

**Oracle® Retail Workspace**  
Installation Guide  
Release 13.0.1 Patch

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# Contents

<b>Preface .....</b>	<b>vii</b>
Audience .....	vii
Related Documents.....	vii
Customer Support.....	vii
Review Patch Documentation.....	vii
Oracle Retail Documentation on the Oracle Technology Network.....	vii
Conventions.....	vii
<b>1 Preinstallation Tasks.....</b>	<b>1</b>
Check Application Server Requirements.....	1
Supported Oracle Retail Products .....	1
Check Client PC and Web Browser Requirements.....	2
<b>2 Oracle Retail Workspace Overview.....</b>	<b>3</b>
LDAP Data.....	3
Portlets.....	3
Example Dashboards.....	3
Oracle Retail Workspace Application .....	3
<b>3 LDAP Data .....</b>	<b>5</b>
Required Oracle Internet Directory (OID) Information.....	5
LDAP Data Utility.....	5
Expand and Execute the ORW LDAP Data Utility .....	8
Workspace Administrator Users.....	9
<b>4 Retail Portlets Installation.....</b>	<b>11</b>
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
<b>5 Example Dashboards Installation .....</b>	<b>17</b>
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

---

<b>6</b>	<b>Workspace Application Installation .....</b>	<b>23</b>
	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
<b>A</b>	<b>Appendix: Portlets Application Installer Screens .....</b>	<b>29</b>
<b>B</b>	<b>Appendix: Dashboards Installer Screens .....</b>	<b>37</b>
<b>C</b>	<b>Appendix: Workspace Installer Screens .....</b>	<b>51</b>
<b>D</b>	<b>Appendix: Installer Silent Mode .....</b>	<b>89</b>
	Repeating an Installation Attempt.....	89
<b>E</b>	<b>Appendix: Common Installation Errors.....</b>	<b>91</b>
	Unreadable Buttons in the Installer.....	91
	“Unable to get a deployment manager” Message.....	91
	“Could not create system preferences directory” Warning .....	92
	ConcurrentModificationException in Installer GUI.....	92
	“Couldn't find X Input Context” Warnings .....	92
	Error while unpacking EAR file.....	93
	Installer Errors Tab Section Full of Informational Messages .....	93
	Installer Appears to Hang after EAR deployment .....	93
<b>F</b>	<b>Appendix: URL Reference .....</b>	<b>95</b>
	Deployer URI.....	95
<b>G</b>	<b>Appendix: Installation Order .....</b>	<b>97</b>

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# 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 13.0.1 documentation set:

- Oracle Retail Workspace Implementation Guide
- Oracle Retail Workspace Release Notes

## 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](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."

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**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.](#)

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## 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	Solaris 10 (SPARC) HP-UX 11.23 (Integrity) AIX 5.3 Oracle Enterprise Linux 4 Update 5 for x86-64. <ul style="list-style-type: none"> <li>▪ Minimum kernel version 2.6.9-55.0.0.0.2.ELsmp.</li> </ul> Oracle WebCenter Suite 10g 10.1.3.3 for Linux x86 Patches: <ul style="list-style-type: none"> <li>▪ 5632264 (NEED UPDATED TIMEZONE FILES (VERSION 4) FOR MORE DST RULE CHANGES)</li> <li>▪ 5398506 (RUNTIME EXCEPTION DID NOT ROLLBACK MESSAGE ON EGATE (SEEBEYOND) TOPIC)</li> </ul> Oracle WebCenter Suite 10g 10.1.3.3 for AIX 5.3 Patches: <ul style="list-style-type: none"> <li>▪ 5946958 (JAVA CACHE: PATCH JOC DISTRIBUTED MODE FAILURE WHEN REGISTERING GROUP MEMBERS)</li> </ul>
Application Server	Oracle Application Server Infrastructure Services 10.1.2.2 Patches: <ul style="list-style-type: none"> <li>▪ 5861907 (IAS 10.1.2.2 PATCHSET UPDATES ORACLEHOMEPROPERTIES.XML WITH WRONG ARU_ID &amp; ARU_I)</li> <li>▪ 5632264 (NEED UPDATED TIMEZONE FILES (VERSION 4) FOR MORE DST RULE CHANGES)</li> </ul>

### Supported Oracle Retail Products

Product	Version
Oracle Retail Merchandising System (RMS)	13.0.1
Oracle Retail Store Inventory Management (SIM)	13.0.1
Oracle Retail Invoice Matching (ReIM)	13.0.1
Oracle Retail Allocation	13.0.1

<b>Product</b>	<b>Version</b>
Oracle Retail Active Retail Intelligence (ARI)	13.0.1
Oracle Retail Price Management (RPM)	13.0.1
Oracle Retail Data Warehouse (RDW)	13.0.1
Oracle Retail Markdown Optimization	13.0
Oracle Retail Promote	13.0.1
Oracle Retail Predictive Application Server (RPAS)	13.0.1

## Check Client PC and Web Browser Requirements

<b>Requirement</b>	<b>Version</b>
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

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# 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 two 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.



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## 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.



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## 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.

---

**Note:** Java 1.5 (SR7) is required if you are using AIX 5.3.

---

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`.

---



---

**Note:** Java 1.5 (SR7) is required if you are using AIX 5.3.

---



---

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 an 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`.

---

**Note:** Java 1.5 (SR7) is required if you are using AIX 5.3.

---

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/conf  
ig/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

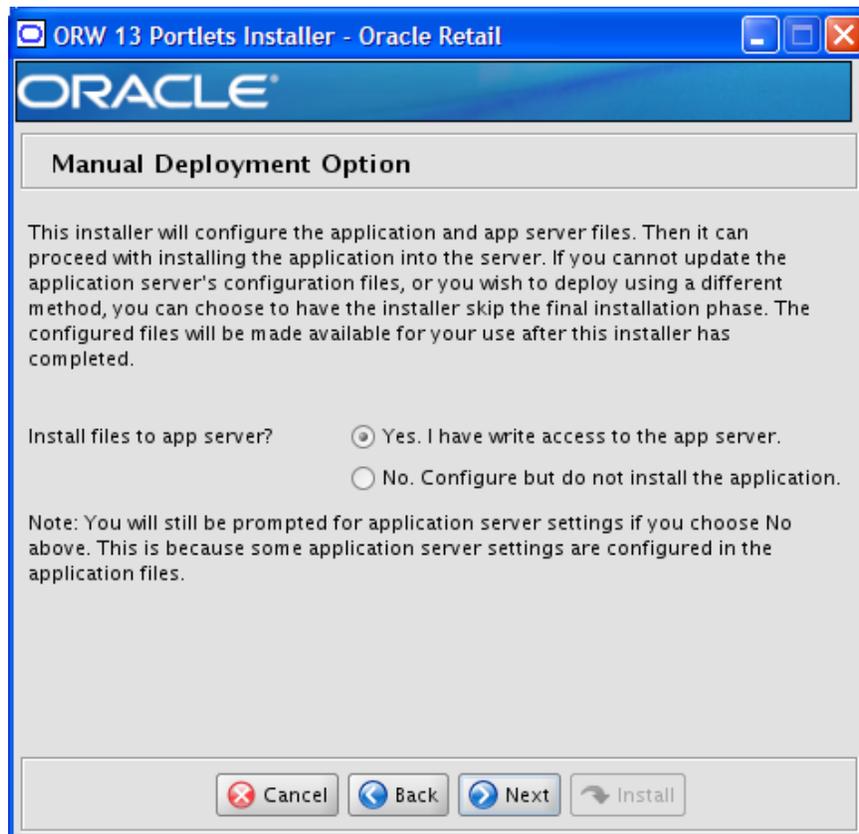
**Fields on this screen:**

<b>Field Title</b>	Hostname
<b>Field Description</b>	Application server host
<b>Destination</b>	
<b>Example</b>	myhost
<b>Notes</b>	

<b>Field Title</b>	OPMN request port
<b>Field Description</b>	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>&lt;port local="6100" remote="6200" request="6003"/&gt;</pre> The installer attempts to present a default value that matches your environment.
<b>Destination</b>	
<b>Example</b>	6003
<b>Notes</b>	

---

### Screen: Manual Deployment Option



#### Fields on this screen:

Field Title	Install files to app server?
<b>Field Description</b>	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.
<b>Destination</b>	

## Screen: OC4J Instance and Group

ORACLE

**OC4J Instance and Group**

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

Portlets OC4J instance

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

Portlets OC4J group

Cancel Back Next Install

## Fields on this screen:

<b>Field Title</b>	Portlets OC4J instance
<b>Field Description</b>	Name of the OC4J instance that was created for the portlets application.
<b>Example</b>	portlets_oc4j
<b>Field Title</b>	Portlets OC4J group
<b>Field Description</b>	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.
<b>Example</b>	portlets_group

**Screen: Application Deployment Details**

**Application Deployment Details**

The default values shown below are examples

Enter the deployment name for this application. This is the name by which the application will be identified in the application server. **IMPORTANT:** The OC4J app name for these portlets must be unique across the Oracle Application Server environment.

Portlets app deployment name

Enter the web context root for this application. The web URL used by portlet consumers to access these portlets will be http://server:port/contextroot

Portlets context root

**Fields on this screen:**

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

**Screen: OC4J Administrative User**
**Fields on this screen:**

<b>Field Title</b>	OC4J admin user
<b>Field Description</b>	Username of the admin user for OC4J instance to which the Portlets application is being deployed.
<b>Example</b>	oc4jadmin
<b>Field Title</b>	OC4J admin password
<b>Field Description</b>	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).



## 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.

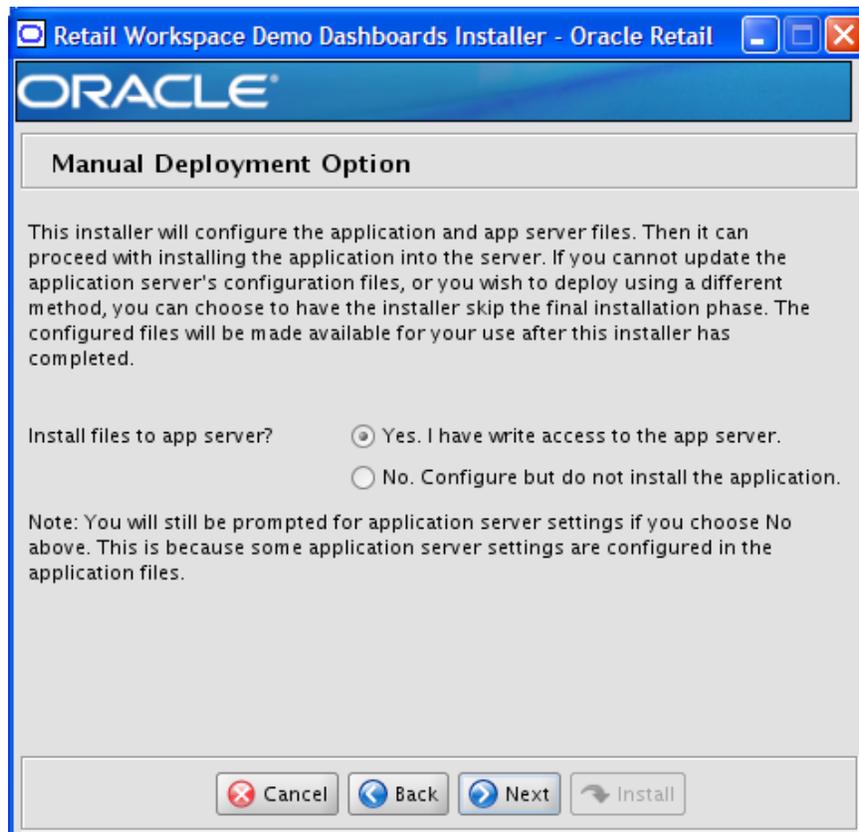
### Screen: Application Server Details – Oracle WebCenter

#### Fields on this screen:

<b>Field Title</b>	Hostname
<b>Field Description</b>	Application server host
<b>Destination</b>	
<b>Example</b>	myhost

<b>Field Title</b>	OPMN request port
<b>Field Description</b>	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>&lt;port local="6100" remote="6200" request="6003"/&gt;</pre> <p>The installer attempts to present a default value that matches your environment.</p>
<b>Destination</b>	
<b>Example</b>	6003

---

**Screen: Manual Deployment Option****Fields on this screen:**

Field Title	Install files to app server?
<b>Field Description</b>	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.
<b>Destination</b>	

### Screen: Application Names

**Application Names**

The application name is how a deployed application is identified in the application server. Enter application names below.

Merchant Dashboard	DemoMerchantDashboardApp
Stores Dashboard	DemoStoresDashboardApp
Planner Dashboard	DemoPlannerDashboardApp

Buttons: Cancel, Back, Next, Install

#### Fields on this screen:

<b>Field Title</b>	Merchant Dashboard
<b>Field Description</b>	Name by which the Merchant Dashboard application is identified in the application server
<b>Example</b>	DemoMerchantDashboardApp
<b>Field Title</b>	Stores Dashboard
<b>Field Description</b>	Name by which the Stores Dashboard application is identified in the application server
<b>Example</b>	DemoStoresDashboardApp

<b>Field Title</b>	Planner Dashboard
<b>Field Description</b>	Name by which the Planner Dashboard application is identified in the application server
<b>Example</b>	DemoPlannerDashboardApp

## Screen: OC4J Instance and Group

**ORACLE**

**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:

<b>Field Title</b>	Dashboards OC4J instance
<b>Field Description</b>	Name of the OC4J instance that was created for the dashboard applications.
<b>Example</b>	dashboards_oc4j
<b>Field Title</b>	Dashboards OC4J group
<b>Field Description</b>	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.
<b>Example</b>	dashboards_group

**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:**

<b>Field Title</b>	Merchant Dashboard
<b>Field Description</b>	Path relative to the HTTP server URL where the Merchant Dashboard is accessed.
<b>Example</b>	MerchantDashboard
<b>Field Title</b>	Stores Dashboard
<b>Field Description</b>	Path relative to the HTTP server URL where the Stores Dashboard is accessed.
<b>Example</b>	StoresDashboard

<b>Field Title</b>	Planner Dashboard
<b>Field Description</b>	Path relative to the HTTP server URL where the Planner Dashboard is accessed.
<b>Example</b>	PlannerDashboard

---

**Screen: OC4J Administrative User**
**Fields on this screen:**

<b>Field Title</b>	OC4J admin user
<b>Field Description</b>	Username of the admin user for OC4J instance to which the dashboard applications are being deployed.
<b>Example</b>	oc4jadmin
<b>Field Title</b>	OC4J admin password
<b>Field Description</b>	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).

## 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:

<b>Field Title</b>	Merchant Dashboard MDS Dir
<b>Field Description</b>	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.
<b>Example</b>	/path/to/ORACLE_HOME/j2ee/dashboards_oc4j/dashboards-mds-merchant
<b>Field Title</b>	Stores Dashboard MDS Dir
<b>Field Description</b>	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.
<b>Example</b>	/path/to/ORACLE_HOME/j2ee/dashboards_oc4j/dashboards-mds-stores

<b>Field Title</b>	Planner Dashboard MDS Dir
<b>Field Description</b>	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.
<b>Example</b>	<code>/path/to/ORACLE_HOME/j2ee/dashboards_oc4j/dashboards-mds-planner</code>

**Screen: Portlets**
**Fields on this screen:**

<b>Field Title</b>	Portlets Web Services URL
<b>Field Description</b>	<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://&lt;portletshost&gt;:&lt;httpport&gt;/&lt;contextroot&gt;/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>
<b>Example</b>	<code>http://myportletshost:7777/RetailPortlets/portlets/wsrp2?WSDL</code>
<b>Field Title</b>	Use proxy?
<b>Field Description</b>	Check box true/false field to indicate whether or not an HTTP proxy server must be used to access the portlets in your environment.

**Screen: Portlets Proxy Settings**
**Fields on this screen:**

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

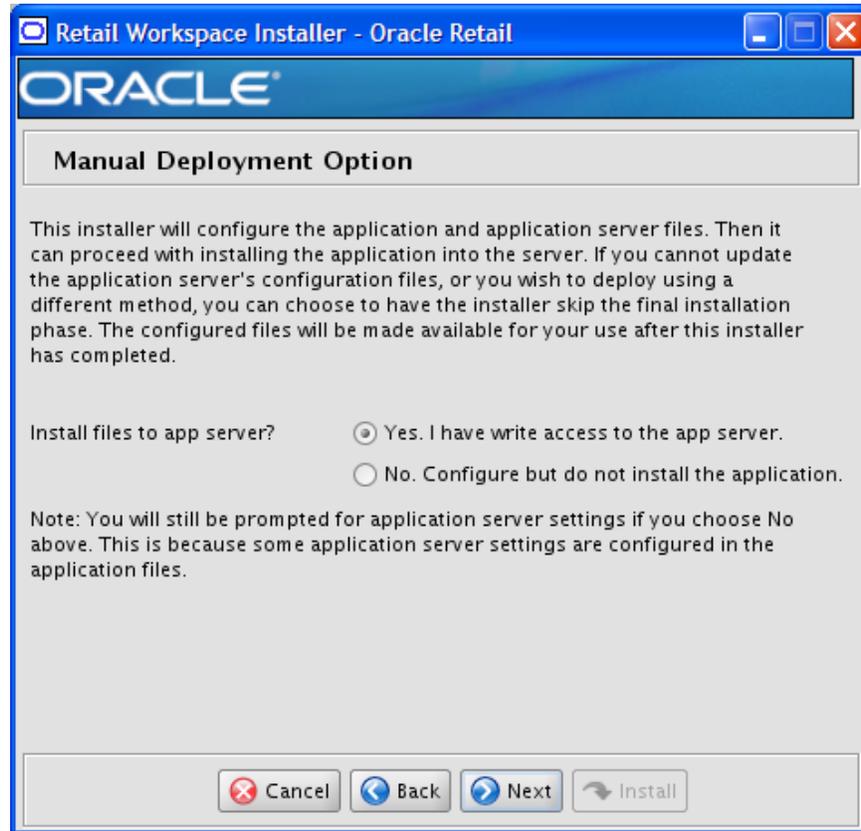
### Screen: Application Server Details – Oracle WebCenter

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

#### Fields on this screen:

<b>Field Title</b>	Hostname
<b>Field Description</b>	Application server host
<b>Destination</b>	
<b>Example</b>	myhost

<b>Field Title</b>	HTTP Port
<b>Field Description</b>	<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>&lt;web-site ... port="8888" ... &gt;</pre> <p>The installer attempts to present a default value that matches your environment.</p>
<b>Destination</b>	
<b>Example</b>	8888
<b>Field Title</b>	OPMN request port
<b>Field Description</b>	<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>&lt;port local="6100" remote="6200" request="6003"/&gt;</pre> <p>The installer attempts to present a default value that matches your environment.</p>
<b>Destination</b>	
<b>Example</b>	6003

**Screen: Manual Deployment Option****Fields on this screen:**

Field Title	Install files to app server?
<b>Field Description</b>	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.
<b>Destination</b>	

### Screen: Application Deployment Details

**Fields on this screen:**

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

## Screen: OC4J Instance and Group

**ORACLE**

**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:

<b>Field Title</b>	ORW OC4J instance
<b>Field Description</b>	Name of the OC4J instance that was created for the ORW applications.
<b>Example</b>	orw_oc4j
<b>Field Title</b>	ORW OC4J group
<b>Field Description</b>	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.
<b>Example</b>	orw_group

**Screen: OC4J Administrative User**

**OC4J Administrative User**

Enter the administrative user and password for the OC4J instance to which the application will be deployed. Password field must be filled out to move on to the next screen.

OC4J admin user

OC4J admin password

Cancel Back Next Install

**Fields on this screen:**

<b>Field Title</b>	OC4J admin user
<b>Field Description</b>	Username of the admin user for OC4J instance to which the ORW application is being deployed.
<b>Example</b>	oc4jadmin
<b>Field Title</b>	OC4J admin password
<b>Field Description</b>	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).

**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:**

<b>Field Title</b>	Oracle Wallet file password
<b>Field Description</b>	<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>
<b>Field Title</b>	Please re-enter password
<b>Field Description</b>	Confirm the new Oracle Wallet password by re-entering it in this field.

**Screen: Portlets**

**Portlets**

The Executive Dashboard in the Retail Workspace application consumes data from certain portlets provided in the Retail Workspace release. You must provide the web services HTTP URL to a deployed instance of Retail Workspace Portlets to complete the ORW installation.

This URL was listed at the end of the Portlets installation and can be found in the installation logs.

Portlets Web Services URL

You can configure the dashboards to use an HTTP proxy server to access portlets if your network requires it.

Use proxy server for Portlets?

Cancel Back Next Install

**Fields on this screen:**

<b>Field Title</b>	Portlets Web Services URL
<b>Field Description</b>	<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://&lt;portletshost&gt;:&lt;httpport&gt;/&lt;contextroot&gt;/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>
<b>Example</b>	<code>http://myportletshost:7777/RetailPortlets/portlets/wsrp2?WSDL</code>
<b>Field Title</b>	Using proxy server for Portlets?
<b>Field Description</b>	Check box true/false field to indicate whether or not an HTTP proxy server must be used to access the portlets in your environment.

**Screen: Portlets Proxy Settings**
**Fields on this screen:**

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

<b>Field Title</b>	ORW MDS Directory
<b>Field Description</b>	<p>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.</p> <p>Note: MDS directories should not be shared between applications. The ORW MDS directory and the Example Dashboard MDS directories must each be unique.</p>
<b>Example</b>	/path/to/ORACLE_HOME/j2ee/orw_oc4j/workspace-mds

## 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?

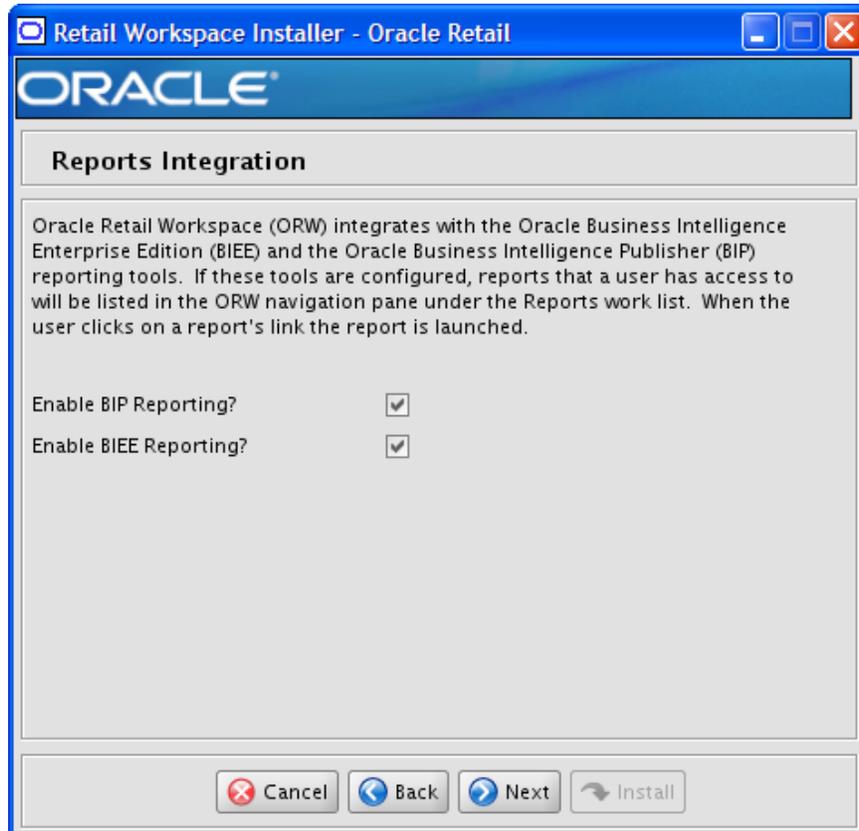
Buttons: Cancel, Back, Next, Install

## Fields on this screen:

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

<b>Field Title</b>	LDAP login password
<b>Field Description</b>	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.
<b>Field Title</b>	LDAP realm name
<b>Field Description</b>	Realm nickname
<b>Example</b>	us
<b>Field Title</b>	LDAP realm DN
<b>Field Description</b>	Distinguished name of Realm
<b>Example</b>	dc=us,dc=oracle,dc=com
<b>Field Title</b>	LDAP realm policy DN
<b>Field Description</b>	Distinguished name where the Realm policy information is found.
<b>Example</b>	cn=Policy,cn=JAZNContext,cn=products,cn=OracleContext,dc=us,dc=oracle,dc=com
<b>Field Title</b>	Use SSL in LDAP connection?
<b>Field Description</b>	Determines if the ORW application communicates with the OID LDAP via an SSL connection

## Screen: Reports Integration



## Fields on this screen:

<b>Field Title</b>	Enable BIP Reporting?
<b>Field Description</b>	Determines if the BIP reporting tool will be used in ORW.
<b>Field Title</b>	Enable BIEE Reporting?
<b>Field Description</b>	Determines if the BIEE reporting tool will be used in ORW.

**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 webservice.

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
<b>Field Description</b>	<p>This is the prefix for the BIEE Web Services URL e.g. <code>http://&lt;servername&gt;:&lt;portnumber&gt;/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>
<b>Example</b>	<code>http://myhost:7777/xmlpserver/services</code>
<b>Notes</b>	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.

<b>Field Title</b>	BIP Reports URL Prefix
<b>Field Description</b>	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.
<b>Example</b>	http://myhost:7777/xmlpserver
<b>Notes</b>	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.
<b>Field Title</b>	BIP Login ID
<b>Field Description</b>	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.
<b>Example</b>	admin
<b>Notes</b>	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.
<b>Field Title</b>	BIP Password Alias
<b>Field Description</b>	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.
<b>Example</b>	bipPwdAlias
<b>Notes</b>	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.
<b>Field Title</b>	BIP login password
<b>Field Description</b>	Password for the BI Publisher administrator role. If nothing is entered, empty password will be stored in Oracle Wallet.
<b>Notes</b>	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.

<b>Field Title</b>	BIP Shared Reports Folder(s)
<b>Field Description</b>	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.
<b>Example</b>	Guest
<b>Notes</b>	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 webservice.

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.

## Fields on this screen:

Field Title	BIEE Webservices URL prefix
<b>Field Description</b>	This is the prefix for the BIEE Web Services URL e.g. http://<servername>:<portnumber>/analytics/services. This is used by Workspace to call the BIEE ServiceGateway web service in order to query the list of reports the logged-in user has access to.  If the BIEE server's URL is SSO protected, the services URL must not be protected or should be explicitly unprotected. This can be checked in the ORACLE_HOME/ Apache/ Apache/conf/mod_osso.conf file. See the "Interfacing with Reports Servers" section of the Implementation Guide for more details.
<b>Example</b>	http://myhost:7777/analytics/services
<b>Notes</b>	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.

<b>Field Title</b>	BIEE Reports URL Prefix
<b>Field Description</b>	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.
<b>Example</b>	http://myhost:7777/analytics/saw.dll
<b>Notes</b>	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.

<b>Field Title</b>	BIEE Login ID
<b>Field Description</b>	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.
<b>Example</b>	administrator
<b>Notes</b>	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.

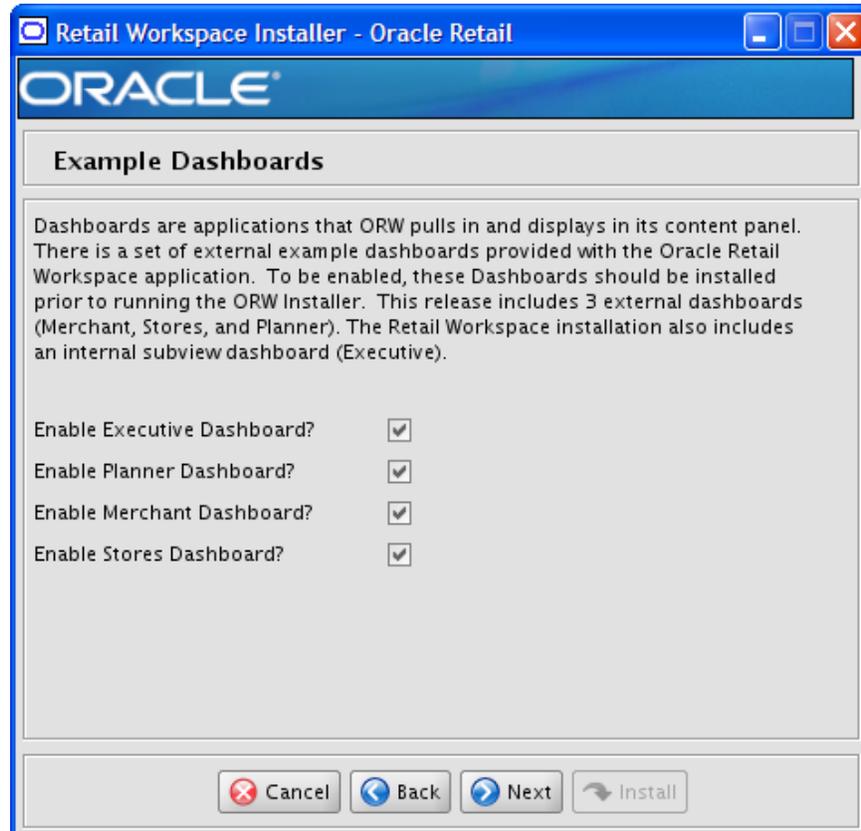
<b>Field Title</b>	BIEE Password Alias
<b>Field Description</b>	The BIEE login password's alias specified to identify the password in the Oracle Wallet that is created at install time. If this parameter is empty, it is assumed that the BIEE Login ID has no password.
<b>Example</b>	bieePwdAlias
<b>Notes</b>	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.

<b>Field Title</b>	BIEE login password
<b>Field Description</b>	Password for the BIEE administrator role. If nothing is entered, empty password will be stored in Oracle Wallet.
<b>Notes</b>	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.

<b>Field Title</b>	BIEE Users Folder Name
<b>Field Description</b>	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.
<b>Example</b>	users
<b>Notes</b>	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.

<b>Field Title</b>	BIEE Shared Reports Folder(s)
<b>Field Description</b>	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.
<b>Example</b>	shared
<b>Notes</b>	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:

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<b>Field Title</b>	Enable Executive Dashboard?
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<b>Field Description</b>	Determines if the Executive Dashboard will be displayed in ORW.
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<b>Field Title</b>	Enable Planner Dashboard?
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<b>Field Description</b>	Determines if the Planner Dashboard will be displayed in ORW.
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<b>Field Title</b>	Enable Merchant Dashboard?
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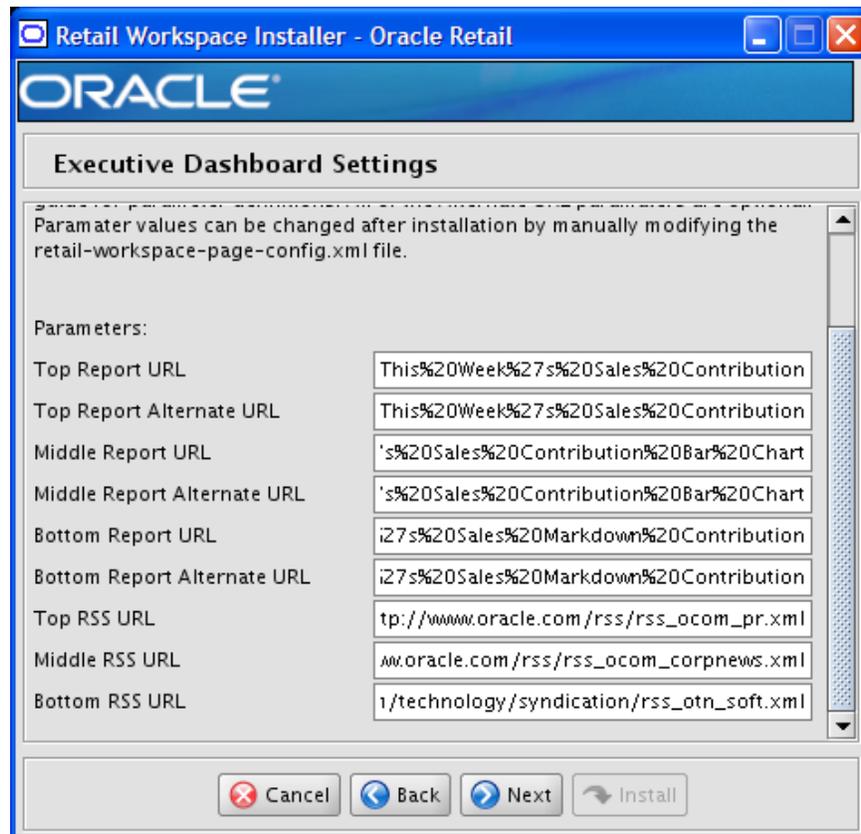
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<b>Field Description</b>	Determines if the Merchant Dashboard will be displayed in ORW.
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<b>Field Title</b>	Enable Stores Dashboard?
<b>Field Description</b>	Determines if the Stores Dashboard will be displayed in ORW.

### Screen: Executive Dashboard Settings



**Fields on this screen:**

<b>Field Title</b>	Top Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the top row of the Executive Dashboard.
<b>Example</b>	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Contribution
<b>Notes</b>	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.

<b>Field Title</b>	Top Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<code>http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Contribution</code>
<b>Notes</b>	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.
<b>Field Title</b>	Middle Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the middle row of the Executive Dashboard.
<b>Example</b>	<code>http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Contribution%20Bar%20Chart</code>
<b>Notes</b>	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.
<b>Field Title</b>	Middle Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<code>http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Contribution%20Bar%20Chart</code>
<b>Notes</b>	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.
<b>Field Title</b>	Bottom Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the bottom row of the Executive Dashboard.
<b>Example</b>	<code>http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Markdown%20Contribution</code>
<b>Notes</b>	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.

<b>Field Title</b>	Bottom Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Markdown%20Contribution">http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Sales%20Markdown%20Contribution</a>
<b>Notes</b>	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.
<b>Field Title</b>	Top RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the top row of the Executive Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/rss/rss_ocom_pr.xml">http://www.oracle.com/rss/rss_ocom_pr.xml</a>
<b>Notes</b>	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.
<b>Field Title</b>	Middle RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the middle row of the Executive Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/rss/rss_ocom_corpnews.xml">http://www.oracle.com/rss/rss_ocom_corpnews.xml</a>
<b>Notes</b>	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.
<b>Field Title</b>	Bottom RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the bottom row of the Executive Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/technology/syndication/rss_otn_soft.xml">http://www.oracle.com/technology/syndication/rss_otn_soft.xml</a>
<b>Notes</b>	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

**Planner Dashboard Settings**

Planner Dashboard URL

Parameters:

First Row Report URL

First Row Report Alternate URL

First Row Left RSS URL

First Row Right RSS URL

Second Row Report URL

Second Row Report Alt URL

Second Row RSS URL

Third Row Report URL

Third Row Report Alternate URL

Fourth Row Report URL

## Fields on this screen:

<b>Field Title</b>	Planner Dashboard URL
<b>Field Description</b>	URL used to acces Demo Planner Dashboard. This URL was displayed at the end of the Demo Dashboards installation.
<b>Example</b>	http://myhost:7777/PlannerDashboard/faces/DemoPlannerDashboard.jspx
<b>Notes</b>	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.

<b>Field Title</b>	First Row Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the first row of the Planner Dashboard.
<b>Example</b>	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FYesterday%27s%20Flash%20Sales
<b>Notes</b>	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.

<b>Field Title</b>	First Row Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FYesterday%27s%20Flash%20Sales">http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FYesterday%27s%20Flash%20Sales</a>
<b>Notes</b>	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.

<b>Field Title</b>	First Row Left RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the first row on the left side of the Planner Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/rss/rss_ocom_pr.xml">http://www.oracle.com/rss/rss_ocom_pr.xml</a>
<b>Notes</b>	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.

<b>Field Title</b>	First Row Right RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the first row on the right side of the Planner Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/rss/rss_ocom_corpnews.xml">http://www.oracle.com/rss/rss_ocom_corpnews.xml</a>
<b>Notes</b>	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.

<b>Field Title</b>	Second Row Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the second row of the Planner Dashboard.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FsalesTrend%2F_portal%2FsalesTrend4">http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FsalesTrend%2F_portal%2FsalesTrend4</a>
<b>Notes</b>	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.

<b>Field Title</b>	Second Row Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FsalesTrend%2F_portal%2FsalesTrend4">http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FsalesTrend%2F_portal%2FsalesTrend4</a>
<b>Notes</b>	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.
<b>Field Title</b>	Second Row RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the second row of the Planner Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/technology/syndication/rss_otn_soft.xml">http://www.oracle.com/technology/syndication/rss_otn_soft.xml</a>
<b>Notes</b>	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.
<b>Field Title</b>	Third Row Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the third row of the Planner Dashboard.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers">http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers</a>
<b>Notes</b>	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.
<b>Field Title</b>	Third Row Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers">http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers</a>
<b>Notes</b>	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.

<b>Field Title</b>	Fourth Row Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the fourth row of the Planner Dashboard.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FClassPerf%2F_portal%2FClassPerf_dashboard">http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FClassPerf%2F_portal%2FClassPerf_dashboard</a>
<b>Notes</b>	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.

<b>Field Title</b>	Fourth Row Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FClassPerf%2F_portal%2FClassPerf_dashboard">http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FClassPerf%2F_portal%2FClassPerf_dashboard</a>
<b>Notes</b>	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: iZFTThis%20Week%27s%20Top%20Performers

Top Report Alternate URL: iZFTThis%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

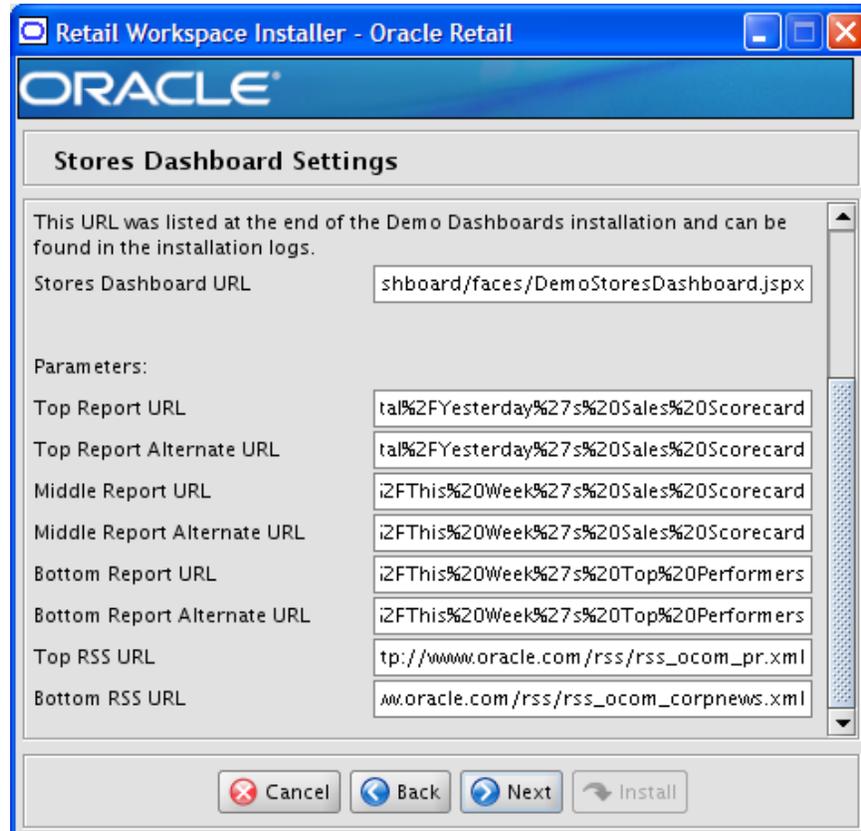
## Fields on this screen:

<b>Field Title</b>	Merchant Dashboard URL
<b>Field Description</b>	URL used to access Demo Merchant Dashboard. This URL was displayed at the end of the Demo Dashboards installation.
<b>Example</b>	http://myhost:7777/MerchantDashboard/faces/DemoMerchantDashboard.jspx
<b>Notes</b>	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.
<b>Field Title</b>	Top Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the top row of the Merchant Dashboard.
<b>Example</b>	http://myhost:7777/analytics/saw.dll?Go&Path=%2Fshared%2FRDW%20Packaged%20Reports%2FTThis%20Week%27s%20Top%20Performers
<b>Notes</b>	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.

<b>Field Title</b>	Top Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<code>http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers</code>
<b>Notes</b>	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.
<b>Field Title</b>	Middle Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the middle row of the Merchant Dashboard.
<b>Example</b>	<code>http://myhost:7777/xmlpserver/Guest/RMS/12.1int/Orders/opo/opo.xdo?_xpf=&amp;_xpt=0&amp;_xdo=%2FGuest%2FRMS%2F12.1int%2FOrders%2Fopo%2Fopo.xdo&amp;_xt=OPO&amp;_xf=html&amp;_xmode=4</code>
<b>Notes</b>	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.
<b>Field Title</b>	Middle Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<code>http://myhost:7777/xmlpserver/Guest/RMS/12.1int/Orders/opo/opo.xdo?_xpf=&amp;_xpt=0&amp;_xdo=%2FGuest%2FRMS%2F12.1int%2FOrders%2Fopo.xdo&amp;_xt=OPO&amp;_xf=html&amp;_xmode=4</code>
<b>Notes</b>	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.
<b>Field Title</b>	Bottom Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the bottom row of the Merchant Dashboard.
<b>Example</b>	<code>http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FYesterday%27s%20Flash%20Sales</code>
<b>Notes</b>	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.

<b>Field Title</b>	Bottom Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FYesterday%27s%20Flash%20Sales">http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FYesterday%27s%20Flash%20Sales</a>
<b>Notes</b>	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.
<b>Field Title</b>	Top RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the top row of the Merchant Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/rss/rss_ocom_pr.xml">http://www.oracle.com/rss/rss_ocom_pr.xml</a>
<b>Notes</b>	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.
<b>Field Title</b>	Middle RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the middle row of the Merchant Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/rss/rss_ocom_corpnews.xml">http://www.oracle.com/rss/rss_ocom_corpnews.xml</a>
<b>Notes</b>	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.
<b>Field Title</b>	Bottom RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the bottom row of the Merchant Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/technology/syndication/rss_otn_soft.xml">http://www.oracle.com/technology/syndication/rss_otn_soft.xml</a>
<b>Notes</b>	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:**

<b>Field Title</b>	Stores Dashboard URL
<b>Field Description</b>	URL used to acces Demo Stores Dashboard. This URL was displayed at the end of the Demo Dashboards installation.
<b>Example</b>	http://myhost:7777/StoresDashboard/faces/DemoStoresDashboard.jspx
<b>Notes</b>	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.

<b>Field Title</b>	Top Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the top row of the Stores Dashboard.
<b>Example</b>	<code>http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FRDW%20Packaged%20Reports%2F_portal%2FYesterday%27s%20Sales%20Scorecard</code>
<b>Notes</b>	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.

<b>Field Title</b>	Top Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<code>http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FRDW%20Packaged%20Reports%2F_portal%2FYesterday%27s%20Sales%20Scorecard</code>
<b>Notes</b>	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.

<b>Field Title</b>	Middle Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the middle row of the Stores Dashboard.
<b>Example</b>	<code>http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FRDW%20Packaged%20Reports%2F_portal%2FThis%20Week%27s%20Sales%20Scorecard</code>
<b>Notes</b>	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.

<b>Field Title</b>	Middle Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FRDW%20Packaged%20Reports%2F_portal%2FThis%20Week%27s%20Sales%20Scorecard">http://myhost:7777/analytics/saw.dll?PortalPages&amp;PortalPath=%2Fshared%2FRDW%20Packaged%20Reports%2F_portal%2FThis%20Week%27s%20Sales%20Scorecard</a>
<b>Notes</b>	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.

<b>Field Title</b>	Bottom Report URL
<b>Field Description</b>	URL displayed by the Report portlet in the bottom row of the Stores Dashboard.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers">http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers</a>
<b>Notes</b>	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.

<b>Field Title</b>	Bottom Report Alternate URL
<b>Field Description</b>	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.
<b>Example</b>	<a href="http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers">http://myhost:7777/analytics/saw.dll?Go&amp;Path=%2Fshared%2FRDW%20Packaged%20Reports%2FThis%20Week%27s%20Top%20Performers</a>
<b>Notes</b>	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.

<b>Field Title</b>	Top RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the top row of the Stores Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/rss/rss_ocom_pr.xml">http://www.oracle.com/rss/rss_ocom_pr.xml</a>
<b>Notes</b>	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.

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<b>Field Title</b>	Bottom RSS URL
<b>Field Description</b>	URL to an RSS feed displayed by the RSS portlet in the bottom row of the Stores Dashboard.
<b>Example</b>	<a href="http://www.oracle.com/rss/rss_ocom_corpnews.xml">http://www.oracle.com/rss/rss_ocom_corpnews.xml</a>
<b>Notes</b>	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.

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**Screen: Oracle Retail Products**



**Fields on this screen:**

Field Title	Oracle Retail Product Checkbox
<b>Field Description</b>	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.

## 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:

<b>Field Title</b>	Launch URL
<b>Field Description</b>	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.
<b>Example</b>	<code>http://myhost:7777/contextroot</code>
<b>Field Title</b>	Config parameter
<b>Field Description</b>	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.
<b>Example</b>	config value myapp results in this request: <code>[launch-url]?config=myapp</code> .
<b>Notes</b>	The config parameter text field may not be available depending on which Oracle Retail Product screen you are on.

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

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

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## 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.

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**Example:** `install.sh silent`

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## 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.



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## Appendix: URL Reference

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

### Deployer URI

The 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`.

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**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.

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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.

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

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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.

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**Example:** `deployer:oc4j:myhost:23791`

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## 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)

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**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.

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9. Oracle Retail Central Office (ORCO)
10. Oracle Retail Back Office (ORBO) or Back Office with Labels and Tags (ORLAT)
11. Oracle Retail Store Inventory Management (SIM)

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**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.

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