

# **Oracle® Retail Replenishment Optimization**

Installation Guide

Release 13.2

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Primary Author: Melissa Artley

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Oracle Retail Replenishment Optimization Installation Guide, Release 13.2

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- Did you understand the context of the procedures?
- Did you find any errors in the information?
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- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

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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

## Documentation Accessibility

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## Related Documents

For more information, see the following documents in the Oracle Retail Replenishment Optimization Release 13.2 documentation set:

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

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<https://support.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

When you install the application for the first time, you install either a base release (for example, 13.1) or a later patch release (for example, 13.1.2). If you are installing the base release, additional patch, and bundled hot fix releases, read the documentation for all releases that have occurred since the base release before you begin installation. Documentation for patch and bundled hot fix releases can contain critical information related to the base release, as well as information about code changes since the base release.

## Oracle Retail Documentation on the Oracle Technology Network

Documentation is packaged with each Oracle Retail product release. Oracle Retail product documentation is also available on the following Web site:

[http://www.oracle.com/technology/documentation/oracle\\_retail.html](http://www.oracle.com/technology/documentation/oracle_retail.html)

(Data Model documents are not available through Oracle Technology Network. These documents are packaged with released code, or you can obtain them through My Oracle Support.)

Documentation should be available on this Web site within a month after a product release.

# Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	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.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.



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# 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 *Oracle Retail Predictive Application Server Installation Guide* and the *Oracle Retail Predictive Application Server 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](#) provides information about the current release.

**Table 1–1 Hardware and Software Requirements**

Release Information	Details
Supported RPAS version	13.2
Supported OS, Server, and Compilers	<ul style="list-style-type: none"><li>■ Oracle Solaris 10: GCC 4.2.3 (32 bit)</li><li>■ AIX 5.3 (TL5 or greater): GCC 4.1.1 (32 bit)</li><li>■ AIX 6.1 (TL4): GCC 4.3.3 (32 bit)</li><li>■ HP-UX 11.31 (Itanium): ACC 6.20 (64 bit)</li><li>■ Oracle Enterprise Linux 5, Update 3 (OEL 5.3): GCC 4.1.2 (64 bit)</li><li>■ Red Hat Enterprise Linux 5.3: GCC 4.1.2 (64 bit)</li></ul>
Supported OS, Client	Windows XP and Vista
Required 3rd Party Software	Java Development Kit (JDK) 1.5 For AIX, the JDK version must be 1.5 SR1 or higher. Note: JDK 1.6 is also certified, but it is not necessary to upgrade to JDK 1.6.

## Supported Oracle Retail Products

The following Oracle Retail products are supported:

**Table 1–2   Supported Oracle Retail Products**

<b>Requirement</b>	<b>Version</b>
Oracle Retail Analytic Parameter Calculator Replenishment Optimization (APC RO)	13.1.2
Oracle Retail Demand Forecasting (RDF)	13.2
Oracle Retail Advanced Inventory Planning (AIP)	13.1.2

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## 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://support.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.

## Additional Required Environment Variables

In addition to the execution of retaillogin.ksh, export the following environment variables prior to starting your installer.

### All Platforms

export

```
RPAS_JAVA_CLASSPATH="$RPAS_HOME/applib/aaijni.jar:$RPAS_HOME/applib/aaiReplenOpt.jar"
```

---

---

**Note:** The following commands are an example based on common Java installation structures. To ensure you are adding the correct path, use the unix find command to locate libjvm.so (find \$JAVA\_HOME -name libjvm.so) and adjust the below paths as appropriate.

---

---

### For Linux

export

```
LD_LIBRARY_PATH="$JAVA_HOME/bin:$JAVA_HOME/lib/amd64/server:$LD_LIBRARY_PATH"
```

export

```
PATH="$JAVA_HOME/bin:$JAVA_HOME/lib/amd64/server:$PATH"
```

### For Solaris

export

```
LD_LIBRARY_PATH="$JAVA_HOME/bin:$JAVA_HOME/lib/sparc/client:$LD_LIBRARY_PATH"
```

export

```
PATH="$JAVA_HOME/bin:$JAVA_HOME/lib/sparc/client:$PATH"
```

### For AIX

export

```
LIBPATH="$JAVA_HOME/bin:$JAVA_HOME/bin/classic:$LIBPATH"
```

export

```
PATH="$JAVA_HOME/bin:$JAVA_HOME/bin/classic:$PATH"
```

### For HP-UX

export



```
SHLIB_PATH="$JAVA_HOME/bin:$JAVA_HOME/lib/IA64W/server:$SHLIB_PATH"
export
PATH="$JAVA_HOME/bin:$JAVA_HOME/lib/IA64W/server:$PATH"
```

## 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 RO Media Pack 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_13.2.0.zip
```
4. Extract the RO Installer.  

```
cd CDROM
unzip [RO Media Pack]
```

## 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 are prompted for a response of yes or no.

---

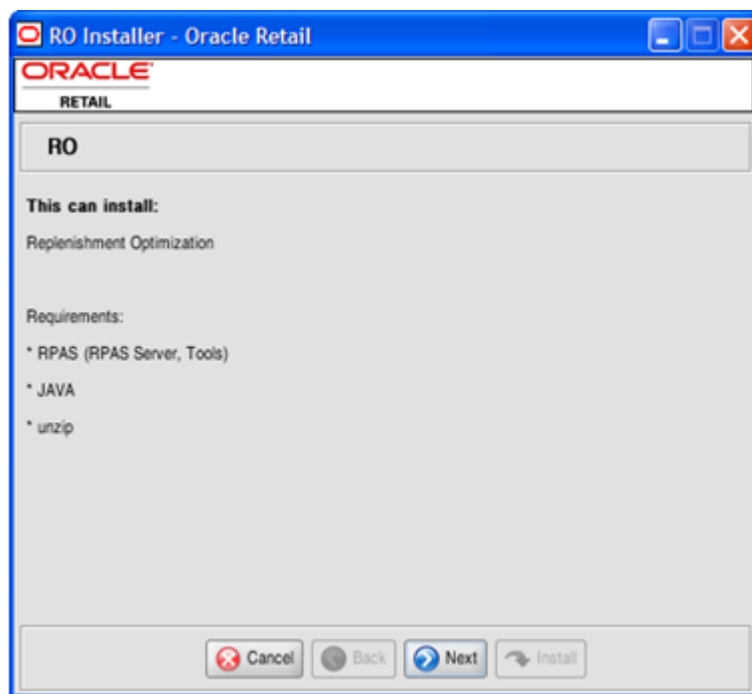
---

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

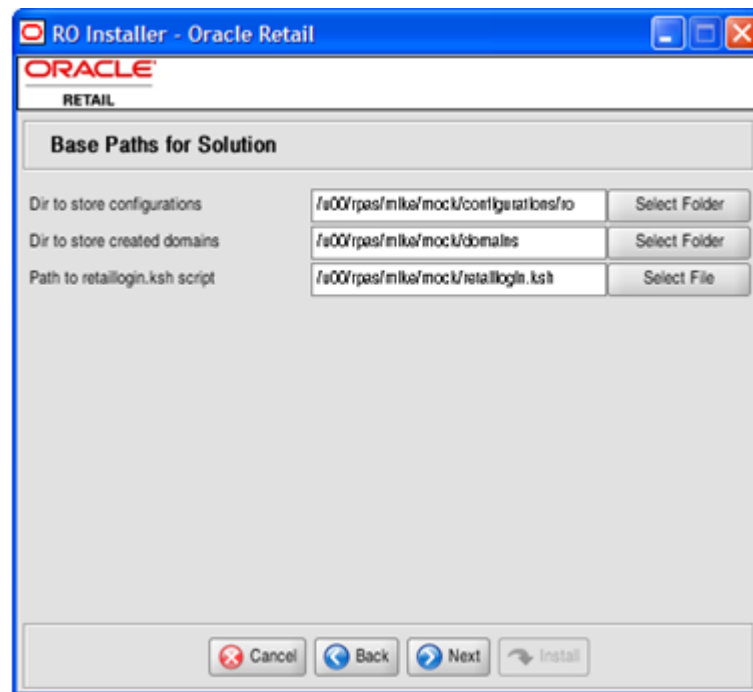
---

---

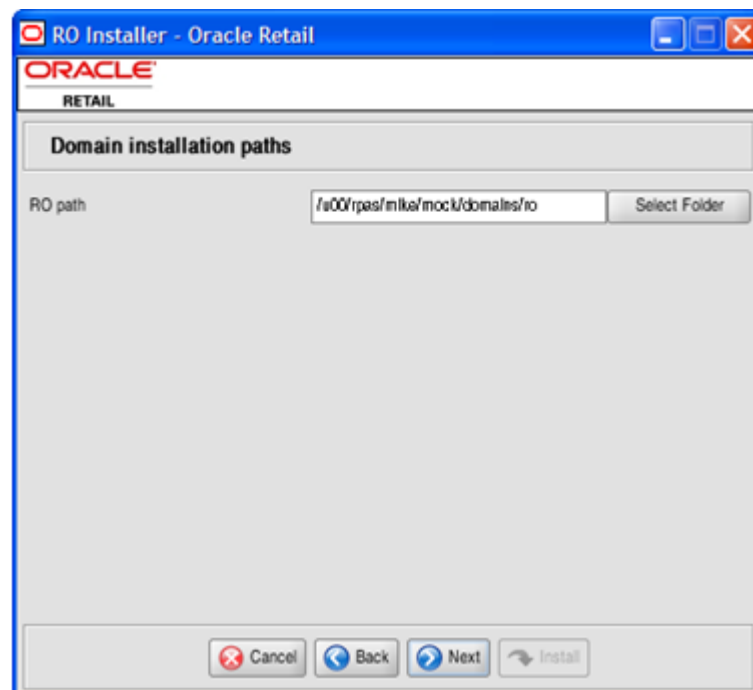
2. The RO Installer screen appears and shows the components that are installed during installation process as well as other required components. Click **Next** to continue.

**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 retaillogin.ksh script created during RPAS installation

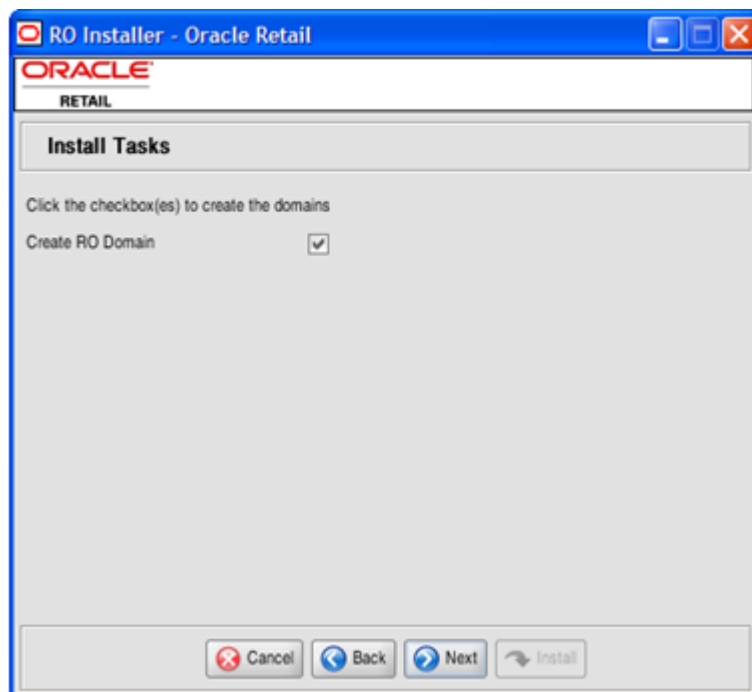
**Figure 2–2 Base Paths for Solution Screen**

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

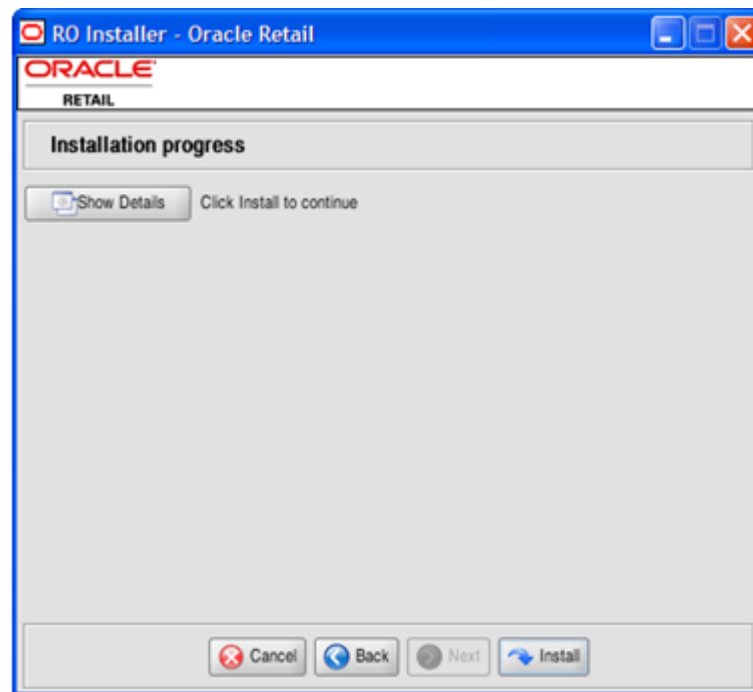
**Figure 2–3 Domain Installation Paths Screen**

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, deselect the **Create RO Domain** option and click **Next** to proceed.

**Figure 2–4** *Install Tasks Screen*



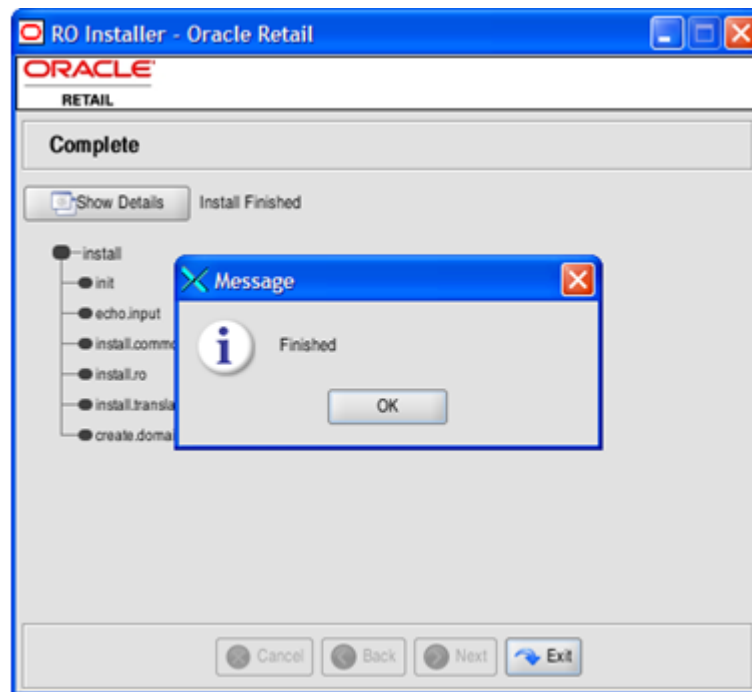
6. The Installation Progress screen appears. Click **Install** to begin installing RO.

**Figure 2–5 Installation Progress Screen**

This screen displays installation progress. Select **Show Details** if you want 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 through 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 is 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.

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

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## Appendix: Replenishment Optimization Upgrade

The following describes how to upgrade Replenishment Optimization from 13.1.1 to 13.2

### Replenishment Optimization Upgrade Prerequisites

- In order to upgrade Replenishment Optimization, first verify the following criteria for the RPAS system:
- Verify that RPAS is currently installed.
- Verify that the UNIX operating system is updated to the currently supported version, which can be found in the "[Hardware and Software Requirements](#)" on page 1-1 of the *Oracle Retail Replenishment Optimization Installation Guide*.
- Verify that the environment variables are correctly set for both the server and PC; if they are not, follow these instructions to set them:
  - Change directories to the original RPAS installation directory (such as the one created by the most recent installer), and execute `retaillogin.ksh` to set all environment variables. For example:

```
$ cd /retail
$ . ./retaillogin.ksh
```

---

**Note:** Once you have run the script, verify that the environment variables all point to the correct locations on your environment.

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**Note:** If you have updated Java since the last installation of RPAS, verify that the `JAVA_HOME` path is correct. If not, update your `retaillogin.ksh` script and source it again as outlined above.

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## Replenishment Optimization Environment and Domain Upgrade Process

The following process outlines how to upgrade the RPAS Configuration Tools to the new version of Replenishment Optimization.

### For the PC

1. Open RPAS Configuration Tools.
2. In RPAS Configuration Tools, load your previous configuration of Replenishment Optimization:
  - From the Configuration Tools File menu, select **Open**.
  - From the Open window, locate the configuration file and click **Open**.
3. If your domain requires updating, dialog boxes will prompt you to upgrade. Follow the instructions given in the dialog boxes.
4. In the RPAS Configuration Tools File menu, click **Save** to save the configuration.
5. Zip the configuration in MKS Kornshell and transfer the .zip file to the RPAS server.

### For the Server

1. Unzip the updated configuration and note where it is saved.
2. To upgrade the prior version of your Replenishment Optimization domain to a 13.2 domain, refer to the *Oracle Retail RPAS Administration Guide*. The section "Domain Upgrade" in the "Domain Administration" chapter describes the steps for upgrading a simple or global domain environment.