Oracle® Retail Merchandising System

Installation Guide

Release 12.0.3

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ORACLE

Oracle® Retail Merchandising System Installation Guide, Release 12.0.3

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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 12.0.3 documentation set:

- Oracle Retail Merchandising System Release Notes
- Oracle Retail Merchandising System Online Help
- Oracle Retail Merchandising System User Guide
- Oracle Retail Merchandising System Operations Guide – Volume 1
- Oracle Retail Merchandising System Operations Guide – Volume 2
- Oracle Retail Merchandising System Operations Guide – Volume 3
- Oracle Retail Merchandising System Data Model
- Oracle Retail Merchandising Batch Schedule
- Oracle Retail Merchandising Implementation Guide
- Oracle Retail Integration Bus (RIB) documentation
- Oracle Retail Service Layer (RSL) documentation
- Oracle Retail Extract, Transform and Load (RETL) documentation
- Other Oracle Retail product documentation

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.

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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Pre-Installation Tasks

Check Database Server Requirements

General Requirements for a database server running RMS include:

- UNIX based OS certified with Oracle RDBMS 10g Enterprise Edition (options are AIX5.2, AIX5.3, Solaris 9 (SPARC), and HP-UX 11.23 (PARISC))
- Oracle RDBMS 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:

- UNIX based OS certified with Oracle Application Server 10g version 10.1.2.0.2 (options are AIX5.2, AIX5.3, Solaris 9 (SPARC), and HP-UX 11.23 (PARISC))
- Oracle Application Server Forms and Reports 10g version 10.1.2.0.2

Check Web Browser and Client Requirements

General requirements for client running RMS include:

- JRE Plug-in:
  - Sun JRE Plug-in 1.4.1+
- Client PCs:
  - Windows 2000 or XP with Pentium processor
  - 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)	12.0.3
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)	12.0.1
Oracle Retail Service Layer (RSL)	12.0.1

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Oracle Enterprise Linux

With the 12.0.3 release of the Oracle Retail Merchandising System, support for the Oracle Enterprise Linux operating system has been added, refer to Bug 5985761 for additional mandatory 12.0 setup steps. All pre-installation requirements for the Oracle Retail Merchandising System remain the same as stated in the RMS 12.0 installation guide, except for the following requirements which are specific to Oracle Enterprise Linux:

Operating System Version:

- 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

Oracle RDBMS

- Oracle RDBMS 10g Release 2 Enterprise Edition for Linux x86-64
- Minimum 10.2.0.3 patchset
- 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

Oracle Retail Merchandising System

- Configured with "No RIB" option

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RAC and Clustering

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

- Standalone OAS & RDBMS installations
- Real Application Cluster RDBMS & 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 12.0.3 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 12.0.2 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 rms1203dbpatch.zip file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:
   `unzip rms1203dbpatch.zip`

Alter Pricing Objects

Alter Pricing Types

1. Change directories to STAGING_AREA/pricing/types
2. Log into sqlplus as RMS12DEV and run the following command:
   `SQL> @pricing1203type.sql`
3. Check the log file pricing1203type.log for any errors noting that ORA-04043 errors and warnings are to be ignored.

Alter Pricing DDL

1. Change directories to STAGING_AREA/pricing/dbcs
2. Log into sqlplus as RMS12DEV and run the following command:
   `SQL> @pricing1203dbcs.sql`
3. Check the log file pricing1203dbcs.log for any errors.

Alter Pricing Objects

1. Change directories to STAGING_AREA/pricing/db_objects.
2. Log into sqlplus as RMS12DEV and run the following command:
   `SQL> @pricing1203rms.sql`
3. Check the log file pricing1203rms.log for any errors noting that ORA-04043 errors are to be ignored.

Alter Pricing Data

1. Change directories to STAGING_AREA/pricing/data.
2. Log into sqlplus as RMS12DEV and run the following command:
   `SQL> @pricing1203ctl.sql`
3. Check the log file pricing1203ctl.log for any errros.

Alter RMS Objects

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 any combination of the following: German, Spanish, French, Korean, Brazilian Portuguese, Japanese, Simplified Chinese or Traditional Chinese. 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> @rms12sec_<lang>.sql`
4. Check the log file rms12sec_<lang>.log for any errors.
   - <lang> is the country code for the language you wish to install.
   - all – all the secondary languages
   - de – German
   - es – Spanish
   - fr – French
   - ja – Japanese
   - ko – Korean
   - ptb – Brazilian Poruguese
   - zhs – Simplified Chinese
   - zht – Traditional Chinese

> **Note:** Multiple secondary languages can be added to a primary language install of English.

Insert Primary Language Data

> **Note:** These scripts are only for customers who wish to have a primary language of one of the following: German, Spanish, French, Korean, Brazilian Portuguese, Japanese, Simplified Chinese or Traditional Chinese. . The scripts are UTF-8 encoded. We recommend installing them into a database that has been set to UTF-8.
>
> The following scripts will prompt for a country code and a currency code. Make sure you use either a 2 or 3 letter country code based on what was chosen previously.

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> @rms12prim_<lang>.sql`

4. Check the log file rms12prim_<lang>.log for any errors.
   - <lang> is the country code for the language you wish to install.
   - de – German
   - es – Spanish
   - fr – French
   - ja – Japanese
   - ko – Korean
   - ptb – Brazilian Poruguese
   - zhs – Simplified Chinese
   - zht – Traditional Chinese

   Note: Only one language can be set as the primary langauge for the system.

Update RETL for RDW

Note: These steps only need to be done if you are using RDW.

Note: Refer to Appendix A & Appendix B for further information on RETL setup

Note: Some clean up of the retl for RDW directories are needed. These instructions should solve these issues.

1. Create a new directory INSTALL_DIR/retlforRDW/rfx/etc
2. Change directories to INSTALL_DIR/retlfor RDW/config
3. Copy all files from INSTALL_DIR/retlfor RDW/config to INSTALL_DIR/retlforRDW/rfx/etc
   ```
   cp -R * INSTALL_DIR/retl/rfx/etc
   ```
4. Change directories to INSTALL_DIR/retlforRDW/rfx
5. Rename the schemas directory to schema
   ```
   mv schemas schema
   ```
6. Change directories to STAGING_AREA/retlforRDW/
7. Copy all the files from this directory to retl install
   ```
   cp -R * INSTALL_DIR/retlforRDW
   ```

Update RETL for RPAS

Note: These steps only need to be done if you are using RPAS.

Note: Refer to Appendix A & Appendix B for further information on RETL setup

1. Change directories to STAGING_AREA/retlforRPAS/
2. Copy all the files from this directory to retl install
   ```
   cp -R * INSTALL_DIR/retlforRPAS
   ```

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 this command
   - make –f retek.mk depend 2>&1 | tee libdpnd.log
   - Check the libdpnd.log file for errors
4. To make batch libraries
   - make –f retek.mk retek rms resa 2>&1 | tee libretek.log
   - Check the libretek.log file for errors
5. To install batch libraries
   - 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 2>&1 | tee srcdpnd.log
   - Check the srcdpnd.log file for errors
4. 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 2>&1 | tee srcall.log
   - Check the srcall.log file for errors
5. To install batch programs
   - make –f mts.mk rms-install recs-install resa-install rtm-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:** Should .err files 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:** Should .err files be created by the compilation scripts above, these files are logs of the compilation process and can be removed.

A

Appendix: RMS RETL instructions

This Appendix summarizes the RETL program features utilized in the RMS Extractions (RMS ETL). More information about the RETL tool is available in the latest RETL Programmer's Guide. More information about RMS ETL is available in the RMS ETL operations guide.

Configuration

RETL

Before trying to configure and run RMS ETL, install RETL version 12.0 or later which is required to run RMS ETL. Run the "verify_retl" script (included as part of the RETL installation) to ensure that RETL is working properly before proceeding.

RETL users and permissions

It is recommended that a UNIX user is created for the installation and execution of the RMS RETL modules. This user must own a home directory in which the RMS RETL tar file will be extracted. The RMS RETL user must have the permissions to locate and execute the RETL tool executable. The RMS RETL user must also have the permissions to create directories and files, and to delete, write to, and execute files in the RMS RETL file structure. An existing UNIX user may be used, as long as the aforementioned criteria are met. In order to run the RMS RETL modules, it is also recommended that an RMS RETL-specific database user is created. This database user must have the permissions to connect to the RMS database via SQL*Plus, drop tables, create tables, analyze tables, and finally to update and insert into tables. An existing RMS database user may be used, as long as the aforementioned criteria are met.

RMS RETL installation

Log into the UNIX server from which the RMS RETL extractions will be run. It is recommended that the RMS RETL modules be installed on the same UNIX server that hosts the RMS database. FTP the RMS RETL tar file into the directory structure where the RMS RETL modules will be permanently stored (i.e. the home directory of the RMS RETL Unix user). Uncompress and extract the tar file as the RMS RETL user. The resultant directory structure is as follows:

```
<base_directory>/data/
           /error/
           /install/
           /log/
           /rfx/bookmark
           /rfx/etc/
           /rfx/include/
           /rfx/lib/
           /rfx/schema/
           /rfx/src/
```

Once the RMS RETL tar file has been uncompressed and extracted, ensure all files and directories have the required permissions for the RMS RETL user (please see the RETL users and permissions section).

B

Appendix: Data Warehouse Interface (DWI) UNIX Environment Setup

Installation instructions

The Retail Merchandising System (RMS) Extracts (for RDW) is a module released with RMS 12 allows the release of RMS to interface with the Retail Data Warehouse (RDW). The interface extracts must be installed on the same server and in the same database as RMS.

This code also contains code for the RPM and ReIM interface to RDW. More information on setting up dwi_config.env is given in the RMS 12.0 Operations Guide (Volume 3).

Configure RETL

1. Change directories to INSTALL_DIR/rfx/etc.
2. Modify the dwi_config.env script to match your environment:
   - Change the DBNAME variable to the name of RMS database.
   - Change the RPM_OWNER and RIM_OWNER variables to the username of the RPM table owner and ReIM table owner.
   - Verify the DB_ENV variable is set to ORA.
   - Change the RMS_OWNER variable to the username of the RMS table owner.
   - Change the BA_OWNER variable to the username of the RMS batch user.
   - Change the LOAD_TYPE to direct or conventional based on the requirements for SQL Loading.

Change the LANGUAGE variable to the appropriate two-letter language code for your environment. For an English installation the LANGUAGE variable should be set to en.

C

Appendix: Data Conversion

Merchandising Data Conversion Operations Guide

This guide is a reference for utilizing the data conversion loading tool. The guide describes the data conversion operations that begin with flat files produced from the databases of legacy applications. It details the content and format of each flat file required to perform the data conversion, as well as the tables created and populated by the conversion scripts.

This guide is for the members of the implementation team who plan and execute the migration of data at the retailer's site. The team includes the retailer's systems management, database management, systems analysis, and operations personnel. It also includes Oracle Retail and consultant support staff who assist in the implementation.

The Merchandising applications addressed by the Data Conversion Operations Guide include:

- Oracle Retail Merchandising System (RMS)
- Oracle Retail Sales Audit (ReSA)
- Oracle Retail Trade Management (RTM)
- Oracle Retail Price Management (RPM)

Install Data Conversion Scripts

1. Change directories to STAGING_AREA/data_conversion
2. Copy the external directory to INSTALL_DIR

```
> cp –R * INSTALL_DIR
```

3. Log into sqlplus as SYSTEM and run the following commands:

```
SQL> create or replace directory rms12dev_ext_data as
'INSTALL_DIR/external/data';
SQL> create or replace directory rms12dev_ext_logs as
'INSTALL_DIR/external/logs';
```

> **Note:** You need to replace INSTALL_DIR with your INSTALL_DIR and you can rename the external data and log directory.
>
> **Note:** The user that creates these directories owns them.
>
> **Note:** The data & logs directories should be chmoded 777.

4. Log into sqlplus as SYSTEM and grant access to them by running the following commands:

```
SQL> grant read on directory rms12dev_ext_data to public;
SQL> grant read, write on directory rms12dev_ext_logs to public
```