

Oracle® Retail Plan

Release Notes

Release 12.0

August 2006

The Oracle Retail Plan 12.0 release introduces support for the Oracle platform. It supports OAS 10.1.3, while maintaining support for WebLogic 8.1sp5.

To that end, Oracle Retail Plan underwent the following changes:

- All entity beans were removed in favor of data access object design pattern to enable persistence in OAS. This removed the container-managed persistence.
- The Installer now supports installation for OAS. A series of OAS-specific installer properties have been added.

1 Installing and Configuring Oracle Application Server

To install and configure Oracle Application Server, use these sections in the following sequence:

1. Installing Oracle Application Server
2. Configuring Oracle Application Server

1.1 Server Requirements

Database:

Oracle 10g (10.2.0.1)

Application Server:

- WebLogic 8.1 SP5 with Jrockit 8.1 (1.4.2_08) JVM, running on Red Hat Enterprise Linux 3.0 **or**
- Oracle Application Server 10g (10.1.3) with patches 4968168, 5365375, and 5385619, with the Sun JDK 1.4.2_08 (32 bit) or above JVM, running on Red Hat Enterprise Linux 3.0

2 Installing Oracle Application Server

Install Oracle Application Server, referring to the Oracle Application Server documentation for guidance.

During the installation, accept the default values for the multicast IP address and port settings; these settings will be automatically updated, as needed, when you run the Plan Installer.



Multicast is required for cluster install. It must be manually configured if the multicast settings are different from the default that you accepted when you installed OAS. Then, the Plan installer properties file must specify the multicast address and port in addition to turning OPMN on to match the configured settings in the OAS instance.

If you want your OAS instance to be part of a cluster, specify the information relevant to your cluster topology.

Next, you need to specify properties in the Oracle Application Server configuration files.

3 Configuring Oracle Application Server

To specify Oracle Application Server configuration properties:

1. Edit the `j2ee/home/config/server.xml` file, and specify the following as an attribute on the parent `<application/>` element:
`global-jndi-lookup-enabled=true`
2. Edit the `opmn/conf/opmn.xml` file, and specify the configroot and memory as follows:

```
<category id="start-parameters">
  <data id="java-options" value="-Xrs -server
    -Djava.security.policy=$ORACLEHOME/j2ee/home/config/java2.policy
    -Dcom.profitlogic.configroot=installbase/config
    -Xmx512m -Xms512m -XX:MaxPermSize=256m
    -Dhttp.webdir.enable=false"/>
</category>
```

Note: The memory settings are suggestions, and should be tuned based on your environment.

In `opmn.xml`, the RMI port for OC4J in this file (`opmn.xml`) can be restricted to one port for later convenience, rather than a range of values like below (the single port specified must reside within the range specified - i.e., 12400 would be an invalid port number):

```
<port id="rmi" range="12401-12501"/>
```

By specifying one port, say, `<port id="rmi" range="12401"/>`, we know that the plan installer will communicate with OC4J via this port, and we can specify this port for "oracle.admin.port" property in `installer.properties`. Otherwise, if the range of ports is in use, we must find out what port happens to be used at the time of install, and specify that port in the property file.

Note: For the cluster install, the RMI port for OC4J (see above) is not relevant for the `oracle.admin.port` property because it should be the OPMN request port instead of the RMI port.

To find this port, log in to the admin server and issue "opmnctl status -port".

4 Configuring Oracle Application Server on a Cluster

Assumptions:

- OAS instances exist locally on each system in the cluster, not on an NFS-mounted system.
- The Plan application will be installed locally, not on an NFS-mounted system.
- Analogous assumptions hold true for the CE.

Note: There are two other possible cluster set ups:

1. Two OAS instances exist on the same server:

If multiple instances of OAS exist on the same server, make sure each instance is listening on its own HTTP port.

To change the HTTP port for an OAS instance, change the "Listen" and "Port" directives in OAS_HOME/Apache/Apache/conf/httpd.conf. For more information, see:

http://download-west.oracle.com/docs/cd/B25221_04/core.1013/b25209/ports.htm#CIHJEEJH

2. OAS instances exist on an NFS-mounted system:

If an OAS instance(s) is installed on NFS-mounted file system, the "LockFile" directive in Apache's httpd.conf to point to a lock file in the local directory structure.

Note: Each OAS instance may run only on the machine on which it was installed.

Configure the following items on all OAS instances in the cluster:

1. Edit Apache configuration:

Go to \$OAS_HOME/Apache/Apache/conf (where \$OAS_HOME is where you installed OAS) and edit httpd.conf

In the file, turn off using a canonical name as below:

UseCanonicalName Off

2. Edit opmn.xml and add a multicast IP address and a port of your choice, for example:

```
<notification-server interface="ipv4">
  <port local="6101" remote="6201" request="6004"/>
  <ssl enabled="true" wallet-file="$ORACLE
HOME/opmn/conf/ssl.wlt/default"/>
  <topology>
    <discover list="*236.205.215.122:19001"/>
  </topology>
</notification-server>
```

The three lines in bold above are what should be added to the <notification-server> tag in opmn.xml.

The multicast IP must be preceded by an asterisk. You can also do this by executing the command:

opmnctl config topology update discover="*236.205.215.122:19001"

5 Install.properties Consideration for Cluster Install

A few properties need to be specified differently for the installation on a cluster:

- "basedest.basedest.dir - Make sure that this directory exists locally on both systems. Obviously it has to be the same on both systems.

Example:

basedest.basedest.dir=/s000/ev12/deployments/Plan_Cluster1

- "suite.host, suite.port - These must be of the load balancer, not one of the servers in the cluster, so that the installer can configure the suite properly.

Example:

suite.host=10.143.246.206

suite.port=7779

- "ce.url - It must be a comma-separated list of the CE URLs, which is of the form "opmn:ormi://server:port/delphi", where port = OPMN request port for each CE.

Example:

ce.url=opmn:ormi://qa-app-l07.us.oracle.com:6004/delphi,opmn:ormi://qa-app-l11.us.oracle.com:6003/delphi

- Main OAS properties - They must be of the admin server in the cluster. Again, oracle.admin.port should be the OPMN request port. Oracle.opmn.enabled should be true.

Example:

oracle.home=/s000/product/10.1.3/OracleAS_1/j2ee/home

oracle.server.address=qa-app-l03.us.oracle.com

oracle.admin.port=6004 (in multicast cluster environment, this should be the opmn port. For others, see the rmi information specified above)

oracle.admin.userid=oc4jadmin

oracle.admin.password=password1

oracle.instance.name=home

oracle.opmn.enabled=yes (this is yes if opmn is turned on... by default, this should be no)

6 Known Issues in this Release

20026

A JNDI lookup failure occurs and cannot contact the CE in a clustered environment. This is the result of calcengine user not being created on all nodes of the cluster.

Workaround: Create the "calcengine" user manually:

1. Log in to the Application Server Control for the calc engine. You will be at the Cluster Topology screen. If this environment is a cluster, you will see two OC4J instances. In that case, the rest of the instructions should be repeated for each instance.
2. Expand the OC4J node, and click on the "delphi" application link. You will be at the screen entitled "Application: delphi".
3. Switch to the "Administration" tab by clicking on the link. You will see a series of admin tasks.

4. Click on the "Go to Task" link for Security Provider. You will be at the Security Provider screen.
5. Switch to the "Realms" tab by clicking on the link. You will see a realm called "jazn.com".
6. Click on the link under "Users" for this realm. You will see a list of users existing on this realm.
7. Click "Create". You will be at the "Add User" screen.
8. Enter "calcengine" in the "Name", "Password", and "Confirm Password" fields.
9. In the "Available Roles" list box, find a role called "oc4j-administrators". Move this role to the right list box called "Selected Roles"
10. Click "OK". You will be back to the "Users" screen. Confirm that the user has been added.

20114

Last receipt date cannot be saved when editing multiple items

Workaround: In order to enter the last receipt date for multiple items, do one item at a time instead of editing multiple items together at the same time.

20148

Copying and pasting the StoreFlow data from an Actual item to a Mock/ Actual items does not work. It turns the status to DONE but no dates are copied.

Workaround: Manually enter the dates for the items in question.

20281

Running the plan updater with the "seize" and "itemForecast" options together does not work.

Workaround: Do not use the "seize" option with anything else. When using the "seize" option, do not specify any operation option in order to run all operations.

20340

There is an invocation exception when a forecast is requested: "Can't invoke method:sendForecast java.lang.reflect.InvocationTargetException".

Workaround: Ignore this exception. It is benign.

20368

Occasionally finding a like item throws an exception when searching for a like item on "Add Like Item" screen.

Workaround: Click "Find" again.

20384

There is an error in the display of the "Need" segment in the Assortment View if at least one item with a forecast has all store grades unselected in buy parameter.

Workaround: Do not leave any item's store grades entirely unselected.

