

Oracle® Retail Item Planning Configured for COE

Installation Guide

Release 13.1.2.9

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Primary Author: Barrett Gaines

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Oracle Retail Item Planning Configured for COE Installation Guide, Release 13.1.2.9

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Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- 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).

Note: Before sending us your comments, you might like to check that you have the latest version of the document and if any concerns are already addressed. To do this, access the new Applications Release Online Documentation CD available on My Oracle Support and <http://www.oracle.com>. It contains the most current Documentation Library plus all documents revised or released recently.

Send your comments to us using the electronic mail address: retail-doc_us@oracle.com

Please give your name, address, electronic mail address, and telephone number (optional).

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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 Documentation

For more information, see the following documents in the Oracle Retail Item Planning Configured for COE Release 13.1.2.9 documentation set:

- *Oracle Retail Item Planning Configured for COE Release Notes*

For more information about the Fashion Planning Bundle applications see the following documentation sets:

- Oracle Retail Item Planning documentation
- Oracle Retail Clearance Optimization Engine documentation
- Oracle Retail Assortment Planning documentation
- Oracle Retail Merchandise Financial Planning documentation
- Oracle Retail Size Profile Optimization documentation

For more information about RPAS and the ODI Enabled Integration, see the following documentation sets:

- Oracle Retail ODI Enabled Integration documentation
- Oracle Data Integrator documentation
- Oracle Retail Predictive Application Server documentation

Customer Support

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

<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 re-create
- 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

(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
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

This document provides instructions on installing Oracle Retail Item Planning Configured for COE (Clearance Optimization Engine).

This document provides detailed instructions on how to install an Item Planning Configured for COE (Item) domain using a configuration created through 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.

Read through this document completely before performing the installation steps.

Hardware and Software Requirements

The following table provides information about the current release.

Table 1–1 Hardware and Software Requirements

Hardware/Software	Details
Supported RPAS version	13.1.2.9
Supported OS, Server and Compiler	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) Red Hat Enterprise Linux 5.2
Supported OS, Client	Windows XP and Vista
Required 3rd Party Software	Java Runtime Environment (JRE) 1.5 or higher Note: JRE 1.6 is also certified, but it is not necessary to upgrade to JRE 1.6.
Additional Oracle Technologies	Oracle Data Integrator 10.1.3.5

Supported Oracle Retail Products

The following Oracle Retail products are supported:

Table 1–2 Supported Oracle Retail Products

Product	Version
Oracle Retail Clearance Optimization Engine (COE)	13.1.2
Oracle Retail Merchandise Financial Planning (MFP)	13.1.2.9
Oracle Retail Assortment Planning (AP)	13.1.2.9

Item Planning Configured for COE is part of the Oracle Retail Fashion Planning Bundle.

The Fashion Planning Bundle is the integration of Item Planning (IP), Clearance Optimization Engine (COE), Assortment Planning (AP), Merchandise Financial Planning (MFP), and Size Profile Optimization (SPO) as a full-suite planning solution for fashion retailers.

Installing Item Planning Configured for COE on UNIX Environments

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

The Item Planning Configured for COE Installer automates the following:

- Installation of the Item Planning Configured for COE mock install configuration
- Creation of a sample Item Planning Configured for COE domain

This document assumes that the RPAS Installer process (from the *RPAS Installation Guide*) has been completed prior to using the Item Planning Configured for COE Installer.

Preparation

The RPAS server 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>.

Environment Variable Setup Script

Before running the solution installer, source 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.

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 sets 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 the installer.

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"
```

Downloading and Extracting the IP COE Media Pack

The following procedure provides information about extracting the Item Planning Configured for COE media pack and its contents.

1. Create a directory to store the Item Planning Configured for COE media pack and download the media pack to this location. This directory is referred to as [IPCOE Installation].
2. Extract the media pack to this location. Once extracted, two directories appear: CDROM and DOCS.

The CDROM folder contains the `ItemCOE.zip` file, which contains the Item Planning Configured for COE solution.

The DOCS folder contains the Item Planning Configured for COE documentation.

Installing Item Planning

The following procedure provides information about extracting the Item Planning Configured for COE media pack and installing Item Planning Configured for COE.

1. Using FTP in binary mode, transfer the Item Planning Configured for COE media pack to the [IPCOE Installation] directory on the target server.

2. Extract the package to the [IPCOE Installation] directory.

```
cd [IPCOE Installation]
unzip ItemPlanCOE.zip
```

3. Extract the Item Planning Configured for COE Installer.

```
cd CDROM
unzip ItemCOE.zip
```

4. Change directories to the root of the [IPCOE Installation] directory and run the Item Planning Configured for COE Installer:

```
cd itemcoe
./install.sh
```

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

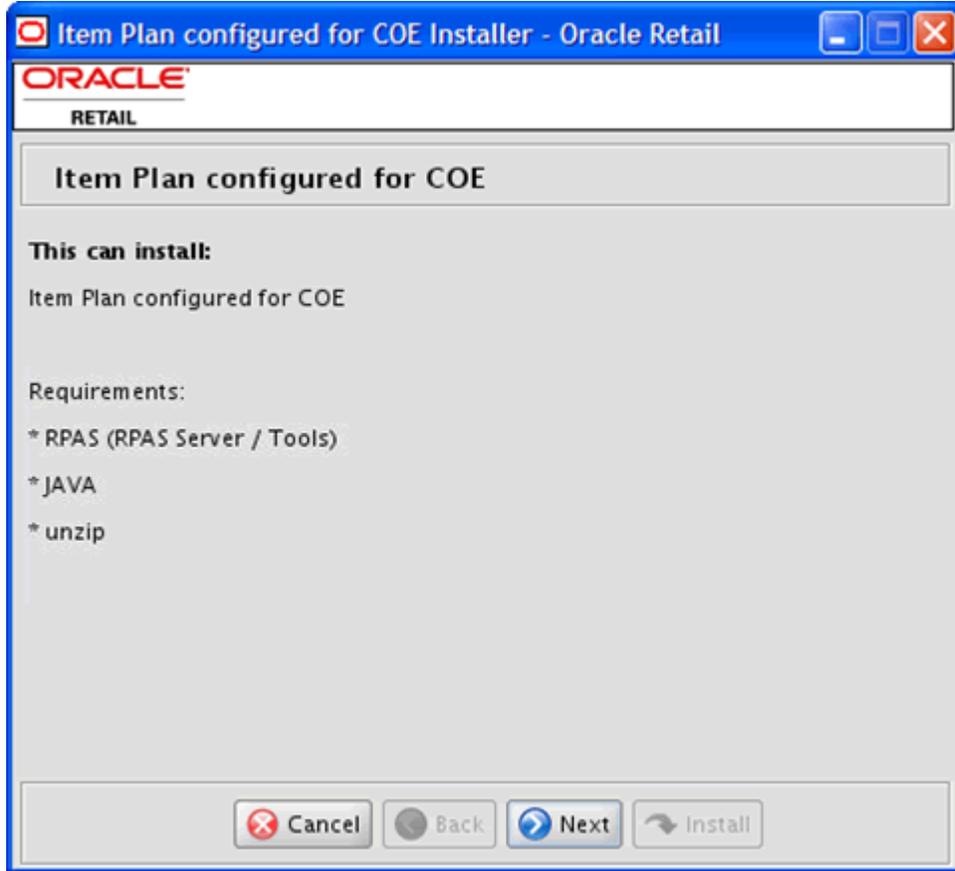
If this process is being run on an X-Windows emulator (such as Exceed), a graphical user interface to the Installer appears. If you are running in console mode through a terminal emulator, the text interface to the Installer appears.

In both cases, the requested information is identical. 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 true or false.

Note: In text mode, the default value appears in square brackets []. To use the default value and continue, click **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 click **Enter**.

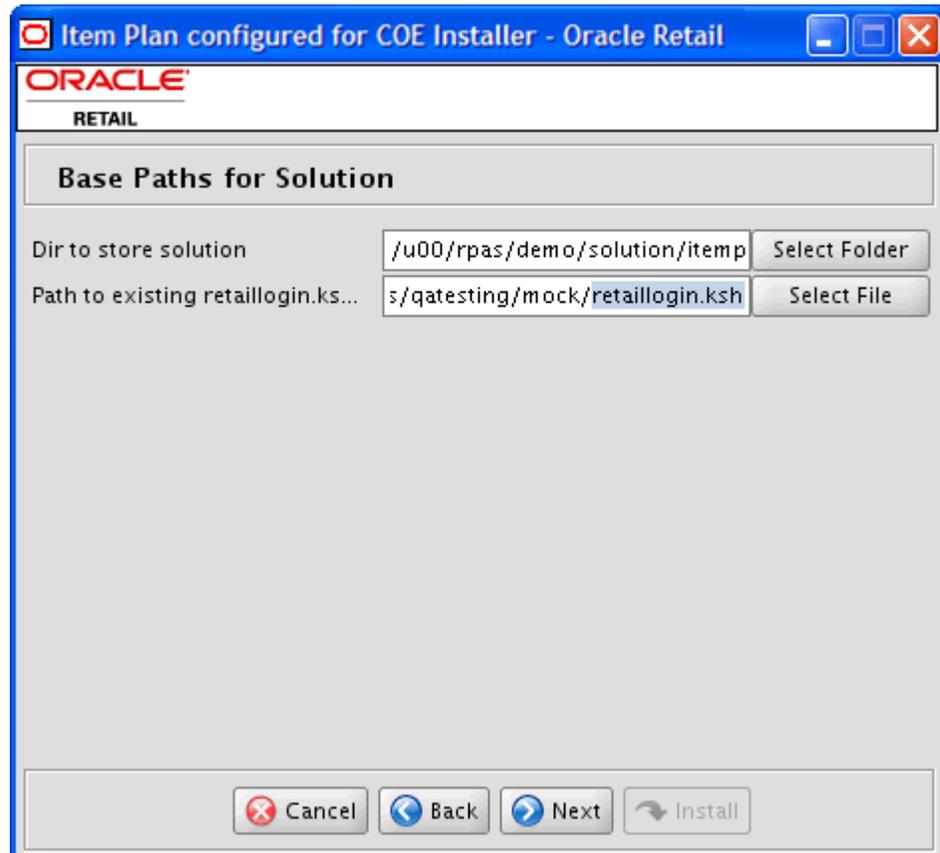
5. The Item Planning Configured for COE Installer screen appears and displays the components that are installed during the installation process and the required components. Click **Next** to continue.

Figure 2–1 Item Planning Configured for COE Installer Screen



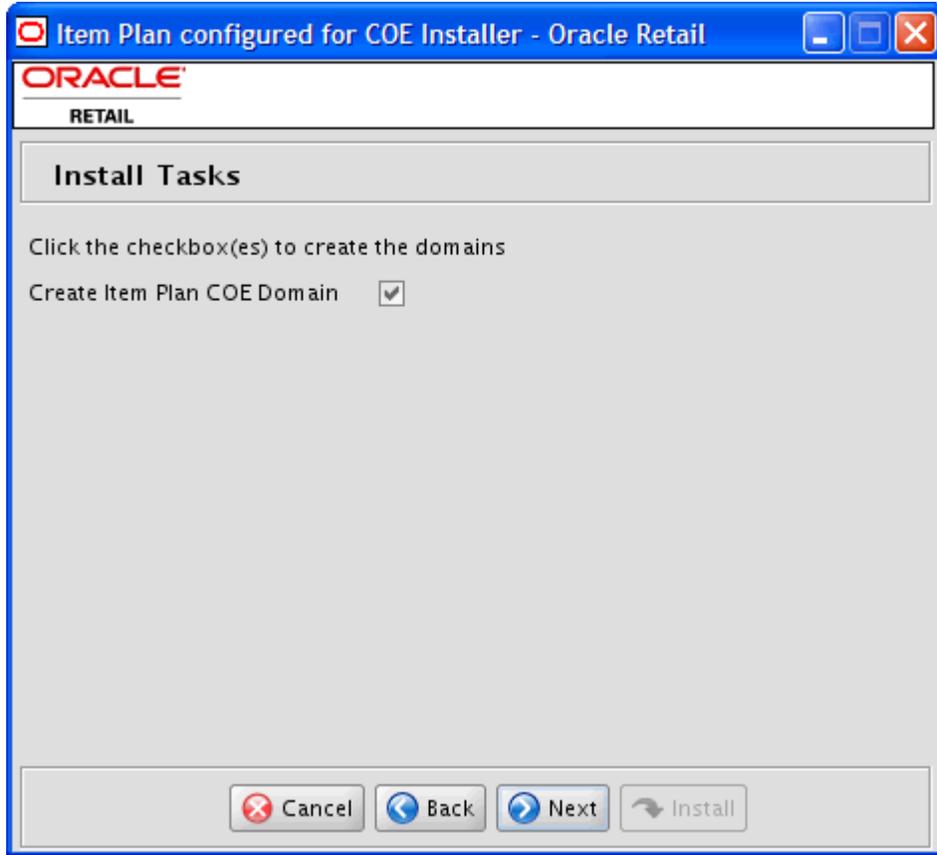
6. The Base Paths for Solution screen appears. Enter the following and click **Next** to continue:
 - **Dir to store solution:** Enter the directory path where your solution is stored.
 - **Path to existing retaillogin.ksh:** Enter the path to the retaillogin.ksh script created during RPAS installation.

Figure 2–2 Base Paths for Solution Screen



7. The Install Tasks screen appears. Select **Create Item Plan COE Domain** option, which is selected by default, to create the Item Planning Configured for COE domain. Deselect this option to have all required components to support an IPCOE domain installed without creating the domain. Click **Next** to continue.

Figure 2–3 *Install Tasks Screen*

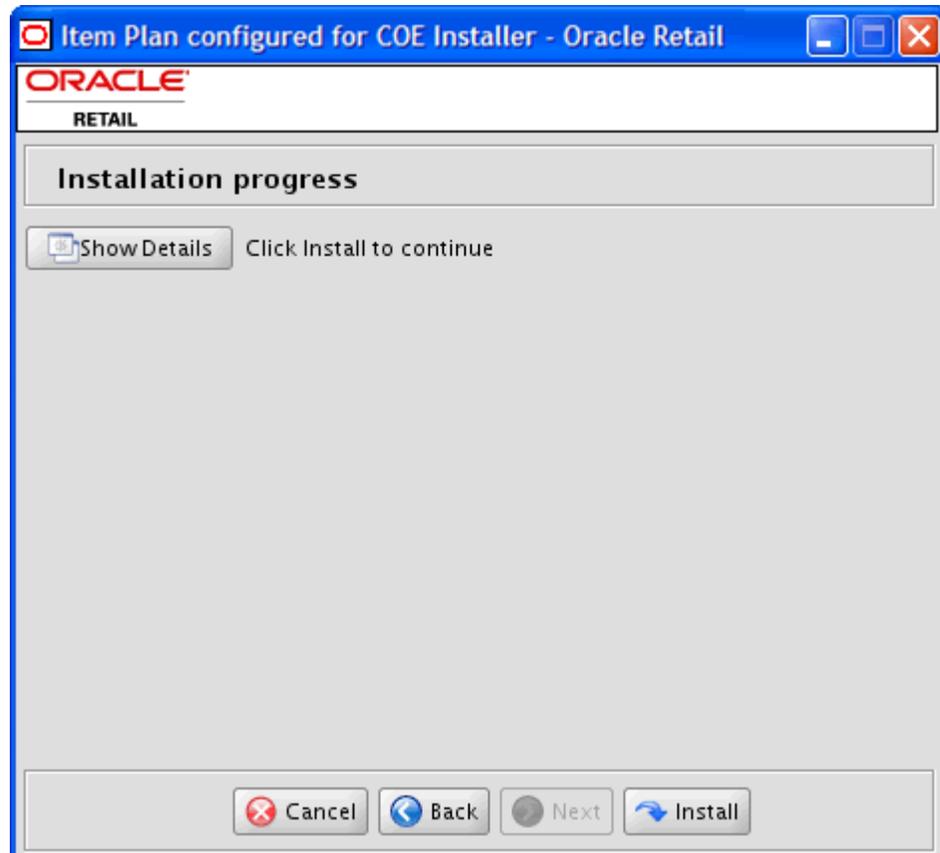


8. The Installation Progress screen appears. Once you are ready to begin installation, click the **Install** button.

This screen displays the progress of the installation routine. Select **Show Details** to view the log output as the installation is performed. If you do not select to view the details, a graphical representation of the installation steps appears. As each step is completed, the color changes to show you the progress.

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

Figure 2–4 *Installation Progress Screen*



- When the installation has finished, the Complete screen appears. To view the installation details, select the **Show Details** button. The screen displays two tabs, the Output tab and the Error tab. It is recommended that you review these tabs for any issues that may have occurred during the installation process.

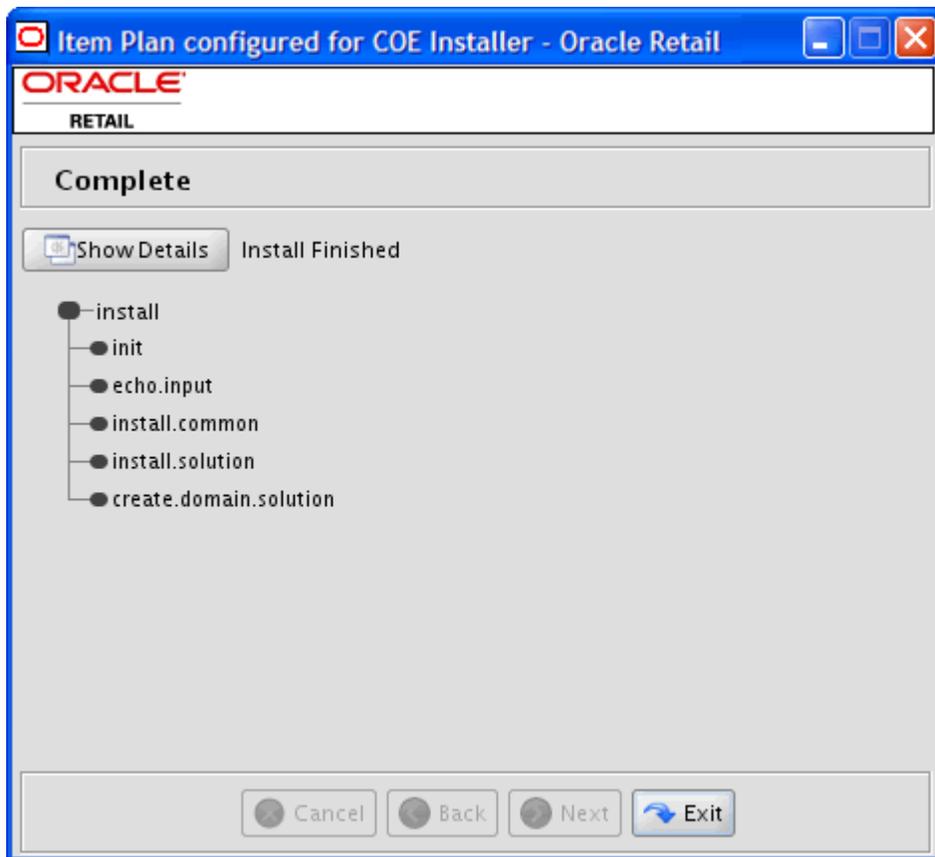
If you wish to view the log again at a later date, a text copy was saved in the directory [IPCOE Installation]. The log file is named based on the product and a timestamp, followed by the .log extension.

Created as part of this process is the make_domain.itemcoe file located in [Solution Install Dir] entered previously. This file contains all of the required parameters needed to support the domain installation. If necessary, this file may be modified if the default parameters are not appropriate for your particular environment.

Note: The domain install process may also include post-installation data loading scripts specific to the Item Planning configuration. These scripts, if present, may also be modified.

For additional information on installing RPAS domains manually, please refer to the *RPAS Installation Guide*.

Figure 2–5 Complete Screen



10. Click **Exit** to close the Installer.

Note: Before starting the DomainDaemon, you must first source the solution's environment.ksh script. This loads all environment variables required by RPAS to interact with your solution's workbooks. To do this, either in shell or with an addition to your .profile, add `.[Solution Install Dir]/bin/environment.ksh`.

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.

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 Returns Management (ORRM)
11. Oracle Retail Back Office (ORBO) or Back Office with Labels and Tags (ORLAT)
12. Oracle Retail Store Inventory Management (SIM)

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

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