

Oracle® Retail Regular Price Optimization

Installation Guide

Release 13.0.4

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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 Regular Price Optimization Release 13.0.4 documentation set:

- *Oracle Retail Regular Price Optimization Release Notes*
- *Oracle Retail Regular Price Optimization User Guide*
- *Oracle Retail Regular Price 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.
<i>italic</i>	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.

Introduction

About Oracle Retail Regular Price Optimization

Oracle Retail Regular Price Optimization (RPO) assists retail price analysts in pricing hard-line and grocery items. It is suited for long lifecycle items with infrequent price changes. It recommends permanent prices and inventory volumes based on initial estimates of an item's total sales volume over a planning period, and on price-related sales of items and related items.

RPO includes grouping in its pricing analysis because it considers cross-item elasticities; that is, RPO considers how price changes for one item may affect the sales volume of other items that belong to the same demand group. Users can input objective functions and pricing constraints that define the optimization problem. Once these inputs are defined, the pricing optimizer recommends prices and associated volumes. What-if cases may also be created and evaluated side by side within the context of a pricing scenario. Once an analysis of the what-if cases and recommended prices is complete, the user can make a final decision to submit the recommended prices for the given set of merchandise items and locations.

Before You Begin

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

You will find supplemental installations guides referenced throughout this document; note that the *RPAS Installation Guide* and the *RPAS Configuration Tools User Guide* must be obtained prior to beginning the installation process. Oracle Retail recommends that you read these documents in their entirety before beginning the RPO installation process.

Hardware and Software Requirements

Table 1–1 Hardware and Software Requirements

Hardware/Software	Details
Supported RPAS version	13.0.4
Supported OS, Server and Compiler	Sun Solaris 9: gcc 4.1.1 Sun Solaris 10: gcc 4.2.3 AIX 5.3 (TL5 or greater): gcc 4.1.1 HP-UX 11.23 (Itanium): aCC 6.15 Oracle Enterprise Linux 4, Update 5: gcc 4.1.1
Supported OS, Client	Windows NT, XP, 2000, Vista
Required 3rd Party Software	JRE 1.5

Note: The RPAS Client will not be supported on Windows 2000 after the 13.0.4 release. The RPAS Server will not be supported on Sun Solaris 9 after the 13.0.4 release.

Supported Oracle Retail Products

Table 1–2 Supported Oracle Retail Products

Requirement	Version
Oracle Retail Demand Forecasting	13.0.4

Installing RPO 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 installation package contains two installers, the RPAS Installer and the RPO Installer.

The RPAS Installer automates the following:

- Installation of the RPAS server
- Installation of Configuration Tools on the server (Refer to the *RPAS Installation Guide* for information on installing Configuration Tools on Windows machines)
- Definition of DomainDaemon port
- Creation of a sample global domain

The RPO Installer automates the following:

- Installation of the RPO mock install configuration
- Custom configuration of `make_domain.rpo` script for creating domains
- Creation of sample RPO domain

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

Preparation

The RPAS components included in this installation process are available inside the media pack of the solution downloaded from Oracle's E-Delivery Web site (<http://edelivery.oracle.com/>).

If you are installing any RPAS 12.1 or above solution on HP Itanium, you need to set the 64-bit Configuration Tools environment variable for Java as shown below:

```
export RIDE_OPTIONS=-d64
```

Note: Before installing RPO 13.0.4, confirm that RPAS 13.0.4 and all subsequent patches have been successfully applied.

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 RPO Installation Package

Perform the following procedure to extract the installation package.

1. Create an installation directory from which the RPO installation routine will be run. This directory will be referred to as [RPO Installation].
2. Download the package from Oracle E-Delivery, and transfer the archive to the [RPO Installation] directory on the target server using FTP. Use 'binary' mode to transfer the archive.
3. Extract the main package to the [RPO Installation] directory.

```
cd [RPO Installation]
```

```
unzip RPO.zip
```

Installation Instructions

Perform the following procedures to install RPO.

1. Begin the Installer by first changing to the root of the [RPO Installation]/CDROM/rpo directory and running the following command:

```
./install.sh
```

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

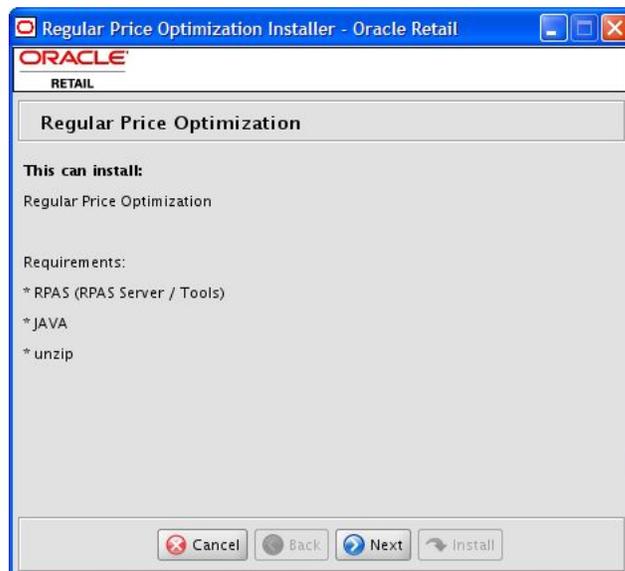
If this process is performed on an X-Windows emulator (such as Exceed), a graphical user interface to the Installer appears. If you are running in console mode through a terminal emulator, a text interface to the Installer appears.

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, press the **Enter** key. 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 the **Enter** key.

The **Regular Price Optimization Installer** screen appears and shows the components that will be installed during the installation process, as well as other required components.

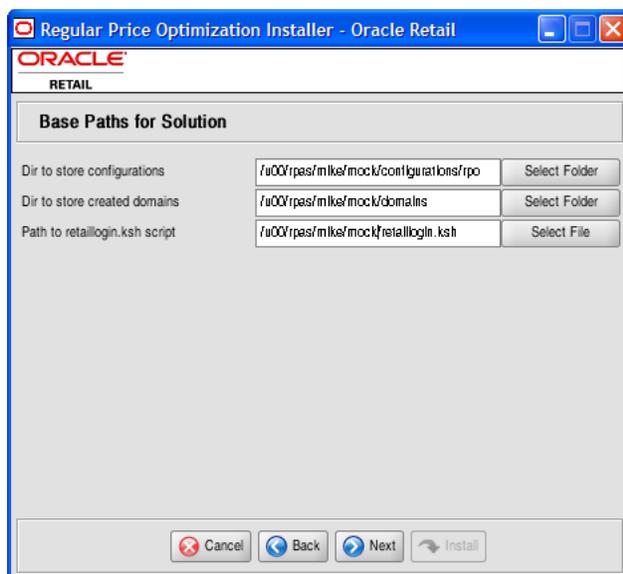
Figure 2–1 Regular Price Optimization Installer Screen



Click **Next** to continue.

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

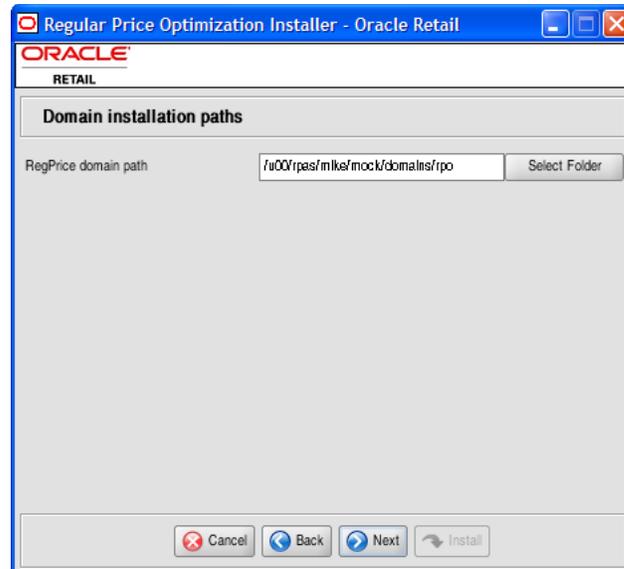
Figure 2–2 Base Paths for Solution Screen



Click **Next** to continue.

3. The **Domain installation paths** screen appears. Enter the path to the RPO domain to be created.

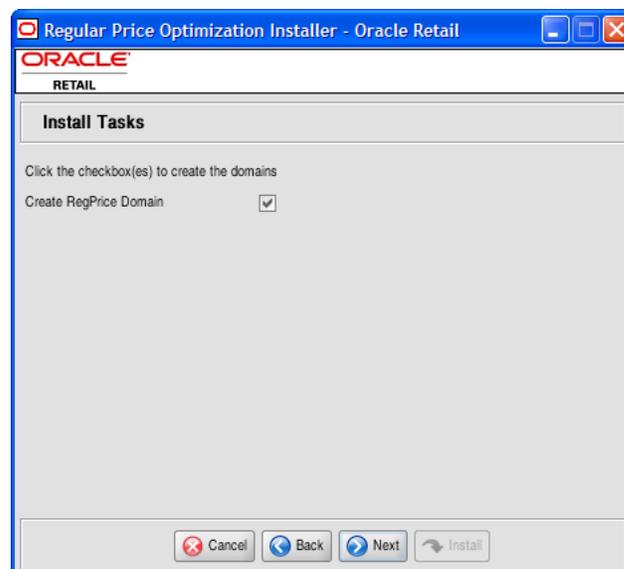
Figure 2–3 Domain Installation Paths Screen



Click **Next** to continue.

4. The **Install Tasks** screen appears. If you want to create the RPO domain, enable the **Create RPO Domain** check box. If you want to install all required components to support the RPO domain, but do not want to create the actual RPO domain, uncheck the **Create RPO Domain** check box.

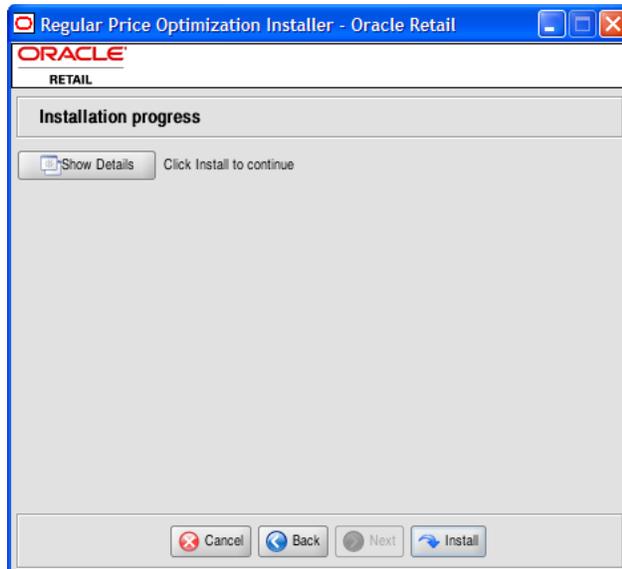
Figure 2–4 Install Tasks Screen



Click **Next** to continue.

5. The **Installation progress** screen appears. Click **Install** to begin installing RPO.

Figure 2–5 *Installation Progress Screen*

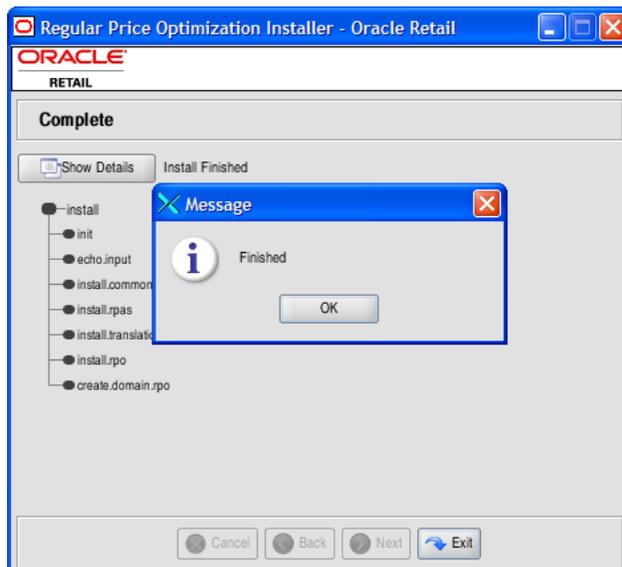


This screen displays installation progress. Select **Show Details** if you wish to view the log output as the installation is performed. If you choose not to view the details, a graphical representation of the installation steps appears. As each step is completed, the text color changes to indicate installation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

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

6. When the installation process is finished, a "Finished" notification screen appears. Click **OK**.

Figure 2–6 *"Finished" Notification Screen*



Now that the installation process is complete, you can:

- Click **Show Details** to view the logs if you viewed the installation via the graphical progress.
- Click **Exit** to close the installer application once you are finished reviewing the installation.

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 [RPO Installation]/CDROM/rpo. The log file will be named based on the product and a timestamp, followed by the ".log" extension.

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.rpo." 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.

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

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 Analytics Applications
22. Oracle Retail Data Warehouse (RDW)
23. Oracle Retail Workspace (ORW)