retail Integration Bus application.

(iv) the **Wavelink** component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Store Inventory Management.

(v) the software component known as **Crystal Enterprise Professional and/or Crystal Reports Professional** licensed by Business Objects Software Limited ("Business Objects") and imbedded in Oracle Retail Store Inventory Management.

(vi) the software component known as **Access Via™** licensed by Access Via of Seattle, Washington, and imbedded in Oracle Retail Signs and Oracle Retail Labels and Tags.

(vii) the software component known as **Adobe Flex™** licensed by Adobe Systems Incorporated of San Jose, California, and imbedded in Oracle Retail Promotion Planning & Optimization application.

(viii) the software component known as **Style Report™** developed and licensed by InetSoft Technology Corp. of Piscataway, New Jersey, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.

(ix) the software component known as **DataBeacon™** developed and licensed by Cognos Incorporated of Ottawa, Ontario, Canada, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.

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 12.0.3BR documentation set:

- Oracle Retail Merchandising System Release Notes
- Oracle Retail Merchandising System User Guide
- Oracle Retail Merchandising System Online Help
- Oracle Retail Merchandising System Operations Guide
- Oracle Retail Merchandising System Data Model
- Oracle Retail Merchandising Batch Schedule

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

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

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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Preinstallation Tasks

Check Database Server Requirements

General Requirements for a database server running RMS include:

Supported on:	Versions Supported:
Database Server OS	OS certified with Oracle Database 10g Enterprise Edition. Options are: ▪ AIX5.2 ▪ AIX5.3 ▪ Solaris 9 (SPARC) ▪ HP-UX 11.23 (PARISC) ▪ Oracle Enterprise Linux 4 Update 4 for x86-64 (see the RMS on Oracle Enterprise Linux Specific Requirements table below)
Database Server	Oracle Database 10g Release 2 Enterprise Edition (minimum 10.2.0.2.0 patchset required) with the following patches and components: Patches: ▪ 5087548 (POST 10.2.0.2 PERMISSIONS ARE STILL WRONG FOR NETWORK/ADMIN AND LDAP DIRECTORIES) Components: ▪ Oracle Database 10g ▪ Oracle Partitioning ▪ Oracle Net Services ▪ Oracle Call Interface (OCI) ▪ Oracle Programmer ▪ Oracle XML Development Kit ANSI compliant C compiler (certified with OS and database version) Perl compiler 5.0 or later x-Windows interface

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 10g version 10.1.2.0.2. Options are: ▪ AIX5.2 ▪ AIX5.3 ▪ Solaris 9 (SPARC) ▪ HP-UX 11.23 (PARISC) ▪ Oracle Enterprise Linux 4 Update 4 for x86-64 (see the RMS on Oracle Enterprise Linux Specific Requirements table below)
Application Server	Oracle Application Server Forms and Reports 10g version 10.1.2.0.2

RMS on Oracle Enterprise Linux Specific Requirements

Supported on:	Versions Supported:
Database Server OS	Oracle Enterprise Linux 4 Update 4 for x86-64 Minimum kernel version kernel-smp-2.6.9-42.0.0.0.1.EL.x86_64
Database Server	Oracle RDBMS 10g Release 2 Enterprise Edition for Linux x86-64 Minimum 10.2.0.3 patchset and the following patches: ▪ 5397953 (ORA-07445: [KKPAPITGETALL()+2152] [SIGSEGV] [ADDRESS NOT MAPPED TO OBJECT])
Oracle Application Server	▪ Oracle Application Server 10g Release 2 (10.1.2.0.2) for Linux x86 ▪ Oracle Application Server 10g Release 3 (10.1.3.0) for Linux x86
Application Server OS	Oracle Enterprise Linux 4 Update 4 for x86-64 Minimum kernel version kernel-smp-2.6.9-42.0.0.0.1.EL.x86_64
Configuration requirement	Database server and application server should be configured with the “No RIB” option.

Check Web Browser and Client Requirements

General requirements for client running RMS include:

Product	Version
JRE Plug-in	Sun JRE Plug-in 1.4.1+
Operating System	Windows 2000 or XP
Processor	Pentium processor
Display resolution	1024x768 resolution
PC Configuration	minimum 256 MB RAM, 450 MHz
Internet Explorer	5.5, 6.0 and higher

Supported Oracle Retail Products

Requirement	Version
Oracle Retail Price Management (RPM)	12.0.3
Oracle Retail Allocation	12.0.3
Oracle Retail Invoice Matching (ReIM)	12.0.3
Oracle Retail Store Inventory Management (SIM)	11.1.2
Oracle Retail Warehouse Management System (RWMS)	12.0.3BR
Oracle Retail Data Warehouse (RDW)	12.0

Supported Oracle Retail Integration Technologies

Requirement	Version
Oracle Retail Extract, Transform and Load (RETL)	12.0.1
Oracle Retail Integration Bus (RIB)	12.0.1BR
Oracle Retail Service Layer (RSL)	12.0.1

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RAC and Clustering

The Oracle Retail Merchandising System has been validated to run in two configurations on Linux:

- Standalone Oracle Application Server and Oracle Database installations
- Real Application Clusters database and Oracle Application Server Clustering

The Oracle Retail products have been validated against a 10.2.0.3 RAC database. When using a RAC database, all JDBC connections should be configured to use OCI connections rather than THIN connections. It is suggested that when using OCI connections, the Oracle Retail products database be configured in the tnsnames.ora file used by the Oracle Application Server installations.

Clustering for Oracle Application Server 10.1.3 is managed as an Active-Active cluster accessed through a hardware Load Balancer. It is suggested that a VirtualHost be added to the OAS 10.1.3 reflecting the Virtual Server Name configured in the load balancer. It is also suggested that the OC4J select method be configured to prefer the use of local OC4J instances. The Oracle Retail products are currently not validated to be distributable at the application level in an OAS 10.1.3 cluster.

Clustering for Oracle Application Server 10.1.2.0.2 is managed as an Active-Active cluster accessed through a hardware Load Balancer. It is suggested that the Web Cache installation included with OAS 10.1.2.0.2 be configured to reflect all application server Mid-Tier installations. Validation has been completed utilizing a RAC 10.2.0.3 Oracle Internet Directory database with the OAS 10.1.2.0.2 cluster.

References for Configuration:

- Oracle® Application Server High Availability Guide 10g Release 3 (10.1.3) Part Number B15977-02
- Oracle® Application Server High Availability Guide 10g Release 2 (10.1.2) Part Number B14003-05
- Oracle® Database Oracle Clusterware and Oracle Real Application Clusters Administration and Deployment Guide 10g Release 2 (10.2) Part Number B14197-03

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Database Installation Tasks

Before you apply the RMS 12.0.3BR patch:

- Make a backup of all your objects and database schema.
- Check that RMS 12.0.3 is installed.
- Review the enclosed RMS 12.0.3 Patch Release Notes (rms-1203-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 RMS12DEV as the Oracle owning schema.

Mount CD-ROM on the Database Server

1. Copy the rms1203brdbpatch.zip file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:
   `unzip rms1203brdbpatch.zip`

Alter RMS Objects

Alter RIB Objects

1. Change directories to STAGING_AREA/rib_objects.
2. Log into sqlplus as RMS12DEV and run the following command:
   `SQL> @patch1203rib.sql`
3. Check the log file patch1203rib.log for any errors.

Alter RMS Tables

1. Change directories to STAGING_AREA/dbcs.
2. Log into sqlplus as RMS12DEV and run the following command:
   `SQL> @patch1203dbcs.sql`
3. Check the log file patch1203dbcs.log for any errors.

Alter RMS Database Objects

1. Change directories to STAGING_AREA/db_objects.
2. Log into sqlplus as RMS12DEV and run the following command:
   `SQL> @patch1203rms.sql`
3. Check the log file patch1203rms.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 invalid objects remain.

1. Change directories to STAGING_AREA/utility.
2. Log into sqlplus as RMS12DEV 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 RMS12DEV and run the following command:
   ```
   SQL> @patch1203ctl.sql
   ```
3. Check the log file patch1203ctl.log for any errors.

Insert Secondary Language Data

> **Note:** These scripts are only for customers who wish to have a primary language of English and a secondary language of Brazilian Portuguese. The scripts are UTF-8 encoded. We recommend installing them into a database that has been set to UTF-8.

1. Change directories to INSTALL_DIR/data/lang.
2. Set the sqlplus session so that the encoding component of the NLS_LANG is UTF8. For example AMERICAN_AMERICA.UTF8.
3. Log into sqlplus as RMS12DEV and run the following command:
   ```
   SQL> @c_rms12sec_ptb.sql
   ```
4. Check the log file c_rms12sec_ptb.log for any errors.

Insert Primary Language Data

> **Note:** These scripts are only for customers who have a primary language of Brazilian Portuguese. The scripts are UTF-8 encoded. We recommend installing them into a database that has been set to UTF-8.

1. Change directories to INSTALL_DIR/data/lang.
2. Set the sqlplus session so that the encoding component of the NLS_LANG is UTF8. For example AMERICAN.AMERICA.UTF8.
3. Log into sqlplus as RMS12DEV and run the following command:
   ```
   SQL> @c_rms12prim_ptb.sql
   ```
4. Check the log file c_rms12prim_ptb.log for any errors.

Alter Fiscal Management

Alter Fiscal Management DDL

1. Change directories to STAGING_AREA/rfm/dbcs.
2. Log into sqlplus as RMS12DEV and run the following command:
   ```
   SQL> @patchrfm1203dbcs.sql
   ```
3. Check the log file patchrfm1203dbcs.log for any errors noting that ORA-04043 errors and warnings are to be ignored.

Alter Fiscal Management Objects

1. Change directories to STAGING_AREA/rfm/db_objects.
2. Log into sqlplus as RMS12DEV and run the following command:
   ```
   SQL> @pricing1203rfm.sql
   ```
3. Check the log file pricing1203rfm.log for any errors noting that ORA-04043 errors are to be ignored.

Alter Fiscal Management Data

1. Change directories to STAGING_AREA/rfm/data.
2. Log into sqlplus as RMS12DEV and run the following command:
   ```
   SQL> @patchrfm1203ctl.sql
   ```

Check the log file patchrfm1203ctl.log for any errros.

Validate All Invalid Objects

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 RMS12DEV 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.

Set Environment Variables

1. Make sure the following variables are set:

   Note: INSTALL_DIR is the location where RMS 12 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:

   - LIBPATH=$ORACLE_HOME/lib:$MMHOME/oracle/lib/bin:$LDPATH
   - OBJECT_MODE=64
   - LINK_CNTRL=L_PTHREADS_D7

   HP:

   - SHLIB_PATH=$ORACLE_HOME/lib:$MMHOME/oracle/lib/bin:
   - $SH_LIBPATH

   Solaris:

   - LD_LIBRARY_PATH=$ORACLE_HOME/lib:
     $MMHOME/oracle/lib/bin:$LD_LIBRARY_PATH

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 the following 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 the following 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 the following 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 l10n-rms-depend 2>&1 | tee srcdpnd.log
   ```

4. Check the srcdpnd.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 mts.mk rms-ALL recs-ALL resa-ALL rtm-ALL l10n-rms-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 l10n-rms-install
   ```

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

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Application Server Installation Tasks

Mount CD-ROM on the Database Server

1. Copy the rms1202apppatch.zip file from the CD /appserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:
   `unzip rms1202apppatch.zip`

Set Environment Variables

> **Note:** ORACLE_HOME is the location where Oracle Application Server 10g (10.1.2.0.2) 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 (10.1.2.0.2) has been installed

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 12 schema.
>
> **Example:** /u00/oracle> sqlplus $UP

Solaris

- LD_LIBRARY_PATH=$ORACLE_HOME/lib:$ORACLE_HOME/jdk/jre/lib/sparc:$ORACLE_HOME/jdk/jre/lib/sparc/native_threads

HP-UX

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

AIX

- LD_LIBRARY_PATH=$ORACLE_HOME/lib:$ORACLE_HOME/lib32:$ORACLE_HOME/jdk/jre/lib
- LIBPATH=$LD_LIBRARY_PATH

RMS Toolset Installation

1. Copy all libraries (.pll files) in the INSTALL_DIR/toolset/src directory to the INSTALL_DIR/toolset/bin directory.
2. Change directories to INSTALL_DIR/toolset/bin.
3. Run pll2plx10gr2_toolset to compile all Toolset .pll's.

   Note: If the pll2plx10gr2_toolset script is not used and the libraries are compiled individually, then they must be compiled in the following order (which is noted in the pll2plx10gr2_toolset script):

   - messge45.pll
   - ariiflib.pll
   - stand45.pll
   - calend45.pll
   - find45.pll
   - item45.pll
   - tools45.pll
   - mblock45.pll
   - mview45.pll
   - nav45.pll
   - work45.pll
   - itnumtype.pll
   - hierfilter.pll
   - rmslib.pll
4. Check to make sure that each .pll file has a corresponding .plx (to ensure that all .pll's compiled successfully).
5. Remove all newly created .plx files.
6. Copy all forms (*.fmb files) in the INSTALL_DIR/toolset/src directory to the INSTALL_DIR/toolset/bin directory.
7. Run fmb2fmx10gr2_fm (in INSTALL_DIR/toolset/bin) to compile the Toolset reference forms.
8. Remove all newly created fm_*.fmx files (reference forms should not have executable files).

9. Run fmb2fmx10gr2 (in INSTALL_DIR/toolset/bin) to generate Toolset 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/toolset/bin directory.
11. 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
```

12. Copy all menus (*.mmb files) in the INSTALL_DIR/toolset/src directory to the INSTALL_DIR/toolset/bin directory.
13. Run mmb2mmx10gr2 (in INSTALL_DIR/toolset/bin) to generate Toolset runtime menus – .mmx's.
14. Check to make sure that each .mmb file has a corresponding .mmx file.

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

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

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.

11. 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
```

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.

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

RMS Reports Installation

1. Copy all the files from STAGING_AREA/reports/src to INSTALL_DIR/rms/reports/src.
2. Copy all reports (*.rdf files) in the INSTALL_DIR/rms/reports/src directory to the INSTALL_DIR/rms/reports/bin directory.
3. Run rdf2rep10gr2 (in INSTALL_DIR/rms/reports/bin) to generate Reports runtime reports – .rep's.

> **Note:** The following error messages may appear when running rdf2rep10gr2; 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

4. Check to make sure that each .rdf file has a corresponding .rep file.
5. Remove all .rdf files from INSTALL_DIR/rms/reports/bin.

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