

Oracle® Retail Data Warehouse
Installation Guide
Release 13.0.2

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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

You can find more information about this product in these resources:

- *Oracle Retail Data Warehouse Release Notes*
- *Oracle Retail Data Warehouse User Guide*
- *Oracle Retail Data Warehouse Data Model*
- *Oracle Retail Data Warehouse Operations Guide*
- *Oracle Retail Data Warehouse Implementation Guide*

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

<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.

Preinstallation Tasks

Implementation Capacity Planning

There is significant complexity involved in the deployment of Oracle Retail applications, and capacity planning is site specific. Oracle Retail strongly suggests that before installation or implementation you engage your integrator (such as the Oracle Retail Consulting team) and hardware vendor to request a disk sizing and capacity planning effort.

Sizing estimates are based on a number of factors, including the following:

- Workload and peak concurrent users and batch transactions
- Hardware configuration and parameters
- Data sparcity
- Application features utilized
- Length of time history is retained

Additional considerations during this process include your high availability needs as well as your backup and recovery methods.

Check Database Server Requirements

General Requirements for a database server running RDW include:

Supported on:	Versions Supported:
Database Server OS	<p>OS certified with Oracle Database 10g Enterprise Edition. Options are:</p> <ul style="list-style-type: none"> ▪ Oracle Enterprise Linux 4 Patch 5 ▪ Solaris 10 (SPARC) ▪ HP-UX 11.31 (Integrity) ▪ AIX 5.3
Database Server	<p>Oracle Database 10g Release 2 Enterprise Edition (minimum 10.2.0.3 patchset required) with the following patches and components:</p> <p>Patches:</p> <ul style="list-style-type: none"> ▪ 5397953 (ORA-07445: [KKPAPITGETALL()+2152] [SIGSEGV] [ADDRESS NOT MAPPED TO OBJECT] [0X34]) ▪ 5648872 (SCHEDULER ORA-07445 [OPIDSA()+321] WHEN SETTING UP CHAIN TEST) ▪ 5921386 (WRONG RESULT WITH MERGE JOINT OUTER IN THE EXECUTION PLAN) <p>RAC Only</p> <ul style="list-style-type: none"> ▪ 5721821 (ORA-7445[KGLOBCL] OCCURED AND INSTANCE WENT DOWN) <p>Components:</p> <ul style="list-style-type: none"> ▪ Oracle Database 10g ▪ Oracle Partitioning ▪ Oracle Net Services ▪ Oracle Call Interface (OCI) ▪ Oracle Programmer ▪ Oracle XML Development Kit <p>ANSI compliant C compiler (certified with OS and database version)</p> <p>Perl compiler 5.0 or later</p> <p>x-Windows interface</p>

Verify Single Sign-On

If a Single Sign-On is to be used, verify the Oracle Infrastructure Server 10g version 10.1.2.2 server has been installed. Verify the Mid-Tier server hosting Oracle FoRDW is registered with the Infrastructure Oracle Internet Directory.

Check Web Browser and Client Requirements

General requirements for client running RDW include:

Requirement	Version
Operating system	Windows 2000 or XP
Display resolution	1024x768
Processor	Pentium processor (minimum 450 MHz)
Memory	minimum of 256 MB RAM
Sun JRE Plug-in	1.4.1+
Microsoft Internet Explorer	version 5.5, 6.0 and higher

Supported Oracle Retail Products

Requirement	Version
Oracle Retail Merchandising System (RMS)/Oracle Retail Oracle Retail Sales Audit (ReSA)	13.0.2
Oracle Retail Invoice Matching (ReIM)	13.0.2
Oracle Retail Price Management (RPM)	13.0.2
Oracle Retail Merchandise Financial Planning (MFP)	13.0.2

Supported Oracle Retail Integration Technologies

Integration Technology	Version
Oracle Retail Extract, Transform and Load (RETL)	13.0.2
Oracle Retail Integration Bus (RIB)	13.0.2
Oracle Retail Service Layer (RSL)	13.0.2

Create Staging Directory for RDW Database Schema Patch

1. Log into the database server as oretail.
2. Create a staging directory for the RDW database schema patch.
3. Copy the rdw13.0.2-code.zip and rdw13.0.2-db.zip files from the RDW 13.0.2 release to the staging directory. This is referred to as DB_PATCH_DIR when installing database software.
4. Change directories to DB_PATCH_DIR and extract the rdw13.0.2-code.zip and rdw13.0.2-db.zip files.

Create Staging Directory for RDW Application Server Files

1. Log into the application server as the oretail user.
2. Create a staging directory for the RDW application patch files.
3. Copy the file rdw13.0.2-metadata.zip from the RDW 13.0.2 release to staging directory. This will be referred to as APP_PATCH_DIR when installing application software.
4. Change directories to APP_PATCH_DIR and extract the file rdw13.0.2-metadata.zip.

Note: A new truncate table procedure (truncate_rdw_tbl.pls) is supplied in this release. Make sure to compile this procedure before using it. This procedure is used by the new aggregation programs.

Patch RDW Database

Before you apply the RDW 13.0.2 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 13.0.2 is installed.
- Review the enclosed RDW 13.0.2 Patch Release Notes (rdw-1302-rn.pdf).
- Review each of the enclosed defect 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 RDW13DM as the Oracle owning schema.

Alter RDW DDL

1. Change directories to STAGING_AREA/rdw/ddl.
2. Copy the contents of this directory to the INSTALL_DIR/rdw/rdw/ddl
3. Follow the Partitioning section of the *RDW 13.0.1 Installation Guide* (Establish Data Warehouse Partitioning Strategy)
4. When the partitioning strategy is decided, log in to SQL*Plus as RDW13DM and run the following command:
`SQL> @rdw_part1302.tab`

Update RDW Data

1. Change directories to STAGING_AREA/dbasql
2. Log in to SQL*Plus as RDW13DM and run the following command:
`SQL> @patch1302ctl.sql`
3. Check the log file patch1302ctl.log for any errors.
4. Provide necessary grants for the new tables created:
Grant SELECT, INSERT, UPDATE, DELETE privileges to RDW13DEV for newly created tables.

Update RDW Language Data

1. Change directories to STAGING_AREA/install.
2. Set the SQL*Plus session so that the encoding component of the NLS_LANG is UTF8.
For example, AMERICAN_AMERICA.UTF8
3. Log in to SQL*Plus as RDW13DM and run the following command:

```
SQL> @RDW1302_LOCALIZATION_DM_<lang>.SQL
```

 - <lang> is the country code for the language you wish to install.
 - DE – German
 - ES– Spanish
 - FR – French
 - IT - Italian
 - JA – Japanese
 - KO – Korean
 - PT-BR – Brazilian Portuguese
 - RU - Russian
 - ZH – Simplified Chinese
 - ZH-TW – Traditional Chinese

Update Synonyms

1. Login to SQL*Plus as RDW13SYS and create synonyms for the new aggregate tables created on RDW13DM schema.

Update RETL Scripts

1. Change directories to STAGING_AREA/rfx/src.
2. Copy all the files from this directory to INSTALL_DIR/repl/rfx/src.

```
cp -R * INSTALL_DIR/repl/rfx/src
```

Metadata Installation Tasks

Merge the Oracle Business Intelligence Enterprise Edition Repository

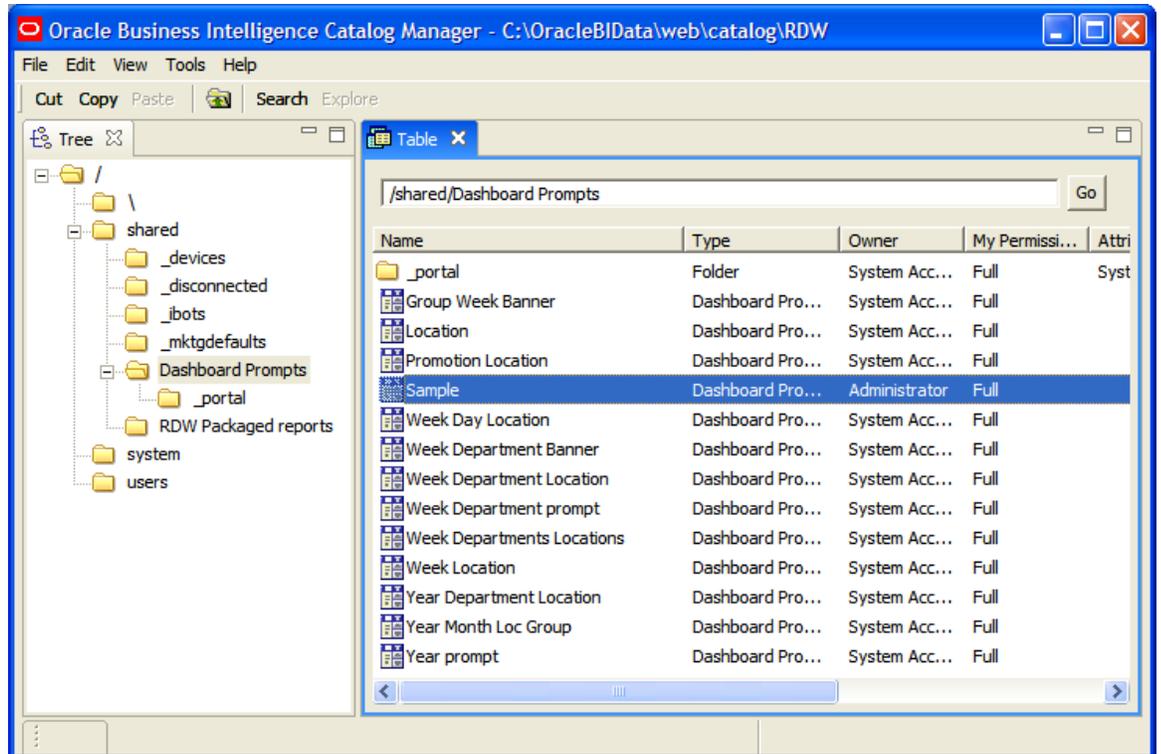
This process is not required if there are no customizations to the 13.0.1 repository and want to apply all the defects associated with this patch. Make a copy of the existing repository (.rpd) and replace it with the repository supplied with this patch that includes 13/13.0.1 code in addition to specific changes listed in the defect documents.

If there are any customizations then there is a utility in Oracle BI EE called Merge which is used to apply required/specific changes. For details on merging repositories, refer to the "Completing Setup and Managing Oracle BI Repository Files" chapter of the Oracle Business Intelligence Server Administration Guide.

Copy Catalog Objects

This procedure is required if the defect # 7246651 is applied.

1. Launch Catalog Manager.
2. Select File → Open Catalog and browse to the 13.0.1 catalog by selecting the Type as offline.
3. Click OK.
4. Browse to the Dashboard Prompts under the Shared folder.
5. Launch another session of Catalog Manager.
6. Select File → Open Catalog and browse to the 13.0.2 catalog by selecting Type as offline.
7. Click OK
8. Browse to the Dashboard Prompts under Shared folder.
9. Copy the object by name "Sample" as shown in the below screenshot.



10. Go back to step 4 and paste it in Dashboard Prompts under the Shared folder of the 13.0.1 catalog.
11. Close both sessions of the Catalog Manger.
12. Restart the Presentation Service.

Appendix: Installation Order

This section provides a guideline as to the order in which the Oracle Retail applications should be installed. If a retailer has chosen to use some, but not all, of the applications the order is still valid less the applications not being installed.

1. Oracle Retail Merchandising System (RMS), Oracle Retail Trade Management (RTM), Oracle Retail Sales Audit (ReSA)
2. Oracle Retail Service Layer (RSL)
3. Oracle Retail Extract, Transform, Load (RETL)
4. Oracle Retail Active Retail Intelligence (ARI)
5. Oracle Retail Warehouse Management System (RWMS)
6. Oracle Retail Allocation
7. Oracle Retail Invoice Matching (ReIM)
8. Oracle Retail Price Management (RPM)

Note: During installation of RPM, you are asked for the RIBforRPM provider URL. Since RIB is installed after RPM, make a note of the URL you enter. If you need to change the RIBforRPM provider URL after you install RIB, you can do so by editing the `jndi_provider.xml` file.

9. Oracle Retail Central Office (ORCO)
10. Oracle Retail Back Office (ORBO) or Back Office with Labels and Tags (ORLAT)
11. Oracle Retail Store Inventory Management (SIM)

Note: During installation of SIM, you are asked for the AIP provider URL. Since AIP is installed after SIM, make a note of the URL you enter. If you need to change the AIP provider URL after you install AIP, you can do so by editing the `jndi_providers_ribclient.xml` file.

12. Oracle Retail Predictive Application Server (RPAS)
13. Oracle Retail Merchandise Financial Planning (MFP)
14. Oracle Retail Size Profile Optimization (SPO)
15. Oracle Retail Assortment Planning (AP)
16. Oracle Retail Item Planning (IP)
17. Oracle Retail Item Planning configured for COE (IPCOE)
18. Oracle Retail Advanced Inventory Planning (AIP)
19. Oracle Retail Integration Bus (RIB)
20. Oracle Retail Point-of-Service (ORPOS)
21. Oracle Retail Mobile Point-of-Service (ORMPOS)
22. Oracle Retail Analytics Applications
23. Oracle Retail Data Warehouse (RDW)
24. Oracle Retail Workspace (ORW)