

Oracle® Retail Workspace
Installation Guide
Release 13.0

April 2008

Copyright © 2008, Oracle. All rights reserved.

Primary Author: Andrew Goktepe

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software – Restricted Rights (June 1987). Oracle Corporation, 500 Oracle Parkway, Redwood City, CA 94065

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.

Value-Added Reseller (VAR) Language

- (i) the software component known as **ACUMATE** developed and licensed by Lucent Technologies Inc. of Murray Hill, New Jersey, to Oracle and imbedded in the Oracle Retail Predictive Application Server – Enterprise Engine, Oracle Retail Category Management, Oracle Retail Item Planning, Oracle Retail Merchandise Financial Planning, Oracle Retail Advanced Inventory Planning and Oracle Retail Demand Forecasting applications.
- (ii) the **MicroStrategy** Components developed and licensed by MicroStrategy Services Corporation (MicroStrategy) of McLean, Virginia to Oracle and imbedded in the MicroStrategy for Oracle Retail Data Warehouse and MicroStrategy for Oracle Retail Planning & Optimization applications.
- (iii) the **SeeBeyond** component developed and licensed by Sun Microsystems, Inc. (Sun) of Santa Clara, California, to Oracle and imbedded in the Oracle Retail Integration Bus application.
- (iv) the **Wavelink** component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Store Inventory Management.
- (v) the software component known as **Crystal Enterprise Professional and/or Crystal Reports Professional** licensed by Business Objects Software Limited (“Business Objects”) and imbedded in Oracle Retail Store Inventory Management.
- (vi) the software component known as **Access Via™** licensed by Access Via of Seattle, Washington, and imbedded in Oracle Retail Signs and Oracle Retail Labels and Tags.
- (vii) the software component known as **Adobe Flex™** licensed by Adobe Systems Incorporated of San Jose, California, and imbedded in Oracle Retail Promotion Planning & Optimization application.
- (viii) the software component known as **Style Report™** developed and licensed by InetSoft Technology Corp. of Piscataway, New Jersey, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.
- (ix) the software component known as **WebLogic™** developed and licensed by BEA Systems, Inc. of San Jose, California, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.
- (x) the software component known as **DataBeacon™** developed and licensed by Cognos Incorporated of Ottawa, Ontario, Canada, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.

Contents

Preface	vii
Audience	vii
Related Documents.....	vii
Customer Support.....	vii
Review Patch Documentation.....	vii
Oracle Retail Documentation on the Oracle Technology Network.....	vii
Conventions.....	viii
1 Preinstallation Tasks.....	1
Check Application Server Requirements.....	1
Supported Oracle Retail Products	1
Check Client PC and Web Browser Requirements.....	2
2 Oracle Retail Workspace Overview.....	3
LDAP Data.....	3
Portlets.....	3
Example Dashboards.....	3
Oracle Retail Workspace Application	3
3 LDAP Data	5
Required Oracle Internet Directory (OID) Information.....	5
LDAP Data Utility.....	5
Expand and Execute the ORW LDAP Data Utility	8
Workspace Administrator Users.....	9
4 Retail Portlets Installation.....	11
Create a New OC4J Instance and Group for Portlets.....	11
Associate OC4J with OID.....	12
Expand the Retail Portlets Application Distribution	13
Run the Retail Portlets Application Installer.....	13
Resolving Errors Encountered During Application Installation.....	13
Manual Deployment Option	14
Backups Created by Installer.....	15
Test the Retail Portlets Application	15
5 Example Dashboards Installation	17
Create a New OC4J Instance and Group for Dashboards	17
Associate OC4J with OID.....	18
Expand the Retail Dashboards Distribution.....	19
Run the Retail Dashboards Installer.....	19
Resolving Errors Encountered During Application Installation.....	19
Manual Deployment Option	20
Backups Created by Installer.....	21
Test the Demo Dashboards Applications	21

6	Workspace Application Installation	23
	Create a New OC4J Instance and Group for ORW	23
	Associate OC4J with OID.....	24
	Expand the ORW Distribution.....	24
	Run the ORW Installer	25
	Resolving Errors Encountered During Application Installation.....	25
	Oracle Configuration Manager	25
	Manual Deployment Option	26
	Backups Created by Installer.....	27
	Test the ORW Application.....	27
A	Appendix: Portlets Application Installer Screens	29
B	Appendix: Dashboards Installer Screens	37
C	Appendix: Workspace Installer Screens	51
D	Appendix: Installer Silent Mode	91
	Repeating an Installation Attempt.....	91
E	Appendix: Common Installation Errors	93
	Unreadable Buttons in the Installer.....	93
	“Unable to get a deployment manager” Message.....	93
	“Could not create system preferences directory” Warning	94
	ConcurrentModificationException in Installer GUI.....	94
	“Couldn't find X Input Context” Warnings	94
	Error while unpacking EAR file.....	95
	Installer Errors Tab Section Full of Informational Messages	95
	Installer Appears to Hang after EAR deployment	95
F	Appendix: URL Reference	97
	Deployer URI.....	97
G	Appendix: Installation Order	99

Preface

Oracle Retail Installation Guides contain the requirements and procedures necessary for the retailer to install Oracle Retail products.

Audience

This Installation Guide is written for the following audiences:

- System analysts and designers
- Integrators and implementation staff

Related Documents

For more information, see the following documents in the Oracle Retail Workspace Release 13.0 documentation set:

- Oracle Retail Workspace Implementation Guide
- Oracle Retail Workspace Release Notes
- Oracle Retail Workspace Administration Guide
- Oracle Retail Workspace Online Help

Customer Support

<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

For a base release (".0" release, such as 13.0), Oracle Retail strongly recommends that you read all patch documentation before you begin installation procedures. Patch documentation can contain critical information related to the base release, based on new information 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:

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

Oracle Retail Workspace (ORW) is a web application that runs in Oracle WebCenter Suite 10g. The Oracle Retail Workspace Bundle includes this ORW application plus the JSR168-compliant retail portlets and a set of example dashboards. The ORW application uses an Oracle Internet Directory (OID) LDAP server for user data for security purposes.

Check Application Server Requirements

General requirements for an application server capable of running the Workspace application include:

Supported On:	Versions Supported:
Application Server OS	Oracle Enterprise Linux 4 Update 5 for x86-64. <ul style="list-style-type: none"> ▪ Minimum kernel version 2.6.9-55.0.0.0.2.ELsmp. Oracle WebCenter Suite 10g 10.1.3.3 for Linux x86 Patches: <ul style="list-style-type: none"> ▪ 5632264 (NEED UPDATED TIMEZONE FILES (VERSION 4) FOR MORE DST RULE CHANGES) ▪ 5398506 (RUNTIME EXCEPTION DID NOT ROLLBACK MESSAGE ON EGATE (SEEBEYOND) TOPIC)
Application Server	Oracle Application Server Infrastructure Services 10.1.2.2 for Linux x86 Patches: <ul style="list-style-type: none"> ▪ 5861907 (IAS 10.1.2.2 PATCHSET UPDATES ORACLEHOMEPROPERTIES.XML WITH WRONG ARU_ID & ARU_I) ▪ 5632264 (NEED UPDATED TIMEZONE FILES (VERSION 4) FOR MORE DST RULE CHANGES)

Supported Oracle Retail Products

Product	Version
Oracle Retail Merchandising System (RMS)	13.0
Oracle Retail Store Inventory Management (SIM)	13.0
Oracle Retail Invoice Matching (ReIM)	13.0
Oracle Retail Allocation	13.0
Oracle Retail Active Retail Intelligence (ARI)	13.0
Oracle Retail Price Management (RPM)	13.0
Oracle Retail Data Warehouse (RDW)	13.0
Oracle Retail Price	

Product	Version
Oracle Retail Promote	
Oracle Retail Predictive Application Server (RPAS)	13.0

Check Client PC and Web Browser Requirements

Requirement	Version
Operating system	Windows 2000 or XP
Display resolution	1024x768 or higher
Processor	1GHz or higher
Memory	512MBytes or higher
Networking	intranet with at least 10Mbps data rate
Browser	Microsoft Internet Explorer 6 or higher

Oracle Retail Workspace Overview

Installation of the ORW application bundle consists of four different components, installed in the order in which they appear below:

LDAP Data

The LDAP realm stores user, group (aka role), and permission grant information used by ORW. You need to add the ORW specific data to your realm as outlined in the *LDAP Data* chapter of this document. There is a utility included with the ORW release that automates the creation of this information using example group data. This data is imported using provided LDIF scripts. There are 2 sets of scripts used: one containing required data and one that has a set of sample users and groups.

Portlets

The ORW application bundle includes a set of JSR-168 portlets. These portlets provide services which are consumed by the ORW application and by the dashboards. There is an installer that configures and deploys these portlets to an OC4J instance in Oracle WebCenter. See the *Retail Portlets Installation* chapter of this document for instructions.

Example Dashboards

There are two types of dashboards in the ORW product. External dashboards are independent J2EE applications that the ORW application pulls in and displays in its content panel. The second type is a subview dashboard, internal to the ORW application. This release includes three external dashboards (Merchant, Stores, and Planner) and one internal subview dashboard (Executive).

The external example dashboards provided with the ORW application bundle are all installed by a single Example Dashboards installer that is included with the release. See the *Example Dashboards Installation* chapter of this document for instructions.

Oracle Retail Workspace Application

The ORW application is the core of the product. This is the application that contains the navigation panel with all of the links to other applications and resources and the content panel which displays the dashboards. The ORW application also includes an internal example dashboard; the Executive Dashboard. See the *ORW Application Installation* chapter of this document for instructions.

LDAP Data

ORW uses the Oracle Internet Directory LDAP server for storage of user, group, and security policy information. ORW supplies a set of required OID LDAP data needed for ORW to function correctly. In addition to the required data, ORW supplies a set of sample users, groups, and permission grants.

This chapter describes the LDAP data creation and installation process.

Required Oracle Internet Directory (OID) Information

The supported directory server for ORW is Oracle Internet Directory (OID). It is assumed that you have installed OID and created a realm to store the ORW users and groups. You need the following pieces of information to run the utility:

LDAP server host	(Example: myhost.mydomain)
LDAP server port	(Example: 389)
Admin user	(Example: orcladmin)
Admin password	
Realm Name	(Example: us)
Realm DN	(Example: dc=us,dc=mycompany,dc=com)

Additionally, you need to know if the LDAP server port uses the Secure Socket Layer (SSL) to establish connections.

This information is used during the ORW application installation.

LDAP Data Utility

The ORW LDAP Data Utility creates Lightweight Directory Interface Files (LDIFs) to specify the data loaded into the LDAP. The tool may execute the `ldapadd` utility to actually load the data or you may perform this step manually.

The ORW LDAP Data utility is responsible for creating the following required data used by the ORW application:

- The ORW application login entries.
- Permission grants to the ADF anyone role to allow unauthenticated access to the main ORW JSPX page and to the Executive Dashboard subview.
- The `Retail_Workspace_Users` group and the `Workspace administrators` group.
- Permission grants to the `Workspace administrators` group and those for all ORW users.

Additionally, the ORW LDAP Data utility can create sample users, groups and permission grants that can access the sample dashboards.

The behavior of the tool is controlled by the file, `ldap_util.properties`. These properties are:

Property: `ldap.host`

Example: `ldap.host=localhost`

Description: Specifies the host name where the OID server is located. Only used if the property `"execute.ldap.scripts"` is set to `"true"`.

Property: `ldap.port`

Example: `ldap.port=389`

Description: Specifies the TCP port number for the OID LDAP interface. Only used if the property `"execute.ldap.scripts"` is set to `"true"`.

Property: `ldap.user.dn`

Example: `ldap.user.dn=cn=orcladmin`

Description: Specifies the Distinguished Name of the user the script will use to log into the OID LDAP server. This user must have the privileges necessary to create users, groups, and permission grants. Only used if the property `"execute.ldap.scripts"` is set to `"true"`.

Property: `ldap.ssl`

Example: `ldap.ssl=0`

Description: This property specifies the Secure Socket Layer (SSL) characteristic of the LDAP connection. A value of 0 specifies no SSL, 1 specifies SSL with neither server nor client authentication, 2 for one-way (server) authentication, and 3 for two-way authentication. Using a value of 2 or 3 requires additional setup outside the scope of this document. Only used if the property `"execute.ldap.scripts"` is set to `"true"`.

Property: `workspace.realm.name`

Example: `workspace.realm.name=us`

Description: This property specifies the realm name required by certain records, such as permission grants. This property is used by almost all targets.

Property: `workspace.realm.dn`

Example:

`workspace.realm.dn=dc=${workspace.realm.name},dc=<mycompany>,dc=com`

Description: This property specifies the distinguished name of the realm. All realm specific information is contained by this name. This includes all of the realm's users, groups, and grants made to these groups and users. This property is used by almost all targets.

Property: workspace.users.group

Example: workspace.users.group=Retail_Workspace_Users

Description: This property specifies Group name used to contain all ORW Users. All groups mentioned below must be members of this group. This entry has a dependency on the deployment descriptors used by the ORW application and Dashboards. Because of this dependency, changing the value of this property is not recommended.

Property: workspace.admins.group

Example: workspace.admins.group=DEMO_Workspace_Admin

Description: This property specifies the Group (aka role) name used for Retail Workspace administrators. ORW administrators are assumed to have the capabilities to manage the ORW application. Additional capabilities, such as the ability to create permission grants, users, or groups are assumed, but may have to be granted separately. The templates include the realm specific user named 'orcladmin' as part of this group.

Property: workspace.executives.group

Example: workspace.executives.group=DEMO_Executive

Description: This property specifies the Group (aka role) name used for "Executive" users. The sample templates grant Executive users access to the Executive Dashboard. Other groups in the sample templates contain the Executive group, thus allowing an Executive user access to their functionality as well. These capabilities may be altered later via an ORW administrator.

Property: workspace.planners.group

Example: workspace.planners.group=DEMO_Planner

Description: This property specifies the Group (aka role) name used for "Planner" users. Planner users have access to specific applications and the "Planner" dashboard. The sample template's definition of the planner group includes the Executive group mentioned above.

Property: workspace.merchants.group

Example: workspace.merchants.group=DEMO_Merchant

Description: This property specifies the Group (aka role) name used for "Merchant" users. Merchant users have access to specific applications and the "Merchant" dashboard. The sample template's definition of the planner group includes the executive group mentioned above.

Property: workspace.stores.group

Example: workspace.stores.group=DEMO_Store_Manager

Description: This property specifies the Group (aka role) name used for "Store Manager" users. Store Manager users have access to specific applications and the "Store Manager" dashboard. The sample template's definition of the planner group includes the executive group mentioned above.

Property: workspace.password

Example: workspace.password=welcome1

Description: This property defines the default password used by the ORW users created in the "create-demo-users" target. These users (or an administrator) may change this password after they have been created.

Property: execute.ldap.scripts

Example: execute.ldap.scripts=false

Description: This property controls whether or not the LDIF created script is loaded into the OID LDAP. A value of "false" specifies the script to only create the LDIF script. A value of "true" specifies the script to create and load the LDIF script. NOTE: some scripts will contain password information and an administrator should either delete them after loading or limit access to these files.

Expand and Execute the ORW LDAP Data Utility

1. Log into the server running your OID installation.
2. Set your ORACLE_HOME environment variable to point to this OID installation.
3. Create a new staging directory for the ORW LDAP Data utility (orw-ldap-data.zip). There should be a minimum of 10MB disk space available for these files.

Example: /opt/oracle/retail/workspace/ldap

This location is referred to as INSTALL_DIR for the remainder of this chapter.

4. Set your JAVA_HOME to \$ORACLE_HOME/jdk.
5. Copy orw-ldap-data.zip to INSTALL_DIR and extract its contents.
6. Change directories to workspace/ldap.
7. Modify the ldap_util.properties file with the settings for your realm. This is where you need to provide the settings described in the previous section (Create or Locate Realm in Oracle Internet Directory).
8. Run the load_ldap_required_data.sh script. If the script is configured only to create the LDIF files, then you must load the files into the LDAP in the same order they were created. Otherwise, examine the file, 'ldif-errors.txt' for any errors encountered.
9. (Optional) Run the load_ldap_demo_data.sh script. As in the previous script, you must load the files into the LDAP in the same order they were created if the ORW LDAP Utility is not configured to load the data itself.
10. Examine the ldif-errors.txt file for any errors that occurred during demo data creation.

Workspace Administrator Users

One group created by the ORW Data Utility is the Workspace administrators group. The name of this group is controlled by the `ldap_util.properties` file. After the required data is loaded, members of this group will have the necessary privileges to see and execute the Permissions Management page in the ORW application.

However, additional privileges are needed for actually managing permission grants. These privileges are granted to other, well known, groups found in an OID instance, such as the IASAdmins group or the OracleContextAdmins group.

In order for an administrator to use the Delegated Administration Services (DAS) application for user and group management, the user must belong to a group such as the OracleDASAdmin group.

The scripts used by the ORW Data Utility do not add any member to these groups. Membership to these groups may be achieved via LDIF scripts, the `oidadmin` utility or the DAS application.

There are separate groups which control access to realm-specific and non-realm specific permission grants. Privileges needed to create grants to the ADF Anyone role require membership to groups outside of any realm. The DAS application is specific to a single realm. Thus, to create a permission grant to the ADF Anyone role, one must be a member of a global group, such as the IASAdmins group (found at `cn=iASAdmins,cn=Groups,cn=OracleContext`) or the JAZNAdminGroup (found at `cn=JAZNAdminGroup,cn=Groups,cn=JAZNContext,cn=Products,cn=OracleContext`). Group membership for these groups can only be modified via the `oidadmin` tool or via LDIF scripts.

Retail Portlets Installation

The ORW application bundle includes a set of three JSR 168-compliant portlets: The Report portlet, the URL portlet and the RSS portlet. These portlets are consumed by the ORW application (by the subview dashboard) and by the example dashboards (also included in the ORW bundle).

This chapter describes the portlets installation process which configures and deploys these portlets to an OC4J instance with Oracle Webcenter extensions.

Create a New OC4J Instance and Group for Portlets

Skip to the next section if you are redeploying to an existing OC4J group in Oracle WebCenter 10.1.3.3.

The Retail Portlets application must be deployed to its own dedicated OC4J instance and group (See Appendix A for details). For instructions on how to create a new OC4J group and instance, see *Managing OC4J Instances in a Group* in the *Configuring and Managing Clusters and OC4J Groups* chapter of the *Oracle Application Server Administrator's Guide*.

1. Log into the server which is running your Oracle WebCenter installation. Set your ORACLE_HOME environment variable to point to this installation.
2. Choose a name for the new OC4J instance and group.

Example: portlets_oc4j
portlets_group

Create this OC4J instance and group as documented in the *Oracle Application Server Administrator's Guide*.

Example:

```
$ORACLE_HOME/bin/createinstance  
-instanceName portlets_oc4j -groupName portlets_group
```

When prompted for the oc4jadmin password, provide the same administrative password you gave for the WebCenter installation. All OC4J instances running Oracle Retail applications must have the same oc4jadmin password.

3. If these portlets must contact URLs that require an HTTP proxy server, you need to set the following JVM system properties for the Portlets OC4J instance in \$ORACLE_HOME/opmn/conf/opmn.xml:

```
-Dhttp.proxyHost=myhost -Dhttp.proxyPort=7000
```

Substitute your proxy server host and port for the values above. These properties should go in the java-options section of start-parameters.

After making any change to opmn.xml you must reload OPMN

Example: \$ORACLE_HOME/opmn/bin/opmnctl reload

4. Start the OC4J group. You can do this through the Enterprise Manager web interface, or on the command line using the `opmnctl` utility:

```
Example: $ORACLE_HOME/opmn/bin/opmnctl @cluster  
startproc ias-component=portlets_group
```

5. Verify that the OC4J group was fully started. If you are using the Enterprise Manager web interface, the instance should have a green arrow indicating that it is running. On the command line, verify that the instance has a status of "Alive".

```
Example: $ORACLE_HOME/opmn/bin/opmnctl status
```

If you are unable to start an OC4J instance after several attempts, try increasing the startup timeouts in `ORACLE_HOME/opmn/conf/opmn.xml`. If that does not help, consult the Oracle Application Server documentation for further assistance.

Associate OC4J with OID

Skip to the next section if you are redeploying to an existing OC4J group in Oracle WebCenter 10.1.3.3 whose instance is already associated with your OID server.

The ORW solution requires OID-based security on all OC4J instances running its applications. Before installing the portlets application you must associate the portlets OC4J instance with your OID server.

Follow the instructions provided in the Oracle Application Server 10g Security Guide. See the *Associate Oracle Internet Directory with OC4J* section of the *Oracle Identity Management* chapter. This involves providing the OID host and port to OC4J. You also need to provide a username and password for an admin user (for example, `orcladmin`) that OC4J uses to add its own entry to the directory.

The result of this operation is a `jazn.xml` file for the OC4J instance that contains the OID server host, port, and default realm. There is a new entry in the directory whose DN and encrypted password are stored in `jazn.xml` and used by the OC4J instance for authentication.

```
Note: Even though you are associating a particular OC4J  
instance (example: portlets_oc4j) with OID, the ASControl  
application might save the resulting settings in the jazn.xml  
file for the home instance instead. You must look at the  
jazn.xml files from both portlets_oc4j and the home OC4J  
instance. If only the home OC4J instance was updated with  
the OID details you need to copy the jazn.xml from the home  
instance to portlets_oc4j.
```

```
jazn.xml files are located in the  
$ORACLE_HOME/j2ee/<instance>/config/ directories.
```

Restart the OC4J instance after making this change.

```
Example: $ORACLE_HOME/opmn/bin/opmnctl @cluster  
restartproc ias-component=portlets_group
```

Expand the Retail Portlets Application Distribution

1. Log into the application server as the user who owns the WebCenter ORACLE_HOME installation.
2. Create a new staging directory for the Retail Portlets application distribution (RetailPortletsApplication.zip). There should be a minimum of 100 MB disk space available for the application installation files.

Example: \$ORACLE_HOME/j2ee/portlets_oc4j/portlets-staging

This location is referred to as INSTALL_DIR for the remainder of this chapter.

3. Copy RetailPortletsApplication.zip to INSTALL_DIR and extract its contents.

Run the Retail Portlets Application Installer

Once you have an OC4J instance that is configured and started, you can run the Retail Portlets application installer. This installer configures and deploys the Portlets application.

Note: Appendix A contains details on every screen and field in the portlets installer.

1. Change directories to INSTALL_DIR/workspace/portlets.
2. Set the ORACLE_HOME and JAVA_HOME environment variables. ORACLE_HOME should point to your WebCenter installation. JAVA_HOME should point to the Java 5.0 (1.5.0) JDK located at \$ORACLE_HOME/jdk.
3. If you are using an X server such as Exceed, set the DISPLAY environment variable so that you can run the installer in GUI mode (recommended). If you are not using an X server, or the GUI is too slow over your network, unset the DISPLAY environment variable for text mode.
4. Run the install.sh script. This launches the installer. After installation is complete, a detailed installation log file is created; portletsinstall.<timestamp>.log.

Resolving Errors Encountered During Application Installation

If the application installer encounters any errors, it halts execution immediately. If you re-run the installer you are presented with the option to pre-load your previous inputs so that you do not need to type them again. You can also run the installer in silent mode to skip the installer screens entirely and use the generated ant.install.properties input file. See Appendix D of this document for instructions on silent mode.

See Appendix E of this document for some common installation errors.

Since the application installation is a full reinstall every time, any previous partial installs are overwritten by the successful installation.

Manual Deployment Option

Skip this section if you chose the default option of allowing the installer to complete installation to the application server.

The installer includes the option to configure the application locally and skip deployment to the application server. If this option is chosen, the installer makes the configured application files available under
<INSTALL_DIR>/workspace/portlets/workspace13/configured-output/.

If you chose this installer option, you can complete the installation by following these steps:

1. Make sure there have not been any application server configuration changes since the installer was run. You can do this by comparing the backup files created by the installer in the staging area to the same files in the application server.

Example: diff
<INSTALL_DIR>/workspace/portlets/workspace13/configured-output/appserver/ORACLE_HOME/j2ee/myinstance/config/jazn.xml.200710300919
\$ORACLE_HOME/j2ee/myinstance/config/jazn.xml

If there are changes to the application server's configuration file, they should be merged into the local copy under configured-output before proceeding to the next step.

2. Inspect the contents of the
<INSTALL_DIR>/workspace/portlets/workspace13/configured-output/appserver/ORACLE_HOME directory, and then overlay the files in the application server's ORACLE_HOME, using the same directory structure. This installs library files required by the application and required application server configuration changes.
3. Restart the OC4J group where Retail Portlets will be deployed.

Example: \$ORACLE_HOME/opmn/bin/opmnctl @cluster restartproc ias-component=portlets_group

4. Deploy the Retail Portlets ear file to the OC4J group using the Enterprise Manager web interface. The configured ear file is located at
<INSTALL_DIR>/workspace/portlets/workspace13/configured-output/RetailPortlets.ear. When deploying the ear file, you should provide the same application name you gave to the installer. These values are stored in the
<INSTALL_DIR>/workspace/portlets/ant.install.properties file by the installer for later reference.

Backups Created by Installer

The Retail Portlets application installer backs up some application files by renaming them with <timestamp> suffixes. This is done to prevent the removal of any custom changes you might have. These backup directories can be safely removed without affecting the current installation.

Example: RetailPortlets.200711011726

Test the Retail Portlets Application

After the application installer completes you should have a working Retail Portlets application installation. The portlets are consumed by other applications and do not have a user interface. However, you can at least verify that they are accessible by pointing a web browser to its Web Services URL

http://<host>:<port>/<ctxroot>/portlets/wsrp2?WSDL.

Example:

http://myhost:7777/RetailPortlets/portlets/wsrp2?WSDL

You should see XML data that is returned to the browser. If you get any HTTP errors accessing this document then there is a problem with your Portlets installation.

Example Dashboards Installation

There are two types of dashboards in the ORW product. External dashboards are independent J2EE applications that the ORW application pulls in and displays in its content panel. The second type is a subview dashboard, internal to the ORW application. This release includes three external dashboards (Merchant, Stores, and Planner) and one internal subview dashboard (Executive).

The ORW application bundle includes a set of three external example dashboards: Demo Merchant, Demo Planner and Demo Stores.

This chapter describes the example dashboards installation process which configures and deploys these dashboards to an OC4J instance with Oracle Webcenter extensions.

Note that the content of the portlets in the dashboards is not configured until the ORW application installation.

Please also note that these example dashboards are non-GA and therefore not supported.

Create a New OC4J Instance and Group for Dashboards

Skip to the next section if you are redeploying to an existing OC4J group in Oracle WebCenter 10.1.3.3.

The Retail Dashboards application must be deployed to its own dedicated OC4J instance and group (See Appendix B for details). For instructions on how to create a new OC4J group and instance, see *Managing OC4J Instances in a Group* in the *Configuring and Managing Clusters and OC4J Groups* chapter of the *Oracle Application Server Administrator's Guide*.

1. Log into the server which is running your Oracle WebCenter installation. Set your ORACLE_HOME environment variable to point to this installation.
2. Choose a name for the new OC4J instance and group.

Example: dashboards_oc4j
dashboards_group

Create this OC4J instance and group as documented in the *Oracle Application Server Administrator's Guide*.

Example:
\$ORACLE_HOME/bin/createinstance
-instanceName dashboards_oc4j -groupName
dashboards_group

When prompted for the oc4jadmin password, provide the same administrative password you gave for the WebCenter installation. All OC4J instances running Oracle Retail applications must have the same oc4jadmin password.

3. Start the OC4J group. You can do this through the Enterprise Manager web interface, or on the command line using the opmnctl utility:

Example: \$ORACLE_HOME/opmn/bin/opmnctl @cluster
startproc ias-component=dashboards_group

4. Verify that the OC4J group was fully started. If you are using the Enterprise Manager web interface, the instance should have a green arrow indicating that it is running. On the command line, verify that the instance has a status of "Alive".

Example: `$ORACLE_HOME/opmn/bin/opmnctl status`

If you are unable to start an OC4J instance after several attempts, try increasing the startup timeouts in `ORACLE_HOME/opmn/conf/opmn.xml`. If that does not help, consult the Oracle Application Server documentation for further assistance.

Associate OC4J with OID

Skip to the next section if you are redeploying to an existing OC4J group in Oracle WebCenter 10.1.3.3 whose instance is already associated with your OID server.

The ORW solution requires OID-based security on all OC4J instances running its applications. Before installing the example dashboards you must associate the dashboards OC4J instance with your OID server.

Follow the instructions provided in the Oracle Application Server 10g Security Guide. See the *Associate Oracle Internet Directory with OC4J* section of the *Oracle Identity Management* chapter. This involves providing the OID host and port to OC4J. You also need to provide a username and password for an admin user (for example, orcladmin) that OC4J uses to add its own entry to the directory.

The result of this operation is a `jazn.xml` file for the OC4J instance that contains the OID server host, port, and default realm. There is a new entry in the directory whose DN and encrypted password is stored in `jazn.xml` and used by the OC4J instance for authentication.

Note: Even though you are associating a particular OC4J instance (example: `dashboards_oc4j`) with OID, the ASControl application might save the resulting settings in the `jazn.xml` file for the *home* instance instead. You must look at the `jazn.xml` files from both `dashboards_oc4j` and the *home* OC4J instance. If only the *home* OC4J instance was updated with the OID details you need to copy the `jazn.xml` from the *home* instance to `dashboards_oc4j`.

`jazn.xml` files are located in the
`$ORACLE_HOME/j2ee/<instance>/config/` directories.

Restart the OC4J instance after making this change.

Example: `$ORACLE_HOME/opmn/bin/opmnctl @cluster restartproc ias-component=dashboards_group`

Expand the Retail Dashboards Distribution

1. Log into the application server as the user who owns the WebCenter ORACLE_HOME installation. Create a new staging directory for the Retail Dashboards application distribution (RetailWorkspaceDemoDashboards.zip). There should be a minimum of 100 MB disk space available for the application installation files.

Example:

```
$ORACLE_HOME/j2ee/dashboards_oc4j/dashboards-
staging
```

This location is referred to as `INSTALL_DIR` for the remainder of this chapter.

2. Copy RetailWorkspaceDemoDashboards.zip to `INSTALL_DIR` and extract its contents.

Run the Retail Dashboards Installer

Once you have an OC4J instance that is configured and started, you can run the Retail Dashboards application installer. This installer configures and deploys the example dashboards.

Note: Appendix B contains details on every screen and field in the dashboards installer.

1. Change directories to `INSTALL_DIR/workspace/dashboards`.
2. Set the `ORACLE_HOME` and `JAVA_HOME` environment variables. `ORACLE_HOME` should point to your WebCenter installation. `JAVA_HOME` should point to the Java 5.0 (1.5.0) JDK located at `$ORACLE_HOME/jdk`.
3. If you are using an X server such as Exceed, set the `DISPLAY` environment variable so that you can run the installer in GUI mode (recommended). If you are not using an X server, or the GUI is too slow over your network, unset `DISPLAY` for text mode.
4. Run the `install.sh` script. This launches the installer. After installation is complete, a detailed installation log file is created: `dashboardsinstall.<timestamp>.log`.

Resolving Errors Encountered During Application Installation

If the application installer encounters any errors, it halts execution immediately. If you re-run the installer you are presented with the option to pre-load your previous inputs so that you do not need to type them again. You can also run the installer in silent mode to skip the installer screens entirely and use the generated `ant.install.properties` input file. See Appendix D of this document for instructions on silent mode.

See Appendix E of this document for some common installation errors.

Since the application installation is a full reinstall every time, any previous partial installs will be overwritten by the successful installation.

Manual Deployment Option

Skip this section if you chose the default option of allowing the installer to complete installation to the application server.

The installer includes the option to configure the application locally and skip deployment to the application server. If this option is chosen, the installer makes the configured application files available under `<INSTALL_DIR>/workspace/dashboards/workspace13/configured-output/`.

If you chose this installer option, you can complete the installation by following these steps:

1. Make sure there have not been any application server configuration changes since the installer was run. You can do this by comparing the backup files created by the installer in the staging area to the same files in the application server.

Example: diff
`<INSTALL_DIR>/workspace/dashboards/workspace13/configured-output/appserver/ORACLE_HOME/j2ee/myinstance/config/jazn.xml.200710300919`
`$ORACLE_HOME/j2ee/myinstance/config/jazn.xml`

If there are changes to the application server's configuration file, they should be merged into the local copy under `configured-output` before proceeding to the next step.

2. Inspect the contents of the `<INSTALL_DIR>/workspace/dashboards/workspace13/configured-output/appserver/ORACLE_HOME` directory, and then overlay the files in the application server's `ORACLE_HOME`, using the same directory structure. This installs library files required by the application and required application server configuration changes.
3. Restart the OC4J group where Retail Dashboards will be deployed.

Example: `$ORACLE_HOME/opmn/bin/opmnctl @cluster restartproc ias-component=dashboards_group`

4. Deploy the Retail Dashboards ear files to the OC4J group using the Enterprise Manager web interface. The configured ear files are located at `<INSTALL_DIR>/workspace/dashboards/workspace13/configured-output/Demo*Dashboard.ear`. When deploying the ear files, you should provide the same application names you gave to the installer. These values are stored in the `<INSTALL_DIR>/workspace/dashboards/ant.install.properties` file by the installer for later reference.

Backups Created by Installer

The Retail Dashboards application installer backs up some application files by renaming them with <timestamp> suffixes. This is done to prevent the removal of any custom changes you might have. These backup directories can be safely removed without affecting the current installation.

Example: dashboards-mds-stores.200711011726

Test the Demo Dashboards Applications

Use the URLs supplied at the end of the Dashboards installation process.

Example:

<http://myhost:7777/MerchantDashboard/faces/DemoMerchantDashboard.jspx>

<http://myhost:7777/PlannerDashboard/faces/DemoPlannerDashboard.jspx>

<http://myhost:7777/StoresDashboard/faces/DemoStoresDashboard.jspx>

Paste each of the URLs in a browser window and click Go.

Type the login credentials when prompted. If you get a blank screen (this is a SSO bug) paste the URL in the same browser window and click Go. This should bring up the dashboard with errors or no content in the portlets. That is a successful test since the portlets need a number of parameters that are not supplied in this test.

Workspace Application Installation

Create a New OC4J Instance and Group for ORW

Skip to the next section if you are redeploying to an existing OC4J group in Oracle WebCenter 10.1.3.3.

The ORW application must be deployed to its own dedicated OC4J instance and group (see Appendix C for details). For instructions on how to create a new OC4J group and instance, see *Managing OC4J Instances in a Group* in the *Configuring and Managing Clusters and OC4J Groups* chapter of the *Oracle Application Server Administrator's Guide*.

1. Log into the server which is running your Oracle WebCenter installation. Set your ORACLE_HOME environment variable to point to this installation.
2. Choose a name for the new OC4J instance and group.

Example: orw_oc4j
orw_group

Create this OC4J instance and group as documented in the *Oracle Application Server Administrator's Guide*.

Example:
\$ORACLE_HOME/bin/createinstance
-instanceName orw_oc4j

-groupName orw_group

When prompted for the oc4jadmin password, provide the same administrative password you gave for the WebCenter installation. All OC4J instances running Oracle Retail applications must have the same oc4jadmin password.

3. Start the OC4J group. You can do this through the Enterprise Manager web interface, or on the command line using the opmnctl utility:

Example: \$ORACLE_HOME/opmn/bin/opmnctl @cluster
startproc ias-component=orw_group

4. Verify that the OC4J group is fully started. If you are using the Enterprise Manager web interface, the instance should have a green arrow indicating that it is running. On the command line, verify that the instance has a status of "Alive".

Example: \$ORACLE_HOME/opmn/bin/opmnctl status

If you are unable to start an OC4J instance after several attempts, try increasing the startup timeouts in ORACLE_HOME/opmn/conf/opmn.xml. If that does not help, consult the Oracle Application Server documentation for further assistance.

Associate OC4J with OID

Skip to the next section if you are redeploying to an existing OC4J group in Oracle WebCenter 10.1.3.3 whose instance is already associated with your OID server.

The ORW solution requires OID-based security on all OC4J instances running its applications. Before installing the ORW application you must associate the ORW OC4J instance with your OID server.

Follow the instructions provided in the Oracle Application Server 10g Security Guide. See the *Associate Oracle Internet Directory with OC4J* section of the *Oracle Identity Management* chapter. This involves providing the OID host and port to OC4J. You also need to provide a username and password for an admin user (for example, orcladmin) that OC4J uses to add its own entry to the directory.

The result of this operation is a `jazn.xml` file for the OC4J instance that contains the OID server host, port, and default realm. There is a new entry in the directory whose DN and encrypted password is stored in `jazn.xml` and used by the OC4J instance for authentication.

Note: Even though you are associating a particular OC4J instance (example: `orw_oc4j`) with OID, the ASControl application might save the resulting settings in the `jazn.xml` file for the `home` instance instead. You must look at the `jazn.xml` files from both `orw_oc4j` and the `home` OC4J instance. If only the `home` OC4J instance was updated with the OID details you need to copy the `jazn.xml` from the `home` instance to `orw_oc4j`.

`jazn.xml` files are located in the
`$ORACLE_HOME/j2ee/<instance>/config/` directories.

Restart the OC4J instance after making this change.

Example: `$ORACLE_HOME/opmn/bin/opmnctl @cluster restartproc ias-component=orw_group`

Expand the ORW Distribution

1. Log into the application server as the user who owns the WebCenter ORACLE_HOME installation. Create a new staging directory for the ORW application distribution (`RetailWorkspaceApplication.zip`). There should be a minimum of 60 MB disk space available for the application installation files.

Example: `$ORACLE_HOME/j2ee/orw_oc4j/workspace-staging`

This location is referred to as `INSTALL_DIR` for the remainder of this chapter.

2. Copy `RetailWorkspaceApplication.zip` to `INSTALL_DIR` and extract its contents.

Run the ORW Installer

Once you have an OC4J instance that is configured and started, you can run the ORW application installer. This installer configures and deploys the ORW application.

Note: Appendix C contains details on every screen and field in the workspace application installer.

1. Change directories to `INSTALL_DIR/workspace/workspaceapp`.
2. Set the `ORACLE_HOME` and `JAVA_HOME` environment variables. `ORACLE_HOME` should point to your WebCenter installation. `JAVA_HOME` should point to the Java 5.0 (1.5.0) JDK located at `$ORACLE_HOME/jdk`.
3. If you are using an X server such as Exceed, set the `DISPLAY` environment variable so that you can run the installer in GUI mode (recommended). If you are not using an X server, or the GUI is too slow over your network, unset `DISPLAY` for text mode.
4. Run the `install.sh` script. This launches the installer. After installation is complete, a detailed installation log file is created: `workspaceinstall.<timestamp>.log`.

Resolving Errors Encountered During Application Installation

If the application installer encounters any errors, it halts execution immediately. If you re-run the installer you are presented with the option to pre-load your previous inputs so that you do not need to type them again. You can also run the installer in silent mode to skip the installer screens entirely and use the generated `ant.install.properties` input file. See Appendix D of this document for instructions on silent mode.

See Appendix E of this document for some common installation errors.

Since the application installation is a full reinstall every time, any previous partial installs are overwritten by the successful installation.

Oracle Configuration Manager

The first OCM collector distribution that will be aware of the Oracle Retail applications is in development. This version of OCM is scheduled to be posted for download but is not yet available. Oracle Retail recommends that retailers download OCM 10.3.0 from ARU and use the `"emCCR update_components"` command to upgrade installed OCM collectors. See the OCM Installation and Administration Guide for further instructions. The Retail OCM Installer released with Oracle Retail 13.0 applications will install OCM 10.2.7. If the collector remains at version 10.2.7 and is installed in connected mode, an automatic update to version 10.3.0 is expected to occur later this year, the time at which 10.3.0 becomes a mandatory upgrade.

For more information, see the following:

Metalink Note: 559539.1

The Oracle Configuration Manager Installer Guide describes the procedures and interface of the Oracle Retail Oracle Configuration Manager Installer that a retailer runs near the completion of its installation process.

Manual Deployment Option

Skip this section if you chose the default option of allowing the installer to complete installation to the application server.

The installer includes the option to configure the application locally and skip deployment to the application server. If this option is chosen, the installer makes the configured application files available under `<INSTALL_DIR>/workspace/workspaceapp/workspace13/configured-output/`.

If you chose this installer option, you can complete the installation by following these steps:

1. Make sure there have not been any application server configuration changes since the installer was run. You can do this by comparing the backup files created by the installer in the staging area to the same files in the application server.

Example: diff
`<INSTALL_DIR>/workspace/workspaceapp/workspace13/configured-output/appserver/ORACLE_HOME/j2ee/myinstance/config/jazn.xml.200710300919`
`$ORACLE_HOME/j2ee/myinstance/config/jazn.xml`

If there are changes to the application server's configuration file, they should be merged into the local copy under `configured-output` before proceeding to the next step.

2. Inspect the contents of the `<INSTALL_DIR>/workspace/workspaceapp/workspace13/configured-output/appserver/ORACLE_HOME` directory, and then overlay the files in the application server's `ORACLE_HOME`, using the same directory structure. This installs library files required by the application and required application server configuration changes.
3. Restart the OC4J group where Retail Workspace will be deployed.

Example: `$ORACLE_HOME/opmn/bin/opmnctl @cluster restartproc ias-component=orw_group`

4. Deploy the Retail Workspace ear file to the OC4J group using the Enterprise Manager web interface. The configured ear file is located at `<INSTALL_DIR>/workspace/workspaceapp/workspace13/configured-output/RetailWorkspace.ear`. When deploying the ear file, you should provide the same application name you gave to the installer. This value is stored in the `<INSTALL_DIR>/workspace/workspaceapp/ant.install.properties` file by the installer for later reference.

Backups Created by Installer

The ORW application installer backs up some application files by renaming them with <timestamp> suffixes. This is done to prevent the removal of any custom changes you might have. These backup directories can be safely removed without affecting the current installation.

Example: RetailWorkspace.200711011726

Test the ORW Application

After the application installer completes you should have a working ORW application installation. You can test this by accessing the front page of the application.

http://<host>:<port>/<ctxroot>

Example: http://myhost:7777/RetailWorkspace

Appendix: Portlets Application Installer Screens

You need the following details about your environment for the installer to successfully deploy the Retail Portlets application. Depending on the options you select, you may not see some screens or fields.

Screen: HTTP Proxy Server



This is an informational screen that explains a manual configuration requirement if you are using an HTTP proxy server for your portlets.

Screen: Application Server Details – Oracle WebCenter

ORACLE

Application Server Details – Oracle WebCenter

Hostname

The OPMN request port is found in ORACLE_HOME/opmn/conf/opmn.xml

OPMN request port

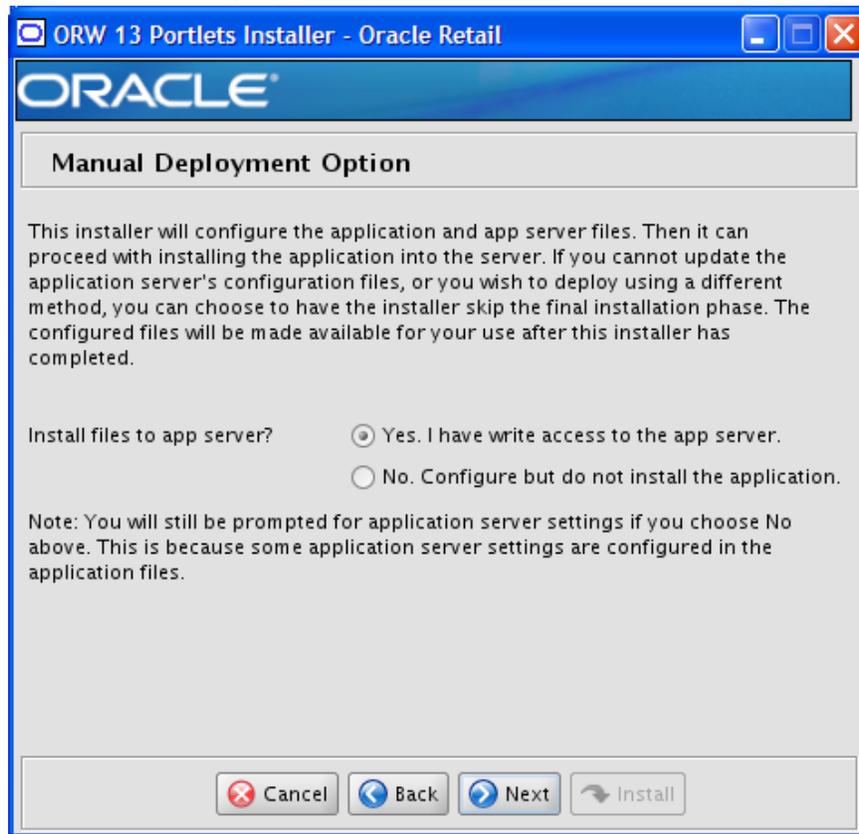
Cancel Back Next Install

Fields on this screen:

Field Title	Hostname
Field Description	Application server host
Destination	
Example	myhost
Notes	

Field Title	OPMN request port
Field Description	Port on which OPMN listens for requests to forward on to OC4J instances. This port can be found in the ORACLE_HOME/opmn/conf/opmn.xml file: <pre><port local="6100" remote="6200" request="6003"/></pre> The installer attempts to present a default value that matches your environment.
Destination	
Example	6003
Notes	

Screen: Manual Deployment Option



Fields on this screen:

Field Title	Install files to app server?
Field Description	If you do not have write access under ORACLE_HOME, you can still use the installer to gather your settings and configure the portlets files locally in the staging area. Then, at a later time, an administrator can manually copy over the portlets files and deploy the ear file. If you select this option, instructions are printed to the console and the installer log file for the steps needed to complete the installation.
Destination	
Notes	

Screen: OC4J Instance and Group

Fields on this screen:

Field Title	Portlets OC4J instance
Field Description	Name of the OC4J instance that was created for the portlets application.
Example	portlets_oc4j
Notes	
Field Title	Portlets OC4J group
Field Description	Name of the OC4J group that was created for this portlets application. The OC4J instance given for the Portlets OC4J Instance field should be a member of this group. The installer deploys the portlets application to all OC4J instances which are members of this group. For this reason, you should not use default_group. A new group dedicated to portlets should be created instead.
Example	portlets_group
Notes	

Screen: Application Deployment Details

Fields on this screen:

Field Title	Portlets app deployment name
Field Description	Name by which this portlets application is identified in the application server
Example	RetailPortlets
Notes	
Field Title	Portlets context root
Field Description	Path relative to the HTTP server URL where the portlets are accessed.
Example	RetailPortlets
Notes	

Screen: OC4J Administrative User

Fields on this screen:

Field Title	OC4J admin user
Field Description	Username of the admin user for OC4J instance to which the Portlets application is being deployed.
Example	oc4jadmin
Notes	
Field Title	OC4J admin password
Field Description	Password for the OC4J admin user. You chose this password when you created the OC4J instance (managed OC4J) or when you started the instance for the first time (standalone OC4J).
Notes	

Appendix: Dashboards Installer Screens

You need the following details about your environment for the installer to successfully deploy the Example Dashboards applications. Depending on the options you select, you may not see some screens or fields.

Screen: Application Server Details – Oracle WebCenter

Fields on this screen:

Field Title	Hostname
Field Description	Application server host
Destination	
Example	myhost
Notes	

Field Title	OPMN request port
Field Description	Port on which OPMN listens for requests to forward on to OC4J instances. This port can be found in the ORACLE_HOME/opmn/conf/opmn.xml file: <code><port local="6100" remote="6200" request="6003"/></code> The installer attempts to present a default value that matches your environment.
Destination	
Example	6003
Notes	

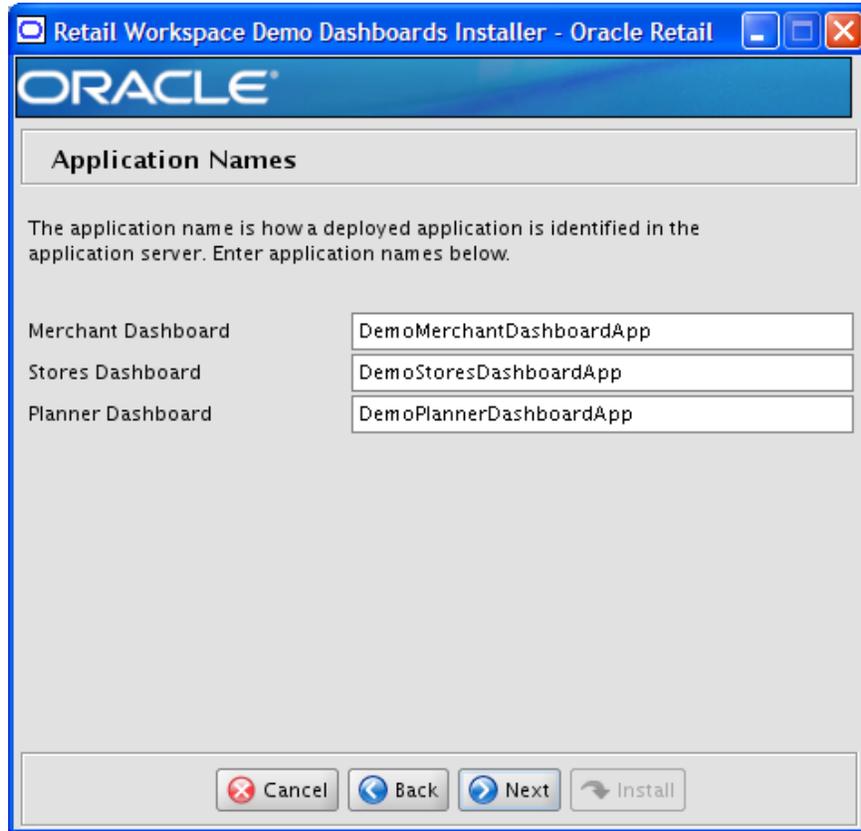
Screen: Manual Deployment Option



Fields on this screen:

Field Title	Install files to app server?
Field Description	If you do not have write access under ORACLE_HOME, you can still use the installer to gather your settings and configure the dashboard files locally in the staging area. Then, at a later time, an administrator can manually copy over the dashboard files and deploy the ear file. If you select this option, instructions are printed to the console and the installer log file for the steps needed to complete the installation.
Destination	
Notes	

Screen: Application Names



Fields on this screen:

Field Title	Merchant Dashboard
Field Description	Name by which the Merchant Dashboard application is identified in the application server
Example	DemoMerchantDashboardApp
Notes	
Field Title	Stores Dashboard
Field Description	Name by which the Stores Dashboard application is identified in the application server
Example	DemoStoresDashboardApp
Notes	

Field Title	Planner Dashboard
Field Description	Name by which the Planner Dashboard application is identified in the application server
Example	DemoPlannerDashboardApp
Notes	

Screen: OC4J Instance and Group

OC4J Instance and Group

Enter the name of the OC4J instance to which the dashboards will be deployed

Dashboards OC4J instance

The OC4J instance for dashboards must belong to an OC4J group created specifically for this dashboards deployment. This installer will deploy the dashboards into the group. You must have a group with just one member OC4J instance. Do NOT use default_group in this field.

Dashboards OC4J group

Cancel Back Next Install

Fields on this screen:

Field Title	Dashboards OC4J instance
Field Description	Name of the OC4J instance that was created for the dashboard applications.
Example	dashboards_oc4j
Notes	
Field Title	Dashboards OC4J group
Field Description	Name of the OC4J group that was created for these dashboard applications. The OC4J instance given for the Dashboards OC4J Instance field should be a member of this group. The installer deploys the dashboard applications to all OC4J instances which are members of this group. For this reason, you should not use default_group. A new group dedicated to dashboards should be created instead.
Example	dashboards_group
Notes	

Screen: Context Roots

Context Roots

A web context root determines how an application will be accessed via an HTTP URL (i.e. http://host:port/contextroot). Enter context roots below.

Merchant Dashboard	MerchantDashboard
Stores Dashboard	StoresDashboard
Planner Dashboard	PlannerDashboard

Buttons: Cancel, Back, Next, Install

Fields on this screen:

Field Title	Merchant Dashboard
Field Description	Path relative to the HTTP server URL where the Merchant Dashboard is accessed.
Example	MerchantDashboard
Notes	

Field Title	Stores Dashboard
Field Description	Path relative to the HTTP server URL where the Stores Dashboard is accessed.
Example	StoresDashboard
Notes	

Field Title	Planner Dashboard
Field Description	Path relative to the HTTP server URL where the Planner Dashboard is accessed.
Example	PlannerDashboard
Notes	

Screen: OC4J Administrative User

Fields on this screen:

Field Title	OC4J admin user
Field Description	Username of the admin user for OC4J instance to which the dashboard applications are being deployed.
Example	oc4jadmin
Notes	

Field Title	OC4J admin password
Field Description	Password for the OC4J admin user. You chose this password when you created the OC4J instance (managed OC4J) or when you started the instance for the first time (standalone OC4J).
Notes	

Screen: Dashboards MDS Directories

Dashboards MDS Directories

MDS (MetaData Services) is a feature of Oracle WebCenter applications that is used to store metadata required for the WebCenter application and the portlets displayed in the application. By default the ORW application and dashboards use file-based MDS. You must provide a separate MDS directory path for each of the dashboards.

Merchant Dashboard MDS Dir:

Stores MDS Dir:

Planner MDS Dir:

Fields on this screen:

Field Title	Merchant Dashboard MDS Dir
Field Description	Path to a directory that is used to store MDS data for the Merchant Dashboard. If this directory already exists the installer backs it up with a timestamp suffix and creates a new one in its place. Note: Each Dashboard's MDS directory must be unique.
Example	/path/to/ORACLE_HOME/j2ee/dashboards_oc4j/dashboards-mds-merchant
Notes	
Field Title	Stores Dashboard MDS Dir
Field Description	Path to a directory that is used to store MDS data for the Stores Dashboard. If this directory already exists the installer backs it up with a timestamp suffix and creates a new one in its place. Note: Each Dashboard's MDS directory must be unique.
Example	/path/to/ORACLE_HOME/j2ee/dashboards_oc4j/dashboards-mds-stores
Notes	

Field Title	Planner Dashboard MDS Dir
Field Description	Path to a directory that is used to store MDS data for the Planner Dashboard. If this directory already exists the installer backs it up with a timestamp suffix and creates a new one in its place. Note: Each Dashboard's MDS directory must be unique.
Example	/path/to/ORACLE_HOME/j2ee/dashboards_oc4j/dashboards-mds-planner
Notes	

Screen: Portlets

Fields on this screen:

Field Title	Portlets Web Services URL
Field Description	<p>Web services URL used to access the retail portlets. The XML obtained through this URL provides abstract information about the deployed portlet producer. This URL corresponds to the Retail Portlets install also covered in this document.</p> <p>This URL uses the following format <code>http://<portletshost>:<httpport>/<contextroot>/portlets/wsrp2?WSDL</code></p> <p>Note: You can test this URL in a web browser. You should see an XML document that is returned when you access the URL.</p>
Example	<code>http://myportletshost:7777/RetailPortlets/portlets/wsrp2?WSDL</code>
Notes	
Field Title	Use proxy?
Field Description	Check box true/false field to indicate whether or not an HTTP proxy server must be used to access the portlets in your environment.
Notes	

Screen: Portlets Proxy Settings

Portlets Proxy Settings

Enter the proxy server settings for Retail Portlets.

Portlets HTTP proxy host

Portlets HTTP proxy port

Cancel Back Next Install

Fields on this screen:

Field Title	Portlets HTTP proxy host
Field Description	Host of the HTTP proxy server.
Example	myproxyhost
Notes	This screen depends on checking the “Use proxy?” box in the previous Portlets screen and will not be displayed if it is unchecked.
Field Title	Portlets HTTP proxy port
Field Description	Port of the HTTP proxy server.
Example	80
Notes	This screen depends on checking the “Use proxy?” box in the previous Portlets screen and will not be displayed if it is unchecked.

Appendix: Workspace Installer Screens

You need the following details about your environment for the installer to successfully deploy the ORW application. Depending on the options you select, you may not see some screens or fields.

Screen: Application Server Details – Oracle WebCenter

The screenshot shows a window titled "Retail Workspace Installer - Oracle Retail". Inside, there's a header with the Oracle logo and a sub-header "Application Server Details - Oracle WebCenter". Below this, there are three input fields: "Hostname" containing "mspdev68", "HTTP Port" containing "7782", and "OPMN request port" containing "6007". A note above the last field says "The OPMN request port is found in ORACLE_HOME/opmn/conf/opmn.xml". At the bottom, there are four buttons: "Cancel", "Back", "Next", and "Install".

Fields on this screen:

Field Title	Hostname
Field Description	Application server host
Destination	
Example	myhost
Notes	

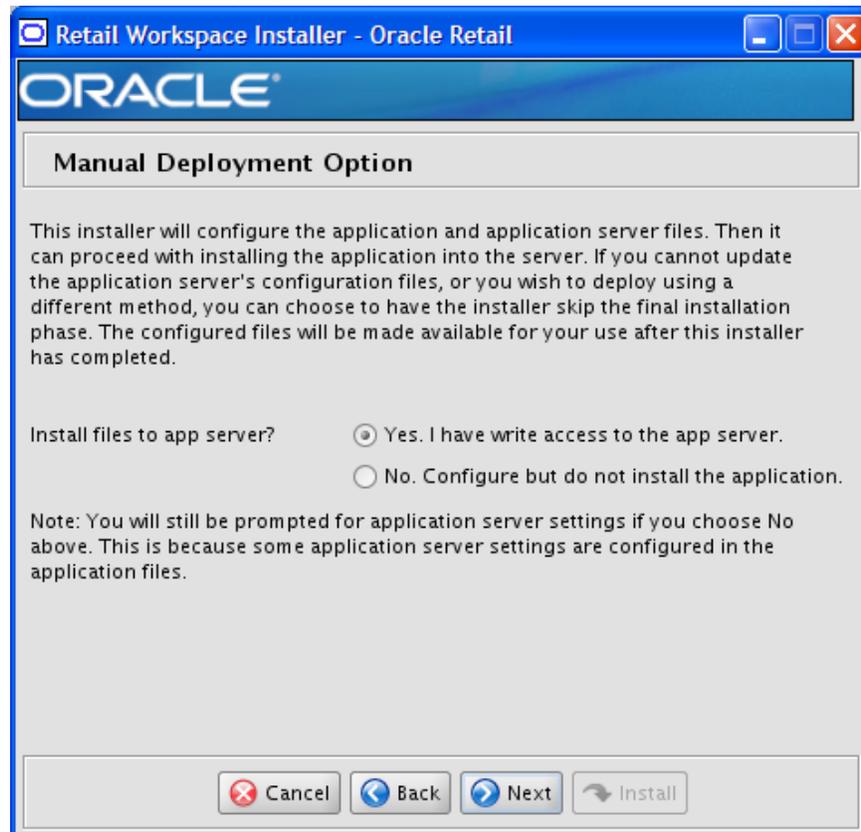
Field Title	HTTP Port
--------------------	-----------

Field Description	<p>Port on which OC4J listens for HTTP requests. This port can be found in the ORACLE_HOME/Apache/Apache/conf/httpd.conf file for enterprise OC4J containers:</p> <p>Listen 8888</p> <p>Or in the ORACLE_HOME/j2ee/home/config/default-web-site.xml file otherwise:</p> <pre><web-site ... port="8888" ... ></pre> <p>The installer attempts to present a default value that matches your environment.</p>
Destination	
Example	8888
Notes	

Field Title	OPMN request port
--------------------	-------------------

Field Description	<p>Port on which OPMN listens for requests to forward on to OC4J instances. This port can be found in the ORACLE_HOME/opmn/conf/opmn.xml file:</p> <pre><port local="6100" remote="6200" request="6003"/></pre> <p>The installer attempts to present a default value that matches your environment.</p>
Destination	
Example	6003
Notes	

Screen: Manual Deployment Option



Fields on this screen:

Field Title	Install files to app server?
Field Description	If you do not have write access under ORACLE_HOME, you can still use the installer to gather your settings and configure the ORW files locally in the staging area. Then, at a later time, an administrator can manually copy over the ORW files and deploy the ear file. If you select this option, instructions are printed to the console and the installer log file for the steps needed to complete the installation.
Destination	
Notes	

Screen: Application Deployment Details



Fields on this screen:

Field Title	ORW app deployment name
Field Description	Name by which this ORW application is identified in the application server
Example	orw
Notes	
Field Title	ORW context root
Field Description	Path relative to the HTTP server URL where the ORW application is accessed.
Example	RetailWorkspace
Notes	

Screen: OC4J Instance and Group

OC4J Instance and Group

Enter the name of the OC4J instance and group to which the application will be deployed

ORW OC4J instance

The OC4J instance for ORW must belong to an OC4J group created specifically for this ORW deployment. This installer will deploy the ORW application into the group. You must have a group with just one member OC4J instance. Do NOT use default_group in this field.

ORW OC4J group

Cancel Back Next Install

Fields on this screen:

Field Title	ORW OC4J instance
Field Description	Name of the OC4J instance that was created for the ORW applications.
Example	orw_oc4j
Notes	
Field Title	ORW OC4J group
Field Description	Name of the OC4J group that was created for the ORW application. The OC4J instance given for the ORW OC4J Instance field should be a member of this group. The installer deploys the ORW application to all OC4J instances which are members of this group. For this reason, you should not use default_group. A new group dedicated to ORW should be created instead.
Example	orw_group
Notes	

Screen: OC4J Administrative User

Fields on this screen:

Field Title	OC4J admin user
Field Description	Username of the admin user for OC4J instance to which the ORW application is being deployed.
Example	oc4jadmin
Notes	
Field Title	OC4J admin password
Field Description	Password for the OC4J admin user. You chose this password when you created the OC4J instance (managed OC4J) or when you started the instance for the first time (standalone OC4J).
Notes	

Screen: Oracle Wallet

Oracle Wallet

An Oracle Wallet is an encrypted container used to store and retrieve sensitive credentials. This Wallet will contain passwords used by ORW such as those for LDAP and the BIPublisher and BIEE reports servers. A new wallet will be created during installation with the password entered below used to open it. The field for the wallet password must be filled out to move on to the next screen.

Oracle Wallet file password

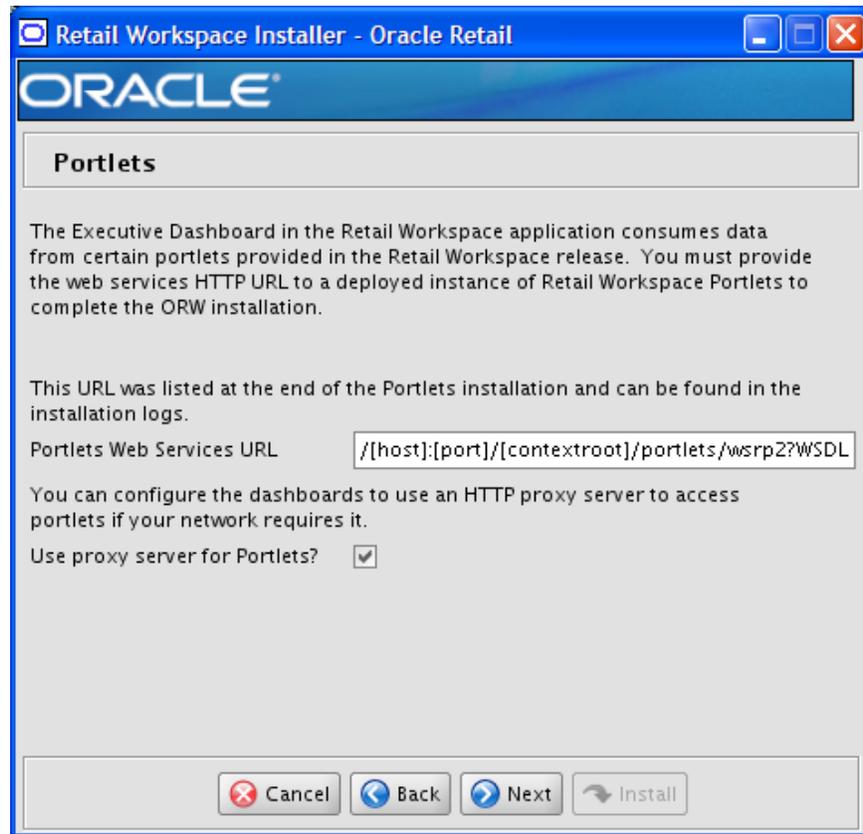
Please re-enter password

Cancel Back Next Install

Fields on this screen:

Field Title	Oracle Wallet file password
Field Description	<p>Password for the new Oracle Wallet which is created during installation to hold several passwords used by the ORW application. This password is required to open the wallet and retrieve its contents.</p> <p>It is recommended that this password be at least 8 characters in length and contain both letters and numbers.</p>
Notes	
Field Title	Please re-enter password
Field Description	Confirm the new Oracle Wallet password by re-entering it in this field.
Notes	

Screen: Portlets



Fields on this screen:

Field Title	Portlets Web Services URL
Field Description	<p>Web services URL used to access the retail portlets. The XML obtained through this URL provides abstract information about the deployed portlet producer. This URL corresponds to the Retail Portlets install also covered in this document.</p> <p>This URL uses the following format <code>http://<portletshost>:<httpport>/<contextroot>/portlets/wsrp2?WSDL</code></p> <p>Note: You can test this URL in a web browser. You should see an XML document that is returned when you access the URL.</p>
Example	<code>http://myportletshost:7777/RetailPortlets/portlets/wsrp2?WSDL</code>
Notes	
Field Title	Using proxy server for Portlets?
Field Description	Check box true/false field to indicate whether or not an HTTP proxy server must be used to access the portlets in your environment.
Notes	

Screen: Portlets Proxy Settings

Portlets Proxy Settings

Enter the proxy server settings for Retail Portlets.

Portlets proxy server host

Portlets proxy server port

Cancel Back Next Install

Fields on this screen:

Field Title	Portlets proxy server host
Field Description	Host of the HTTP proxy server.
Example	myproxyhost
Notes	This screen depends on checking the "Use proxy?" box in the previous Portlets screen and will not be displayed if it is unchecked.
Field Title	Portlets proxy server port
Field Description	Port of the HTTP proxy server.
Example	80
Notes	This screen depends on checking the "Use proxy?" box in the previous Portlets screen and will not be displayed if it is unchecked.

Screen: ORW MDS Directory



Fields on this screen:

Field Title	ORW MDS Directory
Field Description	Path to a directory that will be used to store MDS data for the ORW application. If this directory already exists the installer will back it up with a timestamp suffix and create a new one in its place. Note: MDS directories should not be shared between applications. The ORW MDS directory and the Example Dashboard MDS directories must each be unique.
Example	/path/to/ORACLE_HOME/j2ee/orw_oc4j/workspace-mds
Notes	

Screen: LDAP Directory Server

LDAP Directory Server

The ORW application and its dashboards use the OID (Oracle Internet Directory) LDAP directory server for user data. The ORW application has its own login to the LDAP server. The password for this login is stored in the Oracle Wallet under the ldap-user-pw alias. This password is also referred to in the ldap_util.properties file used in the creation of the ORW application login.

LDAP server host: [host]

LDAP server port: 389

LDAP login password: *****

LDAP realm name: [LDAP realm name]

LDAP realm DN: [LDAP realm DN]

LDAP realm policy DN: .,cn=products,cn=OracleContext,[LDAP realm DN]

Use SSL in LDAP connection?

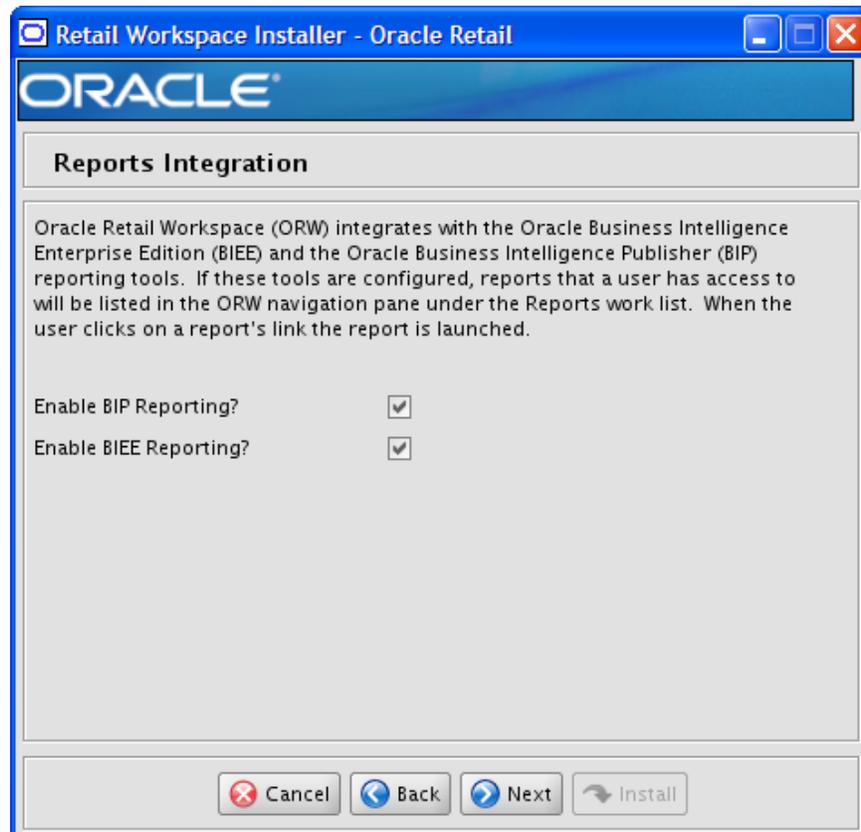
Buttons: Cancel, Back, Next, Install

Fields on this screen:

Field Title	LDAP server host
Field Description	Name of computer hosting the OID LDAP server.
Example	myldaphost
Notes	
Field Title	LDAP server port
Field Description	Port LDAP server is listening on
Example	389
Notes	

Field Title	LDAP login password
Field Description	The ORW application and its dashboards use the OID (Oracle Internet Directory) LDAP directory server for user data. The password for this LDAP login DN is configurable in the ldap_util.properties and must match the ldap-user-pw alias in the wallet.
Notes	
Field Title	LDAP realm name
Field Description	Realm nickname
Example	us
Notes	
Field Title	LDAP realm DN
Field Description	Distinguished name of Realm
Example	dc=us,dc=oracle,dc=com
Notes	
Field Title	LDAP realm policy DN
Field Description	Distinguished name where the Realm policy information is found.
Example	cn=Policy,cn=JAZNContext,cn=products,cn=OracleContext,dc=us,dc=oracle,dc=com
Notes	
Field Title	Use SSL in LDAP connection?
Field Description	Determines if the ORW application communicates with the OID LDAP via an SSL connection
Notes	

Screen: Reports Integration



Fields on this screen:

Field Title	Enable BIP Reporting?
Field Description	Determines if the BIP reporting tool will be used in ORW.
Notes	
Field Title	Enable BIEE Reporting?
Field Description	Determines if the BIEE reporting tool will be used in ORW.
Notes	

Screen: BIP settings

BIP settings

Settings for the BIP reporting tool. The BIP login ID must be that of an administrator that has access to the BIP webservicees.

BIP Webservices URL prefix
 Make sure this is not OSSO protected (see Implementation Guide for more detail)

BIP Reports URL Prefix

BIP Login ID

BIP Password Alias

BIP login password

BIP Shared Reports Folder(s)
 Multiple folder names can be entered separated by comma.

Cancel Back Next Install

Fields on this screen:

Field Title	BIP Webservices URL prefix
Field Description	<p>This is the prefix for the BIEE Web Services URL e.g. <code>http://<servername>:<portnumber>/analytics/services</code>. This is used by Workspace to call the BIEE SAWSessionService and WebCatalogService web services in order to query the list of reports the logged-in user has access to.</p> <p>If the BIEE analytics URL is SSO protected, the services URL must not be protected or should be explicitly unprotected. This can be checked in the <code>ORACLE_HOME/Apache/Apache/conf/mod_osso.conf</code> file. See the "Interfacing with Reports Servers" section of the Implementation Guide for more details.</p>
Example	<code>http://myhost:7777/xmlpserver/services</code>
Notes	This screen depends on checking the "Enable BIP Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Field Title	BIP Reports URL Prefix
Field Description	Prefix (e.g. http://<servername>:<portnumber>/xmlpserver) used by ORW to compose the first portion of each report's URL. The composed URL is then provided as a link in the Reports work list of ORW's navigation panel.
Example	http://myhost:7777/xmlpserver
Notes	This screen depends on checking the "Enable BIP Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Field Title	BIP Login ID
Field Description	ID that needs to be defined under the BI Publisher administrator role. This is so it is capable of accessing the shared folders and any user folders on behalf of the logged-in user.
Example	admin
Notes	This screen depends on checking the "Enable BIP Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Field Title	BIP Password Alias
Field Description	The BIP login password's alias specified to identify the password in the Oracle Wallet that is created at install time. If this parameter is empty, it is assumed that the BIP Login ID has no password.
Example	bipPwdAlias
Notes	This screen depends on checking the "Enable BIP Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Field Title	BIP login password
Field Description	Password for the BI Publisher administrator role. If nothing is entered, empty password will be stored in Oracle Wallet.
Notes	This screen depends on checking the "Enable BIP Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Field Title	BIP Shared Reports Folder(s)
Field Description	Contains a folder or folders defined in the BI Publisher tool under the Shared Folders. This could contain multiple shared folders that are comma separated. Field is optional. If nothing is entered, no corresponding folder will show up in the Reports work list of the ORW navigation pane.
Example	Guest
Notes	This screen depends on checking the "Enable BIP Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Screen: BIEE settings

BIEE settings

Settings for the BIEE reporting tool. The BIEE login ID must be that of an administrator that has access to the BIEE webservices.

BIEE Webservices URL prefix
 Make sure this is not OSSO protected (see Implementation Guide for more detail)

BIEE Reports URL Prefix
 BIEE Login ID
 BIEE Password Alias
 BIEE login password
 BIEE Users Folder Name
 BIEE Shared Reports Folder(s)
 Multiple folder names can be entered separated by comma.

Cancel Back Next Install

Fields on this screen:

Field Title	BIEE Webservices URL prefix
Field Description	<p>This is the prefix for the BIP Web Services URL e.g. <code>http://<servername>:<portnumber>/xmlpserver/services</code>. This is used by Workspace to call the BI Publisher ServiceGateway web service in order to query the list of reports the logged-in user has access to.</p> <p>If the BIP server's URL is SSO protected, the services URL must not be protected or should be explicitly unprotected. This can be checked in the <code>ORACLE_HOME/Apache/Apache/conf/mod_osso.conf</code> file. See the "Interfacing with Reports Servers" section of the Implementation Guide for more details.</p>
Example	<code>http://myhost:7777/analytics/services</code>
Notes	This screen depends on checking the "Enable BIEE Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Field Title	BIEE Reports URL Prefix
Field Description	Prefix (e.g. http://<servername>:<portnumber>/analytics/saw.dll) used by ORW to compose the first (common) portion of each report's URL. The composed URL is then provided as a link in the Reports work list of ORW's navigation panel.
Example	http://myhost:7777/analytics/saw.dll
Notes	This screen depends on checking the "Enable BIEE Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

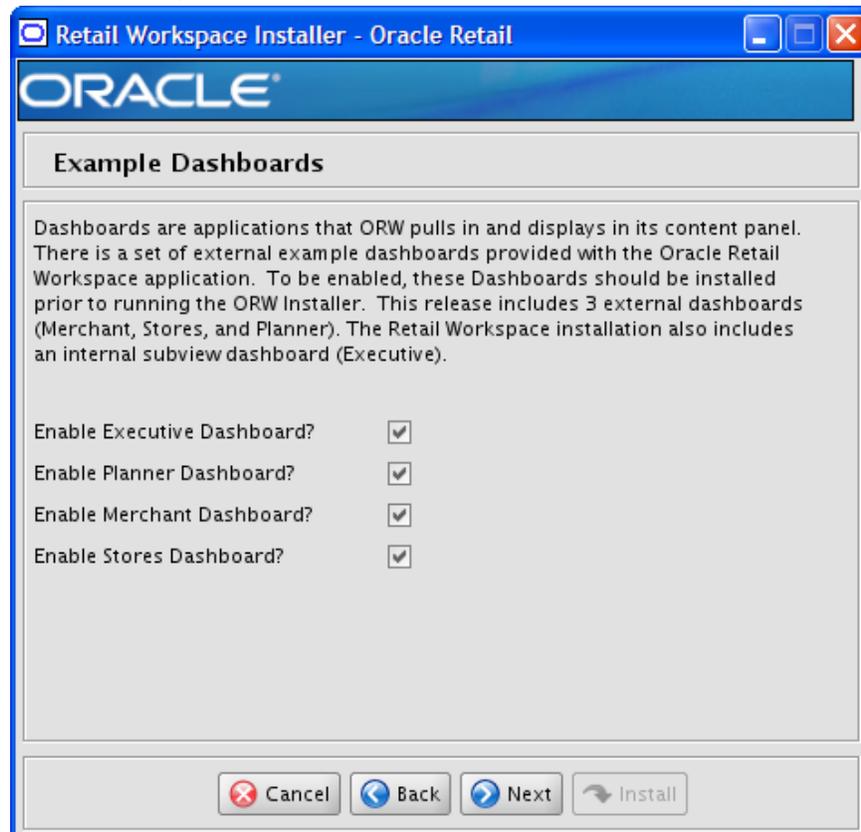
Field Title	BIEE Login ID
Field Description	ID defined as a BIEE administrator or impersonator. This is so it is capable of accessing the shared folders and any user folders on behalf of the logged-in user.
Example	administrator
Notes	This screen depends on checking the "Enable BIEE Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Field Title	BIEE Password Alias
Field Description	The BIEE login password's alias specified to identify the password in the Oracle Wallet that is created at install time. If this parameter is empty, it is assumed that the BIEE Login ID has no password.
Example	bieePwdAlias
Notes	This screen depends on checking the "Enable BIEE Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Field Title	BIEE login password
Field Description	Password for the BIEE administrator role. If nothing is entered, empty password will be stored in Oracle Wallet.
Notes	This screen depends on checking the "Enable BIEE Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Field Title	BIEE Users Folder Name
Field Description	Contains the folder name where the BIEE tool stores its users' folders. For example if this folder is called "Users" and the logged in user name is executive, this user's folders are found in /Users/executive. This field is optional. If nothing is entered, it is assumed that BIEE stores its users' folders directly under the user's folder e.g. /executive.
Example	users
Notes	This screen depends on checking the "Enable BIEE Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.
Field Title	BIEE Shared Reports Folder(s)
Field Description	Contains a folder or folders defined in the BIEE tool under the Shared folders. This could contain multiple shared folders that are comma separated. This field is optional. If nothing is entered, no corresponding folder will show up in the Reports work list of the ORW navigation pane.
Example	shared
Notes	This screen depends on checking the "Enable BIEE Reporting?" box in the previous Reports Integration screen and will not be displayed if it is unchecked.

Screen: Example Dashboards



Fields on this screen:

Field Title	Enable Executive Dashboard?
Field Description	Determines if the Executive Dashboard will be displayed in ORW.
Notes	

Field Title	Enable Planner Dashboard?
Field Description	Determines if the Planner Dashboard will be displayed in ORW.
Notes	

Field Title	Enable Merchant Dashboard?
--------------------	----------------------------

Field Description	Determines if the Merchant Dashboard will be displayed in ORW.
--------------------------	--

Notes	
--------------	--

Field Title	Enable Stores Dashboard?
--------------------	--------------------------

Field Description	Determines if the Stores Dashboard will be displayed in ORW.
--------------------------	--

Notes	
--------------	--

Screen: Executive Dashboard Settings

Parameter values can be changed after installation by manually modifying the retail-workspace-page-config.xml file.

Parameters:

Top Report URL	This%20Week%27s%20Sales%20Contribution
Top Report Alternate URL	This%20Week%27s%20Sales%20Contribution
Middle Report URL	's%20Sales%20Contribution%20Bar%20Chart
Middle Report Alternate URL	's%20Sales%20Contribution%20Bar%20Chart
Bottom Report URL	i27s%20Sales%20Markdown%20Contribution
Bottom Report Alternate URL	i27s%20Sales%20Markdown%20Contribution
Top RSS URL	tp://www.oracle.com/rss/rss_ocom_pr.xml
Middle RSS URL	ww.oracle.com/rss/rss_ocom_corpnews.xml
Bottom RSS URL	1/technology/syndication/rss_otn_soft.xml

Buttons: Cancel, Back, Next, Install

Fields on this screen:

Field Title	Top Report URL
Field Description	URL displayed by the Report portlet in the top row of the Executive Dashboard.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Contribution
Notes	This screen depends on checking the "Enable Executive Dashboard?" box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Top Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the top row of the Executive Dashboard that lets you open this URL in a new window.
Example	<code>http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Contribution</code>
Notes	This screen depends on checking the “Enable Executive Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Middle Report URL
Field Description	URL displayed by the Report portlet in the middle row of the Executive Dashboard.
Example	<code>http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Contribution%20Bar%20Chart</code>
Notes	This screen depends on checking the “Enable Executive Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Middle Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the middle row of the Executive Dashboard that lets you open this URL in a new window.
Example	<code>http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Contribution%20Bar%20Chart</code>
Notes	This screen depends on checking the “Enable Executive Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Bottom Report URL
Field Description	URL displayed by the Report portlet in the bottom row of the Executive Dashboard.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Markdown%20Contribution
Notes	This screen depends on checking the “Enable Executive Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Bottom Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the bottom row of the Executive Dashboard that lets you open this URL in a new window.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Markdown%20Contribution
Notes	This screen depends on checking the “Enable Executive Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Top RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the top row of the Executive Dashboard.
Example	http://www.oracle.com/rss/rss_ocom_pr.xml
Notes	This screen depends on checking the “Enable Executive Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Middle RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the middle row of the Executive Dashboard.
Example	http://www.oracle.com/rss/rss_ocom_corpnews.xml
Notes	This screen depends on checking the “Enable Executive Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Bottom RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the bottom row of the Executive Dashboard.
Example	http://www.oracle.com/technology/syndication/rss_otn_soft.xml
Notes	This screen depends on checking the “Enable Executive Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Screen: Planner Dashboard Settings

Fields on this screen:

Field Title	Planner Dashboard URL
Field Description	URL used to access Demo Planner Dashboard. This URL was displayed at the end of the Demo Dashboards installation.
Example	http://myhost:7777/PlannerDashboard/faces/DemoPlannerDashboard.jspx
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	First Row Report URL
Field Description	URL displayed by the Report portlet in the first row of the Planner Dashboard.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FYesterday%27s%20Flash%20Sales
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	First Row Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the first row of the Planner Dashboard that lets you open this URL in a new window.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FYesterday%27s%20Flash%20Sales
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	First Row Left RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the first row on the left side of the Planner Dashboard.
Example	http://www.oracle.com/rss/rss_ocom_pr.xml
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	First Row Right RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the first row on the right side of the Planner Dashboard.
Example	http://www.oracle.com/rss/rss_ocom_corpnews.xml
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Second Row Report URL
Field Description	URL displayed by the Report portlet in the second row of the Planner Dashboard.
Example	http://myhost:7777/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FsalesTrend%2F_portal%2FsalesTrend4
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Second Row Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the second row of the Planner Dashboard that lets you open this URL in a new window.
Example	http://myhost:7777/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FsalesTrend%2F_portal%2FsalesTrend4
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Second Row RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the second row of the Planner Dashboard.
Example	http://www.oracle.com/technology/syndication/rss_otn_soft.xml
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Third Row Report URL
Field Description	URL displayed by the Report portlet in the third row of the Planner Dashboard.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Third Row Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the third row of the Planner Dashboard that lets you open this URL in a new window.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Fourth Row Report URL
Field Description	URL displayed by the Report portlet in the fourth row of the Planner Dashboard.
Example	<code>http://myhost:7777/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FClassPerf%2F_portal%2FClassPerf_dashboard</code>
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Fourth Row Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the fourth row of the Planner Dashboard that lets you open this URL in a new window.
Example	<code>http://myhost:7777/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FClassPerf%2F_portal%2FClassPerf_dashboard</code>
Notes	This screen depends on checking the “Enable Planner Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Screen: Merchant Dashboard Settings

Merchant Dashboard Settings

Found in the installation logs.

Merchant Dashboard URL: board/faces/DemoMerchantDashboard.jspx

Parameters:

Top Report URL: i2FThis%20Week%27s%20Top%20Performers

Top Report Alternate URL: i2FThis%20Week%27s%20Top%20Performers

Middle Report URL: Fopo.xdo&_xt=OPO&_xf=html&_xmode=4

Middle Report Alternate URL: Fopo.xdo&_xt=OPO&_xf=html&_xmode=4

Bottom Report URL: \reports%2FYesterday%27s%20Flash%20Sales

Bottom Report Alternate URL: \reports%2FYesterday%27s%20Flash%20Sales

Top RSS URL: tp://www.oracle.com/rss/rss_ocom_pr.xml

Middle RSS URL: ww.oracle.com/rss/rss_ocom_corpnews.xml

Bottom RSS URL: 1/technology/syndication/rss_otn_soft.xml

Buttons: Cancel, Back, Next, Install

Fields on this screen:

Field Title	Merchant Dashboard URL
Field Description	URL used to access Demo Merchant Dashboard. This URL was displayed at the end of the Demo Dashboards installation.
Example	http://myhost:7777/MerchantDashboard/faces/DemoMerchantDashboard.jspx
Notes	This screen depends on checking the "Enable Merchant Dashboard?" box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Top Report URL
Field Description	URL displayed by the Report portlet in the top row of the Merchant Dashboard.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers
Notes	This screen depends on checking the "Enable Merchant Dashboard?" box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Top Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the top row of the Merchant Dashboard that lets you open this URL in a new window.
Example	<code>http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers</code>
Notes	This screen depends on checking the “Enable Merchant Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Middle Report URL
Field Description	URL displayed by the Report portlet in the middle row of the Merchant Dashboard.
Example	<code>http://myhost:7777/xmlpserver/Guest/RMS/12.1int/Orders/opo/opo.xdo?_xpf=&_xpt=0&_xdo=%2FGuest%2FRMS%2F12.1int%2FOrders%2Fopo%2Fopo.xdo&_xt=OPO&_xf=html&_xmode=4</code>
Notes	This screen depends on checking the “Enable Merchant Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Middle Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the middle row of the Merchant Dashboard that lets you open this URL in a new window.
Example	<code>http://myhost:7777/xmlpserver/Guest/RMS/12.1int/Orders/opo/opo.xdo?_xpf=&_xpt=0&_xdo=%2FGuest%2FRMS%2F12.1int%2FOrders%2Fopo%2Fopo.xdo&_xt=OPO&_xf=html&_xmode=4</code>
Notes	This screen depends on checking the “Enable Merchant Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Bottom Report URL
Field Description	URL displayed by the Report portlet in the bottom row of the Merchant Dashboard.
Example	<code>http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FYesterday%27s%20Flash%20Sales</code>
Notes	This screen depends on checking the “Enable Merchant Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Bottom Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the bottom row of the Merchant Dashboard that lets you open this URL in a new window.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FYesterday%27s%20Flash%20Sales
Notes	This screen depends on checking the “Enable Merchant Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Top RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the top row of the Merchant Dashboard.
Example	http://www.oracle.com/rss/rss_ocom_pr.xml
Notes	This screen depends on checking the “Enable Merchant Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Middle RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the middle row of the Merchant Dashboard.
Example	http://www.oracle.com/rss/rss_ocom_corpnews.xml
Notes	This screen depends on checking the “Enable Merchant Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Bottom RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the bottom row of the Merchant Dashboard.
Example	http://www.oracle.com/technology/syndication/rss_otn_soft.xml
Notes	This screen depends on checking the “Enable Merchant Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Screen: Stores Dashboard Settings

Fields on this screen:

Field Title	Stores Dashboard URL
Field Description	URL used to access Demo Stores Dashboard. This URL was displayed at the end of the Demo Dashboards installation.
Example	http://myhost:7777/StoresDashboard/faces/DemoStoresDashboard.jspx
Notes	This screen depends on checking the "Enable Stores Dashboard?" box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Top Report URL
Field Description	URL displayed by the Report portlet in the top row of the Stores Dashboard.
Example	<code>http://myhost:7777/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FRDW%20Packaged%20Reports%2F_portal%2FYesterday%27s%20Sales%20Scorecard</code>
Notes	This screen depends on checking the “Enable Stores Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Top Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the top row of the Stores Dashboard that lets you open this URL in a new window.
Example	<code>http://myhost:7777/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FRDW%20Packaged%20Reports%2F_portal%2FYesterday%27s%20Sales%20Scorecard</code>
Notes	This screen depends on checking the “Enable Stores Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Middle Report URL
Field Description	URL displayed by the Report portlet in the middle row of the Stores Dashboard.
Example	<code>http://myhost:7777/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FRDW%20Packaged%20Reports%2F_portal%2FThis%20Week%27s%20Sales%20Scorecard</code>
Notes	This screen depends on checking the “Enable Stores Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Middle Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the middle row of the Stores Dashboard that lets you open this URL in a new window.
Example	http://myhost:7777/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FRDW%20Packaged%20Reports%2F_portal%2FThis%20Week%27s%20Sales%20Scorecard
Notes	This screen depends on checking the “Enable Stores Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Bottom Report URL
Field Description	URL displayed by the Report portlet in the bottom row of the Stores Dashboard.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers
Notes	This screen depends on checking the “Enable Stores Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Bottom Report Alternate URL
Field Description	Optional. If an alternate URL is entered, a link is added to the Report portlet in the bottom row of the Stores Dashboard that lets you open this URL in a new window.
Example	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers
Notes	This screen depends on checking the “Enable Stores Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.
Field Title	Top RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the top row of the Stores Dashboard.
Example	http://www.oracle.com/rss/rss_ocom_pr.xml
Notes	This screen depends on checking the “Enable Stores Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Field Title	Bottom RSS URL
Field Description	URL to an RSS feed displayed by the RSS portlet in the bottom row of the Stores Dashboard.
Example	http://www.oracle.com/rss/rss_ocom_corpnews.xml
Notes	This screen depends on checking the “Enable Stores Dashboard?” box in the previous Example Dashboards screen and will not be displayed if it is unchecked.

Screen: Oracle Retail Products



Fields on this screen:

Field Title	Oracle Retail Product Checkbox
Field Description	One checkbox for each Oracle retail application or resource that ORW can launch. Check the corresponding box of the application to have access to it from ORW.
Notes	

Screen: Oracle Retail Product Connection Details

ARI Connection Details

ARI (Active Retail Intelligence) is an exception management and resolution system driven by business rules that you define.

The launch URL is the base URL for the forms servlet used to access the retail application (Example: `http://myhost:7777/forms/frmservlet` where 7777 is the HTTP port of the Forms application server).

ARI launch URL

The config parameter corresponds to a formsweb.cfg entry for the application. This parameter is part of the query string used to launch the ARI application. For example, a config value of "myapp" with a base URL of `http://myhost:7777/forms/frmservlet` results in a launch URL of `http://myhost:7777/forms/frmservlet?config=myapp`

Config parameter

Cancel Back Next Install

Fields on this screen:

Field Title	Launch URL
Field Description	URL used to access the particular Oracle retail product or resource. The ORW application connects using this URL and gives access to the product or resource.
Example	<code>http://myhost:7777/contextroot</code>
Notes	
Field Title	Config parameter
Field Description	Config parameter that corresponds to a formsweb.cfg entry for the application which defines a URL. This parameter is sent in the request to the launch URL.
Example	config value myapp results in this request: <code>[launch-url]?config=myapp</code> .
Notes	The config parameter text field may not be available depending on which Oracle Retail Product screen you are on.

Field Title	Template parameter
Field Description	Template parameter that corresponds to a JNLP template file included with the application. This parameter is sent in the request to the launch URL.
Example	template value mytemplate results in this request: [launch-url]?template=mytemplate.
Notes	The template parameter text field may not be available depending on which Oracle Retail Product screen you are on.

Field Title	Domain parameter
Field Description	
Example	domain value mydomain results in this request: [launch-url]?domain=mydomain.
Notes	The domain parameter text field may not be available depending on which Oracle Retail Product screen you are on.

Appendix: Installer Silent Mode

Repeating an Installation Attempt

In addition to the GUI and text interfaces of the Oracle Retail Workspace installers, there is a silent mode that can be run. This mode is useful if you wish to run a repeat installation attempt without going through the installer screens again.

The installer runs in two distinct phases. The first phase involves gathering settings from the user. At the end of the first phase, a properties file named `ant.install.properties` is created with the settings that were provided. Then the second phase begins, where this properties file is used to provide your settings for the installation.

To skip the first phase and re-use the `ant.install.properties` file from a previous run, follow these instructions:

1. Edit the `ant.install.properties` file and correct any invalid settings that may have caused the installer to fail in its previous run.
2. Re-enter any passwords. Properties in this file that are for passwords are cleared out by the installer.
3. Run the installer again with the **silent** argument.

Example: `install.sh silent`

Appendix: Common Installation Errors

This section provides some common errors encountered during installation of Retail Workspace.

Unreadable Buttons in the Installer

If you are unable to read the text within the installer buttons, it could mean that your `JAVA_HOME` is pointed to an older version of the JDK than is supported by the installer. Set `JAVA_HOME` to `$ORACLE_HOME/jdk` from the Oracle Application Server 10.1.3 installation and run the installer again.

“Unable to get a deployment manager” Message

Symptom:

The application installer quits with the following error message:

```
[oracle:deploy] Unable to get a deployment manager.
[oracle:deploy]
[oracle:deploy] This is typically the result of an invalid deployer URI
format being supplied, the target server not being in a started state or
incorrect authentication details being supplied.
[oracle:deploy]
[oracle:deploy] More information is available by enabling logging --
please see the Oracle Containers for J2EE Configuration and
Administration Guide for details.
```

Solution:

This error can be caused by any of the following conditions:

- OC4J instance provided is not running.
- Incorrect OC4J instance name provided
- Incorrect OC4J administrative username and/or password
- Incorrect OPMN request port provided.

Make sure that the OC4J instance is running, and then check the **ant.install.properties** file for entry mistakes. Pay close attention to the `input.deployer.uri` (see Appendix D: *URL Reference*), `input.oc4j.instance`, `input.admin.user`, and `input.admin.password` properties. If you need to make a correction, you can run the installer again with this file as input by running silent mode (see Appendix B of this document).

“Could not create system preferences directory” Warning

Symptom:

The following text appears in the installer Errors tab:

```
May 22, 2006 11:16:39 AM java.util.prefs.FileSystemPreferences$3 run
WARNING: Could not create system preferences directory. System preferences are
unusable.
May 22, 2006 11:17:09 AM java.util.prefs.FileSystemPreferences
checkLockFile0ErrorCode
WARNING: Could not lock System prefs. Unix error code -264946424.
```

Solution:

This is related to Java bug 4838770. The `/etc/.java/.systemPrefs` directory may not have been created on your system. See <http://bugs.sun.com> for details.

This is an issue with your installation of Java and does not affect the Oracle Retail product installation.

ConcurrentModificationException in Installer GUI

Symptom:

In GUI mode, the errors tab shows the following error:

```
java.util.ConcurrentModificationException
    at
java.util.AbstractList$Itr.checkForComodification(AbstractList.java:448)
    at java.util.AbstractList$Itr.next(AbstractList.java:419)
... etc
```

Solution:

You can ignore this error. It is related to third-party Java Swing code for rendering of the installer GUI and does not affect the Oracle Retail product installation.

“Couldn't find X Input Context” Warnings

Symptom:

The following text appears in the console window during execution of the installer in GUI mode:

```
Couldn't find X Input Context
```

Solution:

This message is harmless and can be ignored.

Error while unpacking EAR file

Symptom:

The following text (using sim12.ear for an example) appears in the console window during execution of the installer:

```
07/12/19 10:53:17 Notification ==>Error while unpacking sim12.ear
java.util.zip.ZipException: error in opening zip file
```

Solution:

This is a known bug (BugID 6330834) related to Solaris and NFS in Oracle Application Server 10.1.3.3. Follow the workaround documented for this bug: in the opmn.xml file in \$ORACLE_HOME/opmn/conf: add the following parameter to the java-options for the instance you are installing.

```
-Doc4j.autoUnpackLockCount=-1
```

After making this change you should reload OPMN, restart the affected OC4J instance(s), and retry the retail application installation.

Installer Errors Tab Section Full of Informational Messages

Symptom:

In GUI mode, the errors tab shows a large amount of warning messages regarding EAR file predeployment.

```
INFO: Current Proxy URL      :
Dec 20, 2007 4:14:43 PM DeploymentProfile validate
INFO: Current Proxy Port    : 0
Dec 20, 2007 4:14:43 PM DeploymentProfile validatePortletProducer
```

Solution:

You can ignore these warnings. There is warning text sent to stderr by certain ANT tasks used by the installer.

Installer Appears to Hang after EAR deployment

Symptom:

An installer that is a part of the Oracle Retail Workspace solution appears to hang for a period of several minutes.

Solution:

You should allow the installer to finish. The installer uses ANT tasks included with Oracle WebCenter which appears to cause output from subsequent ANT tasks to go to the log file but not the console. You will see the shell prompt appear when the installer is finished and you should be able to see the missing output in the installer log file.

Appendix: URL Reference

The application installers for the ORW product asks for several different URLs. These include the following.

Deployer URI

Deployer URI is used by the Oracle ANT tasks to deploy an application to an OC4J group. The application installer does not ask the user for this value; it is constructed based on other inputs and written to the `ant.install.properties` file for input to the installation script. For repeat installations using silent mode, you may need to correct mistakes in the deployer URI in `ant.install.properties`.

Note: There are several different formats for the deployer URI depending on your cluster topology. Consult the Deploying with the OC4J Ant Tasks chapter of the OC4J Deployment Guide for further details.

Syntax (managed OC4J): `deployer:cluster:opmn://<host>:<port>/<group>`

- `<host>`: hostname of the OracleAS environment
- `<port>`: OPMN request port of the OracleAS environment. This can be found in the `<ORACLE_HOME>/opmn/conf/opmn.xml` file.
- `<group>`: Name of the OC4J group where the application is deployed.

Example:
`deployer:cluster:opmn://myhost:6003/portlets_group`

Syntax (standalone OC4J): `deployer:oc4j:<host>:<port>`

- `<host>`: hostname of the OracleAS environment
- `<port>`: RMI port of the OC4J server. This can be found in the `ORACLE_HOME/j2ee/home/config/rmi.xml` file.

Example: `deployer:oc4j:myhost:23791`

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)
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 Integration Bus (RIB)
13. Oracle Retail Point-of-Service (ORPOS)
14. Oracle Retail Analytics Applications
15. Oracle Retail Advanced Inventory Planning (AIP)
16. Oracle Retail Predictive Application Server (RPAS)
17. Oracle Retail Data Warehouse (RDW)
18. Oracle Retail Workspace (ORW)