

**Oracle® Retail Merchandising System**  
Installation Guide  
Release 12.0.5

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# 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 12.0.5 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

## 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](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.

## 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.”

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**Note:** This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

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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 10.2.0.3.0 patchset required) with the following patches and components:

Patches:

- 5397953 (ORA-07445: [KKPAPITGETALL()+2152] [SIGSEGV] [ADDRESS NOT MAPPED TO OBJECT])

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
- Oracle Enterprise Linux Requirements

Operating System Version:

- Oracle Enterprise Linux 4 Update 4 for x86-64
- Minimum kernel version kernel-smp-2.6.9-42.0.0.1.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])
  - 5921386 WRONG RESULT WITH MERGE JOINT OUTER IN THE EXECUTION PLAN

Oracle Retail Merchandising System

- Configured with "No RIB" option

## 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 10.1.2.2 (options are AIX5.2, AIX5.3, Solaris 9 (SPARC), and HP-UX 11.23 (PARISC))
- Oracle Application Server Forms and Reports 10g version 10.1.2.2
- Patches:
  - 5123798 ERROR WHEN PASSING COMPOSITE PARAMETERS TO SP FROM 64BIT CLIENT (HP-UX PA-RSC 11.23)
- Oracle Enterprise Linux

**Operating System Version:**

- Oracle Enterprise Linux 4 Update 4 for x86-64
- Minimum kernel version kernel-smp-2.6.9-42.0.0.1.EL.x86\_64

**Oracle Application Server**

- Oracle Application Server 10g Release 2 (10.1.2.2) 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

## 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

<b>Product</b>	<b>Version</b>
Oracle Retail Price Management (RPM)	12.0.5
Oracle Retail Allocation	12.0.5
Oracle Retail Invoice Matching (ReIM)	12.0.5
Oracle Retail Store Inventory Management (SIM)	12.0
Oracle Retail Warehouse Management System (RWMS)	12.0.5
Oracle Retail Data Warehouse (RDW)	12.0

## Supported Oracle Retail Integration Technologies

<b>Integration Technology</b>	<b>Version</b>
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

## Supported Oracle Applications

<b>Requirement</b>	<b>Version</b>
Oracle E-Business Suite	11.5.10 or 12.0.2



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## RAC and Clustering

Real Application Cluster RDBMS & Oracle Application Server Clustering for Oracle Retail Merchandising System has been validated to run only on Linux:

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 10.1.2.2 is managed as an Active-Active cluster accessed through a hardware Load Balancer. It is suggested that the Web Cache installation included with OAS 10.1.2.2 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 10.1.2.2 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 12.0.5 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 12.0.4 is installed.
- Review the enclosed RMS 12.0.5 Patch Release Notes (rms-1205-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.

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**Note:** These instructions refer to RMS12DEV as the Oracle owning schema.

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### Mount CD-ROM on the Database Server

1. Copy the rms1205dbpatch.zip file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:  
`unzip rms1205dbpatch.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> @pricing1205types.sql`
3. Check the log file pricing1205types.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> @pricing1205dbcs.sql`
3. Check the log file pricing1205dbcs.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> @pricing1205rms.sql
3. Check the log file pricing1205rms.log for any errors noting that ORA-04043 errors are to be ignored.

## Alter RMS Objects

### Alter RMS Tables

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**Note:** The dbc script requires the role CC\_ACCESS please log in as a user able to create roles and create the role.

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1. Change directories to STAGING\_AREA/dbcs.
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @patch1205dbcs.sql
3. Check the log file patch1205dbcs.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> @patch1205rms.sql
3. Check the log file patch1205rms.log for any errors.

### Validate all Invalid Objects

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**Note:** Deadlocked objects may appear when running this script. This is expected. Run the script until no invalid objects remain.

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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

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**Note:** Please ensure that you have your NLS\_LANG set to UTF-8. For example AMERICAN\_AMERICA.UTF8

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1. Change directories to STAGING\_AREA/data.
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @patch1205ctl.sql
3. Check the log file patch1205ctl.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, Italian, Korean, Russian, 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/<lang>`  
`<lang>` is the country code for the language you wish to install.
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> @ patch1205ctl_<lang>_sec.sql`
4. Check the log file `patch1205ctl_<lang>_sec.log` for any errors.
  - `<lang>` is the country code for the language you wish to install.
  - de - German
  - es - Spanish
  - fr - French
  - it - Italian
  - ja - Japanese
  - ko - Korean
  - ptb - Brazilian Portuguese
  - ru - Russian
  - zhs - Simplified Chinese
  - zht - Traditional Chinese

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

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## Insert Primary Language Data

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**Note:** These scripts are only for customers who wish to have a primary language of one of the following: German, Spanish, French, Italian, Russian, 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/<lang>`  
`<lang>` is the country code for the language you wish to install.
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> @patch1205ctl\_<lang>\_prim.sql
4. Check the log file patch1205ctl\_<lang>\_prim.log for any errors.
  - <lang> is the country code for the language you wish to install.
  - de - German
  - es - Spanish
  - fr - French
  - it - Italian
  - ja - Japanese
  - ko - Korean
  - ptb - Brazilian Portuguese
  - ru - Russian
  - zhs - Simplified Chinese
  - zht - Traditional Chinese

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

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## Update RETL for RDW

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

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

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1. Change directories to STAGING\_AREA/retl/rfx/etc.
2. Copy all the files from this directory to INSTALL\_DIR/retl/rfx/etc.  
cp -R \* INSTALL\_DIR/retl/rfx/etc
3. Change directories to STAGING\_AREA/retl/rfx/lib.
4. Copy all the files from this directory to INSTALL\_DIR/retl/rfx/lib.  
cp -R \* INSTALL\_DIR/retl/rfx/lib
5. Change directories to STAGING\_AREA/retl/rfx/schema.
6. Copy all the files from this directory to INSTALL\_DIR/retl/rfx/schema.  
cp -R \* INSTALL\_DIR/retl/rfx/schema
7. Change directories to STAGING\_AREA/retl/rfx/src.
8. Copy all the files from this directory to INSTALL\_DIR/retl/rfx/src.  
cp -R \* INSTALL\_DIR/retl/rfx/src

## Compile RMS Batch Libraries and Programs

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**Note:** Warning messages may appear during the compilation of the batch. These warnings can be ignored if the batch executables are successfully generated.

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### Set Environment Variables

1. Make sure the following variables are set:

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**Note:** INSTALL\_DIR is the location where RMS 12 was installed.

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Make sure the path for make, makedepend, and the compiler are in \$PATH environment variable.

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- 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

#### Oracle Enterprise Linux:

- 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
  - for Oracle Enterprise Linux run this command:
    - make -f retek.mk -r 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 librettek.log`
  - for Oracle Enterprise Linux run this command:
  - `make -f retek.mk -r retek rms resa 2>&1 | tee librettek.log`
  - Check the librettek.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. Copy the files from `STAGING_AREA/batch/proc/bin` to `INSTALL_DIR/rms/oracle/proc/bin`.
3. Change directories to `INSTALL_DIR/rms/oracle/proc/src`.
4. To make dependencies run the following command:
  - `make -f mts.mk rms-depend recs-depend rtm-depend resa-depend 2>&1 | tee srcdpnd.log`
  - for Oracle Enterprise Linux run this command:
  - `make -f mts.mk -r rms-depend recs-depend rtm-depend resa-depend 2>&1 | tee srcdpnd.log`
  - 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 2>&1 | tee srcall.log`
  - for Oracle Enterprise Linux run the following commands:
  - `make -f rms.mk -r PRODUCT_PROCFLAGS=dynamic=ansi ditinsrt`
  - `make -f mts.mk -r rms-ALL recs-ALL resa-ALL rtm-ALL 2>&1 | tee srcall.log`
  - Check the srcall.log file for errors
6. 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 rms1205apppatch.zip file from the CD /appserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:  

```
unzip rms1205apppatch.zip
```

## Set Environment Variables

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**Note:** ORACLE\_HOME is the location where Oracle Application Server 10g (10.1.2.0.2) has been installed

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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:

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**Note:** ORACLE\_HOME is the location where Oracle Application Server 10g (10.1.2.0.2) has been installed

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- **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>

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**Note:** Verify that TNS is set up correctly by using the UP variable to successfully log into the RMS 12 schema.

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**Example:** /u00/oracle> sqlplus \$UP

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- **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
- **Oracle Enterprise Linux**
  - LD\_LIBRARY\_PATH=\$ORACLE\_HOME/lib:\$ORACLE\_HOME/lib32:\$ORACLE\_HOME/jdk/jre/lib

## 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 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.

---

## Verify and update Helpfile Installation

1. Unzip `web_help.zip` from `<staging area>/webhelp` at this spot `<INSTALL>/web_html`
2. Help file structure should be something similar to:  
`/u1/app/rmsprd/web_html/helpfiles/english/rms`
3. Make sure the `rhelpl.pl` is in the `/java/help/` directory - `$HELP_DIR/web_html/help/rhelpl.pl`
4. Edit the `http.conf` file and directory name where help files are located. Edit the OAS 10.1.2.x Application server `httpd.conf` file by adding the updated `rms12unix.conf` entries to the end of the `httpd.conf`:
  - a. Add this in the `httpd.conf` file to use the perl script. It should go just above the aliases:

Alias `/java/help/` "`$HELP_DIR/web_html/help/`" (This should be pointed to the "java/help" alias to the `rhelpl.pl`)

```
.  
#PerlRequire  
<Location /java/help>  
SetHandler perl-script  
PerlHandler Apache::Registry  
AddHandler perl-script .pl  
Options +ExecCGI
```

```
PerlSendHeader On
</Location>
```

- b. Set the aliases set up in the http.conf file. Add these aliases to the end of the file

```
.
Alias /web_gif/ "$HELP_DIR/web_html/gif/"
Alias /en/ "$HELP_DIR/web_html/helpfiles/english/"

Alias /EN/ "$HELP_DIR/web_html/helpfiles/english/"
Alias /english/ "$HELP_DIR/web_html/helpfiles/english/"
Alias /french/ "$HELP_DIR/web_html/helpfiles/french/" ## If a French
language customer
Alias /temp/ "$HELP_DIR/web_html/temp/"
.
```

---

**Note:** Point the "en", "EN", and "english" alias to the rms directory, one level above the help files and include all variations of the "english" directory:

Create a directory to put these files. We will call this the \$HELP\_DIR for this example. This will have the following structure

```
$HELP_DIR/web_html/gif
$HELP_DIR/web_html/help
$HELP_DIR/web_html/helpfiles/english/rms ## They
may have a different language and make adjustments here:
$HELP_DIR/web_html/temp
```

---

5. Make sure the \*.gif files in the \$HELP\_DIR/web\_html/gif directory
6. Make sure there is a "forms" directory and that the form files (for example, fm\_rtkstrtw\_main.htm) are located in the forms directory:

```
$HELP_DIR/web_html/helpfiles/english/rms/forms/forms_q_r/fm_rtkstrtw_main.htm
```

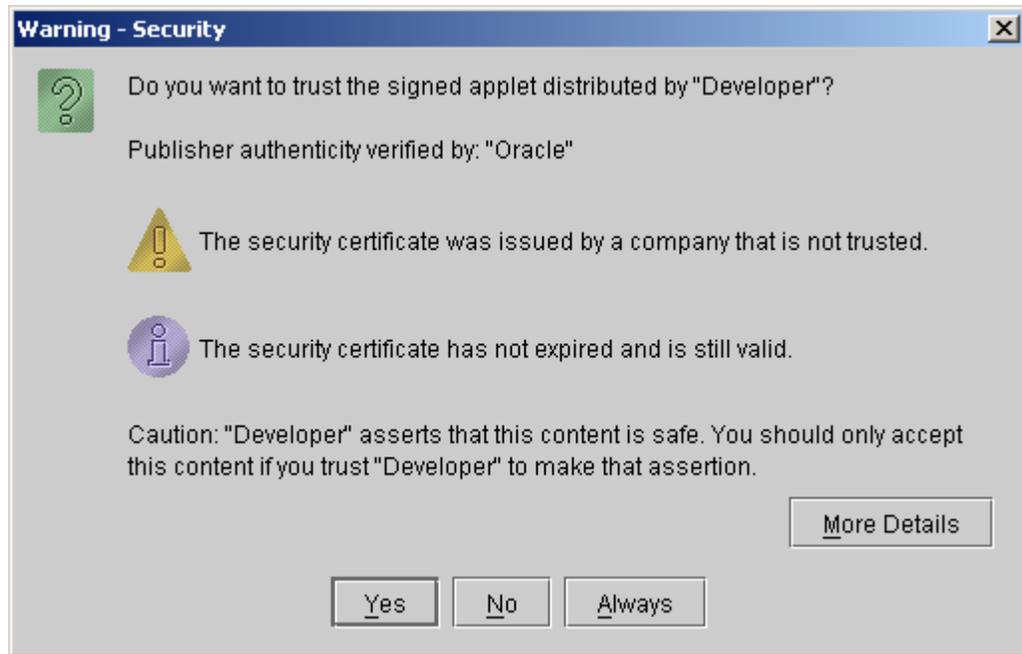
7. Reload the Oracle HTTP Server. A full shutdown and start up of the OAS 10.1.2.x HTTP server will cause the configuration file changes to take effect.
  - a. Do a process grep on any OAS process to make sure they come down:

```
ps -ef | grep <user_name> | grep <OAS_NAME> (for example, ps -ef | grep retailadm | grep 10.1.2.0.2_midtier)
```
8. The URL for the help files should launch successfully in this structure of a URL for english help files:

```
http://<server>:<http_port>//java/help/rhelp.pl?DIRECTORY=_port>//en&FILENAME=forms/forms_q_r/fm_rtkstrtw_main.htm&RTKPRODUCT=RMS
```
9. Load RMS in Forms 10gR2 mode by entering the following url in a browser. Prior to testing, the Sun JRE 1.4.1+ plug-in needs to be installed on the client machine. The plug-in can be downloaded from <http://java.sun.com/>.
  - `http://<server>:<port>/forms/frmservlet?config=<env>`
  - server = name or IP address of server where Oracle AS 10gR2 is running
  - port = Value of the "Listen" setting in `AS10G_ORACLE_HOME/Apache/Apache/conf/httpd.conf` (default value is 7778)
  - env = name of the environment in brackets in formsweb.cfg (from step 7 above).

**Example:** <http://server:7778/forms/frmservlet?config=rms>

**Note:** The first time RMS is accessed, the user will be prompted with the following security warning. Click Yes.



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## 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).



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# 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`.