Oracle® Retail Replenishment Optimization

Installation Guide

Release 13.1.1

October 2009

ORACLE®

Oracle Retail Replenishment Optimization Installation Guide, Release 13.1.1

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Primary Author: Melissa Artley

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Contents

Preface xi

Audience xi
Related Documents xi
Customer Support xi
Review Patch Documentation xii
Oracle Retail Documentation on the Oracle Technology Network xii
Conventions xii

1 Introduction

Hardware and Software Requirements 1-1
Supported Oracle Retail Products 1-2

2 Installing RO on UNIX Environments

Preparation 2-1
Environment Variable Setup Script 2-1
Extracting the Replenishment Optimization Installation Package 2-2
Installation Instructions 2-2

A Appendix: Installation Order

Enterprise Installation Order A-1

List of Tables

1–1 Hardware and Software Requirements 1-1
1–2 Supported Oracle Retail Products 1-2

List of Figures

2–1 RO Installation Screen 2-3
2–2 Base Paths for Solution Screen 2-4
2–3 Domain Installation Paths Screen 2-5
2–4 Install Tasks Screen 2-6
2–5 Installation Progress Screen 2-7
2–6 Complete Screen 2-8

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 Replenishment Optimization Release 13.1.1 documentation set:

- *Oracle Retail Replenishment Optimization Release Notes*
- *Oracle Retail Replenishment Optimization User Guide*
- *Oracle Retail Replenishment Optimization 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 recreate
- 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

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

Introduction

This document provides detailed instructions on how to install a Replenishment Optimization (RO) domain using a configuration created via the RPAS Configuration Tools. This document does not describe how to create the actual configuration.

Supplemental installations guides are referenced in this document. The *RPAS Installation Guide* and *RPAS Configuration Tools User Guide* must be obtained prior to beginning the installation process. Read these documents in their entirety before beginning the installation.

Hardware and Software Requirements

Table 1–1 Hardware and Software Requirements

Release Information	Details
Supported RPAS version	13.1.1
Supported OS, Server, and Compilers	■ Sun Solaris 10: GCC 4.2.3 (32 bit) ■ AIX 5.3 (TL5 or greater): GCC 4.1.1 (32 bit) ■ AIX 6.1 (TL2, SP3): GCC 4.3.3 (32 bit) ■ HP-UX 11.31 (Itanium): ACC 6.20 (64 bit) ■ Oracle Enterprise Linux 5, Update 2 (OEL 5.2): GCC 4.1.1 (64 bit)
Supported OS, Client	Windows XP and Vista
Required 3rd Party Software	Java Development Kit (JDK) 1.5 or higher Note: JDK 1.6 is also certified, but it is not necessary to upgrade to JDK 1.6.

Supported Oracle Retail Products

Table 1–2 Supported Oracle Retail Products

Requirement	Version
Oracle Retail Analytic Paramater Calculator Replenishment Optimization (APC RO)	13.0.4
Oracle Retail Demand Forecasting (RDF)	13.1.1
Oracle Retail Advanced Inventory Planning (AIP)	13.1.1

2

Installing RO on UNIX Environments

The installation of the server-side RPAS components on UNIX operating systems is accomplished using a Java-based installation program that is included with the installation package.

The RO Installer automates the following:

- Installation of the RO mock install configuration
- Custom configuration of make_domain.ro script for creating domains
- Creation of sample RO domain

This document assumes that the RPAS Installer process (from the *RPAS Installation Guide*) has been completed prior to using the RO Installer.

Preparation

The RPAS components required prior to this installation process are available from Oracle's E-Delivery Web site, http://edelivery.oracle.com/, and My Oracle Support, https://metalink.oracle.com.

If you are installing any RPAS solution on HP Itanium, you need to set the 64-bit Configuration Tools environment variable for Java as shown below:

```
export RIDE_OPTIONS=-d64
```

Environment Variable Setup Script

Before running the solution installer, run the **retaillogin.ksh** script. The script is located in the root of the base directory where RPAS was installed unless the default was overwritten when specifying directory paths.

Source the script from inside the directory where the script is located:

```
. ./retaillogin.ksh
```

OR

Include the full path after the period ".":

```
. /<base_directory>/retaillogin.ksh
```

Note: The preceding period and space (". ") must be included at the beginning of the command when executing the script.

Note: Include this path and script in the .profile in your home directory (~/.profile) if you want to have this environment setup script run during login.

This script will set up environment variables, such as RPAS_HOME and RIDE_HOME, which are required for RPAS to run properly.

Extracting the Replenishment Optimization Installation Package

Perform the following procedure to extract the installation package.

1. Create an installation directory from which the RO installation routine will be run. This directory will be referred to as [RO Installation].
2. Download the package from Oracle E-Delivery, and transfer the archive to the [RO Installation] directory on the target server using FTP. Use 'binary' mode to transfer the archive.
3. Extract the main package to the [RO Installation] directory.
   ```
   cd [RO Installation]
   unzip RO.zip
   ```
4. Extract the RO Installer.
   ```
   cd CDROM
   upzip ro.zip
   ```

Installation Instructions

Perform the following procedures to install RO.

1. Change to the RO Installer directory and run the following command:
   ```
   cd ro
   ./install.sh
   ```

   Note: The command must be executed with the preceding period and forward slash.

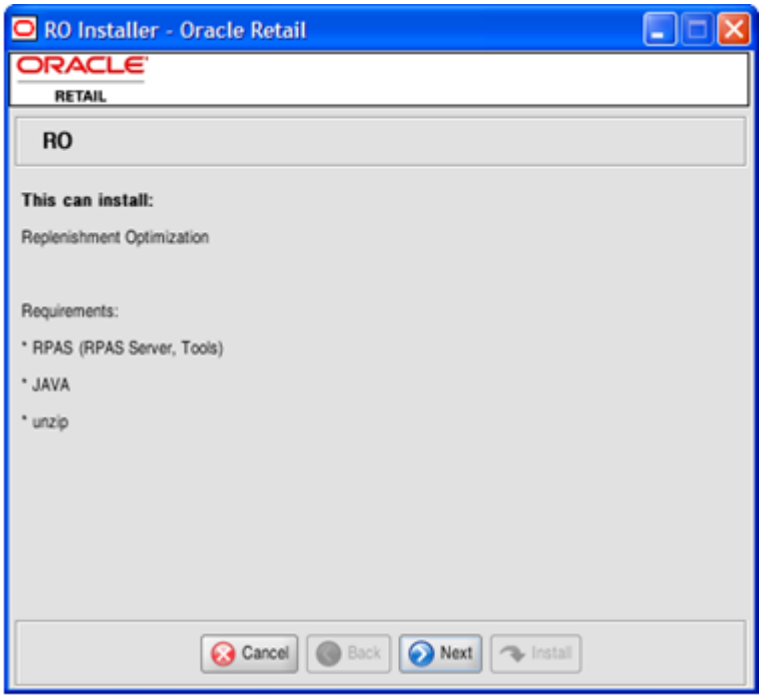
   If this process is performed on an X-Windows emulator (such as Exceed), a graphical user interface to the Installer appears. If you are running in console mode through a terminal emulator, a text interface to the Installer appears.

   In both cases, the requested information is identical but displayed differently. In the GUI you may be shown a check box to signal whether you want a component installed; in text mode, you will be prompted for a response of yes or no.

   Note: In text mode, the default value will appear in square brackets. To use the default value and continue, simply press **Enter**. If you wish to use a different value, enter the new value. When prompted to create a directory respond with "y" or "yes" and press **Enter**.

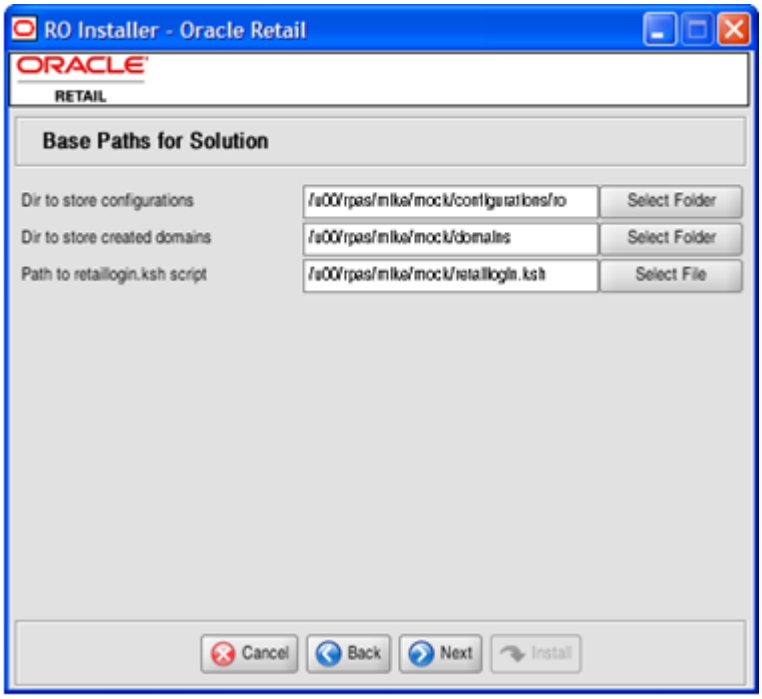
2. The RO Installer screen appears and shows the components that will be installed during installation process as well as other required components. Click **Next** to continue.

Figure 2–1 RO Installation Screen



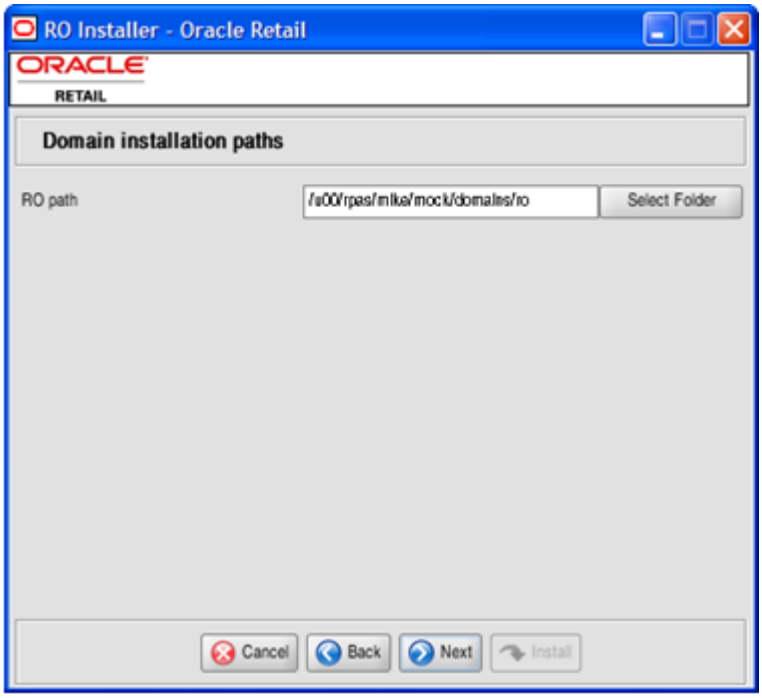
3. The Base Paths for Solution screen appears. Enter the following information and click **Next** to continue:
   - Directories to store the configuration.
   - Directory to store created domains for this solution (used to create domain paths on following page).
   - Path to the retailogin.ksh script created during RPAS installation

Figure 2–2 Base Paths for Solution Screen



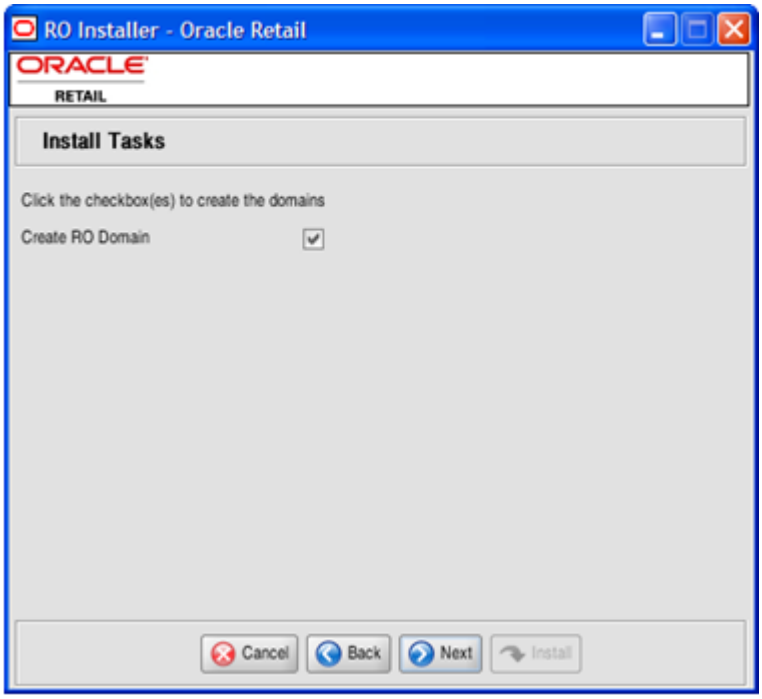
4. The Domain Installation Paths screen appears. Enter the path to the RO domain to be created and click **Next** to continue.

Figure 2–3 Domain Installation Paths Screen



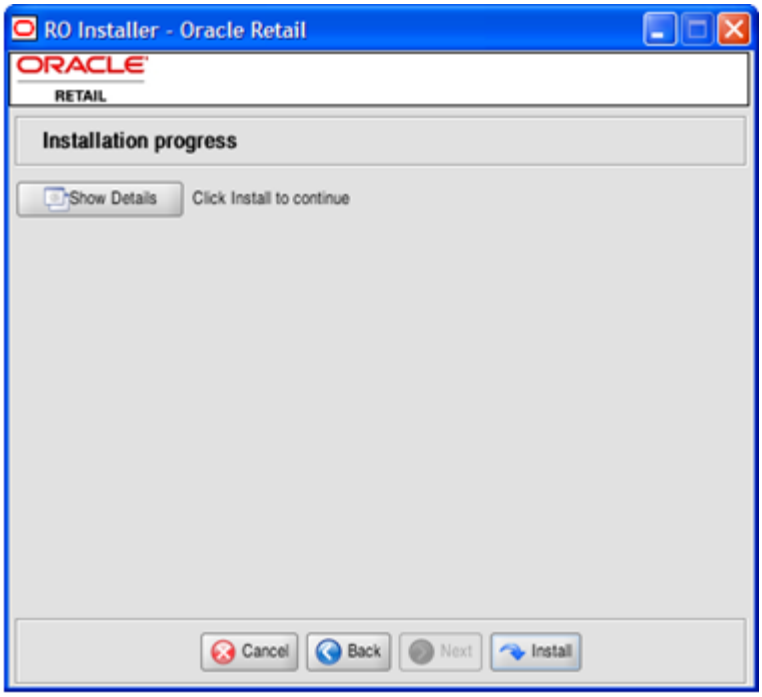
5. The Install Tasks screen appears. If you want to create the RO domain, select **Create RO Domain** and click **Next** to continue. If you want to install all required components to support the RO domain, but not create the actual RO domain, uncheck the **Create RO Domain** option and click **Next** to proceed.

Figure 2–4 Install Tasks Screen



6. The Installation Progress screen appears. Click **Install** to begin installing RO.

Figure 2–5 Installation Progress Screen

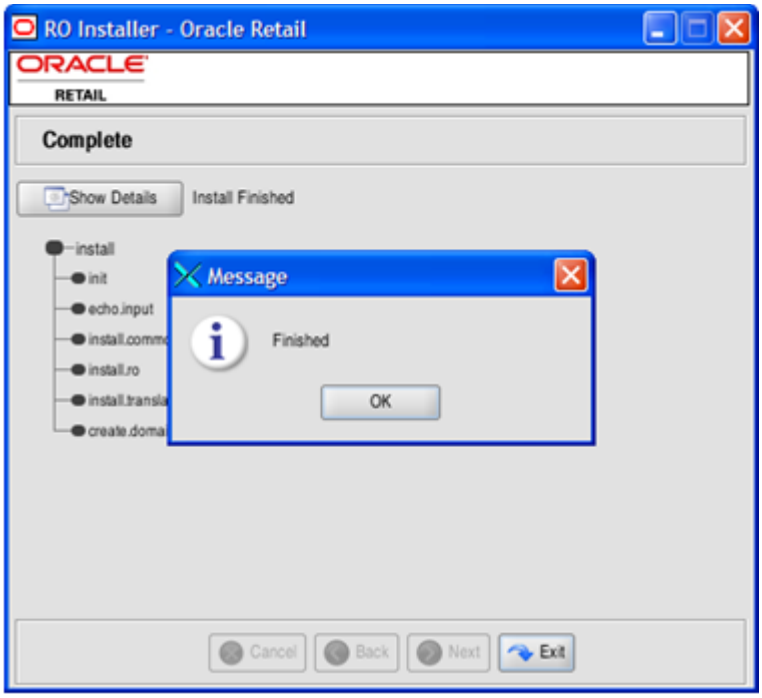


This screen displays installation progress. Select **Show Details** if you wish to view the log output as the installation is performed. If you choose not to view the details, a graphical representation of the installation steps appears. As each step is completed, the text color changes to indicate installation progress.

You can toggle between the Show Details mode at any time during or after the installation.

7. When the installation process is finished, the Complete screen appears. Click **OK** button.
   - If you viewed the installation via the graphical progress, you can now click **Show Details** to view the logs.
   - Once you are finished reviewing the installation, click **Exit** button to close the installer application.
   - If you wish to view the log at a later date, a text copy was saved in the directory where you initiated the installation from [RO Installation]/CDROM/ro. The log file will be named based on the product and a timestamp, followed by the ".log" extension.

Figure 2–6 Complete Screen



Created as part of this process is a sample domain creation script, located in the [Dir to store configurations] entered previously. This file is named "make_domain.ro." This file contains all of the required parameters needed to support the domain installation process. If necessary, this file may be modified if the default parameters are not applicable for your particular environment.

Note: The domain installation process also includes post-installation data loading scripts specific to this configuration. These scripts may also be modified.

A

Appendix: Installation Order

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

Note: The installation order is not meant to imply integration between products.

Enterprise Installation Order

The list below provides a guideline for the Enterprise Installation Order.

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 Demand Forecasting (RDF)
14. Oracle Retail Category Management (CM)
15. Oracle Retail Replenishment Optimization (RO)
16. Oracle Retail Analytic Parameter Calculator Replenishment Optimization (APC RO)
17. Oracle Retail Regular Price Optimization (RPO)
18. Oracle Retail Merchandise Financial Planning (MFP)
19. Oracle Retail Size Profile Optimization (SPO)
20. Oracle Retail Assortment Planning (AP)
21. Oracle Retail Item Planning (IP)
22. Oracle Retail Item Planning Configured for COE (IPCOE)
23. Oracle Retail Advanced Inventory Planning (AIP)
24. Oracle Retail Integration Bus (RIB)
25. Oracle Retail Point-of-Service (ORPOS)
26. Oracle Retail Analytics Applications
27. Oracle Retail Data Warehouse (RDW)
28. Oracle Retail Workspace (ORW)