

# **Oracle® Retail Invoice Matching**

Installation Guide

Release 10.2.13

September 2008

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# Preface

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

## Audience

This Installation Guide is written for the following audiences:

- Database administrators (DBA)
- System analysts and designers
- Integrators and implementation staff

## Related Documents

For more information, see the following documents in the Oracle Retail Invoice Matching release 10.2.13 documentation set:

- Oracle Retail Invoice Matching 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 12.0), 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.](#)



# Preinstallation Tasks

## Check Database Server Requirements

General requirements for a database server running ReIM on 10G include:

Supported on:	Versions Supported:
Database Server OS	OS certified with Oracle Database 10g Enterprise Edition. Options are: <ul style="list-style-type: none"> <li>AIX 5.3</li> </ul>
Database Server	Oracle Database 10g Release 2 Enterprise Edition (minimum 10.2.0.3 patchset required) with the following patches and components: Patches: <ul style="list-style-type: none"> <li>4516865 (WRONG PERMISSIONS AFTER INSTALLATION IN OH AND SUBSEQUENT DIRECTORIES)</li> </ul> Components: <ul style="list-style-type: none"> <li>Oracle Database 10g</li> <li>Oracle Partitioning</li> <li>Oracle Net Services</li> <li>Oracle Call Interface (OCI)</li> <li>Oracle Programmer</li> <li>Oracle XML Development Kit</li> </ul> ANSI compliant C compiler (certified with OS and database version) Perl compiler 5.0 or later x-Windows interface

The following change should be made on your database server:

- Go to the \$ORACLE\_HOME/dbs/initpfile.ora and append the pfile by following parameter:  
\_allow\_level\_without\_connect\_by=true

## Check Application Server Requirements

General requirements for an application server capable of running ReIM include:

Supported on:	Versions Supported:
Application Server OS	OS certified with Oracle Application Server 10g 10.1.3.3. Options are: <ul style="list-style-type: none"> <li>AIX 5.3</li> </ul>

Supported on:	Versions Supported:
Application Server	<p>Oracle Application Server 10g 10.1.3.3 with the following patches:</p> <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>
<p><b>Note:</b> This release of Oracle Retail ReIM is only supported in a managed OC4J instance as part of OracleAS 10g. It is not supported on OC4J standalone.</p>	

## Check Web Browser and Client Requirements

General requirements for client running ReIM include:

Requirement	Version
Operating System	Windows 2000 or XP
Resolution	1024x768
Memory	Minimum 256 MB RAM, 450 MHz
JDK	1.4.x and higher
Web Browser	Microsoft Internet Explorer 5.5 or higher

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## Database Server Installation Instructions

Before you apply the ReIM 10.2.13 patch:

- Make a backup of all your objects and database schema.
- Check that ReIMs 10.2.12 is installed.
- Check that either RMS 10.1.22 or RMS 9.0.21 is installed.
- Review the enclosed ReIM 10.2.13 Patch Release Notes (reim-10021-rn.pdf).
- Review each of the enclosed defect documents.

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**Note:** The previous tech stack should work for this release.  
These install instruction refer to the new tech stack.

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Before copying over any files:

- Note whether customizations have been made to the module. If so, then the customizations must be reapplied over the new version of the module (or the fix may need to be applied to the custom version of the code).
- Copy the original files to a different directory before copying over them in case they need to be referred to at a later date.

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**Note:** These instructions refer to reimdev10 as the Oracle  
owning schema.

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# Application Server Installation Instructions

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## Application Server Installation Instructions

Before proceeding, you must install Oracle Application Server 10g 10.1.3.3 plus the patches listed in the Preinstallation chapter of this document. The ReIM application will be deployed to an OC4J:home instance within the OracleAS installation. It is assumed Oracle Database has already been configured and loaded with the appropriate RMS and ReIM schemas for your installation.

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**Note:** J2EE\_HOME refers to the directory  
\$ORACLE\_HOME/j2ee/<instancename>

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## Upgrade Oracle Application Server 10g

The ReIM 10.2.13 release requires an upgrade of the application server from 9.0.4 to 10.1.3.3. Before deploying the ReIM 10.2.13 application war file you need to patch your Oracle Application Server up to version 10.1.3.3 plus the patches listed in the Preinstallation chapter of this document.

## Copy and Unpack Installation Files from CD-ROM

1. Mount the CD-ROM on your UNIX Application Server.
2. Change directories to /appserverunix.
3. Copy the reim10213apppatch.tar file from the CD /appserverunix directory to a newly created staging directory on your UNIX Application server.
4. Log in to UNIX.
5. Change directories to the staging directory.
6. Untar the tar file by entering:  
tar xvf reim10213apppatch.tar

## Deploy and Configure OC4J

### Prerequisites for Deployment of OC4J

1. Configure the JDK for this OC4J instance. By default, new OC4J instances use the Java 1.5 JDK that is shipped with the application server. This release of ReIM requires Java 1.4.x.

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**Note:** For instructions on how to change the JDK for an OC4J instance, see the Specifying the JDK in a Managed Configuration section of the OC4J Runtime Configuration chapter of the *Oracle Containers for J2EE Configuration and Administration Guide*.

---

2. Set the property -Xmx512M value to 1024M (-Xmx1024M) in \$ORACLE\_HOME/opmn/conf/opmn.xml.  
Example:

```
<process-type id="home" module-id="OC4J" status="enabled">
  <module-data>
    <category id="start-parameters">
      <data id="java-bin"
        value="/vol.rtk/java/aix53/java1.4.1_04.64bit/bin/java"/
      >
      <data id="java-options" value="-
Djava.net.preferIPv4Stack=true -
Djava.security.policy=/u03/OAS/10gasr3/10.1.3.3.0/j2ee/home/config/java
2.policy -Djava.awt.headless=true -Dhttp.webdir.enable=false -Xmx1024M -
DORACLE_HOME=/u03/OAS/10gasr3/10.1.3.3.0 -Dajp.keepalive=true "/>
    </category>
    <category id="stop-parameters">
      <data id="java-options" value="-
Djava.net.preferIPv4Stack=true -
Djava.security.policy=/u03/OAS/10gasr3/10.1.3.3.0/j2ee/home/config/java
2.policy Djava.awt.headless=true -Dhttp.webdir.enable=false -Xmx1024M -
DORACLE_HOME=/u03/OAS/10gasr3/10.1.3.3.0 -Dajp.keepalive=true "/>
    </category>
  </module-data>
  <start timeout="600" retry="2"/>
  <stop timeout="120"/>
  <restart timeout="720" retry="2"/>
  <port id="default-web-site" range="12501-12600" protocol="ajp"/>
  <port id="rmi" range="12401-12500"/>
  <port id="jms" range="12601-12700"/>
  <port id="rmis" range="12701-12800"/>
  <process-set id="default_group" numprocs="1"/>
</process-type>
```

Force OPMN to reload the configuration file.

---

**Example:** \$ORACLE\_HOME/opmn/bin/opmnctl reload

---

3. Start the OC4J instance. 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 startall

---

4. Verify that the OC4J:home instance 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

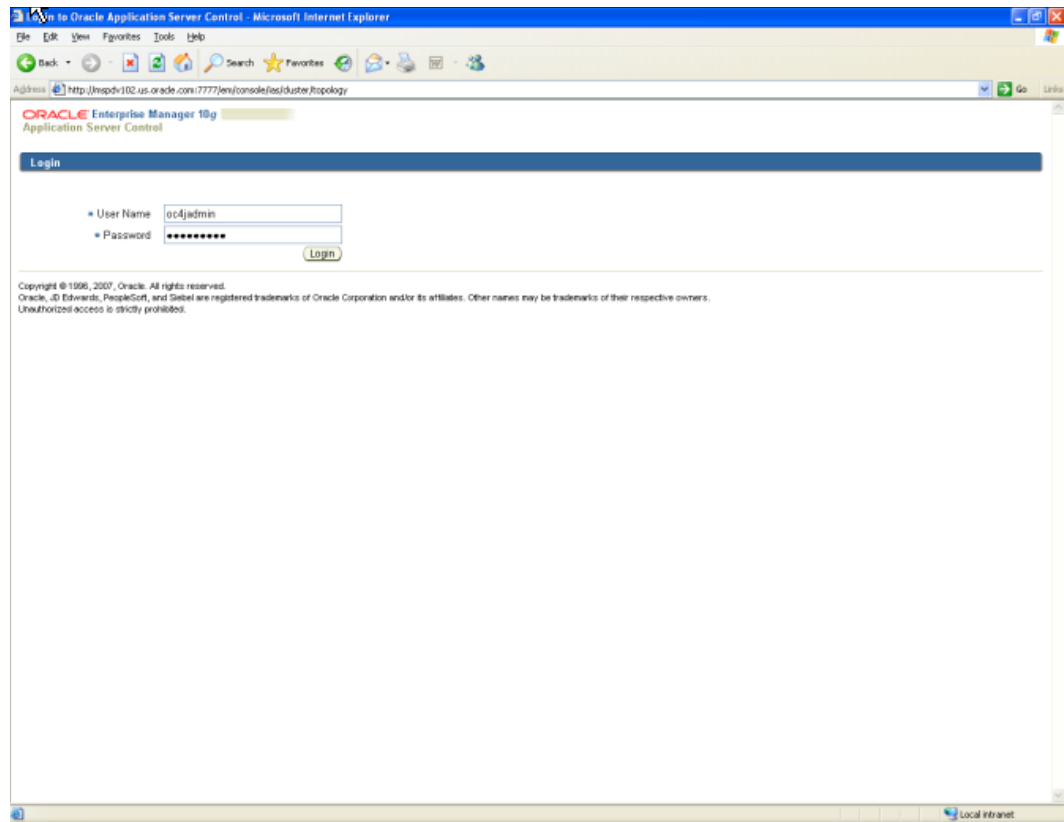
---

If you are unable to start the OC4J:home instance after several attempts, try increasing the startuptimeouts in ORACLE\_HOME/opmn/conf/opmn.xml. If that does not help, consult the Oracle Application Server documentation for further assistance.

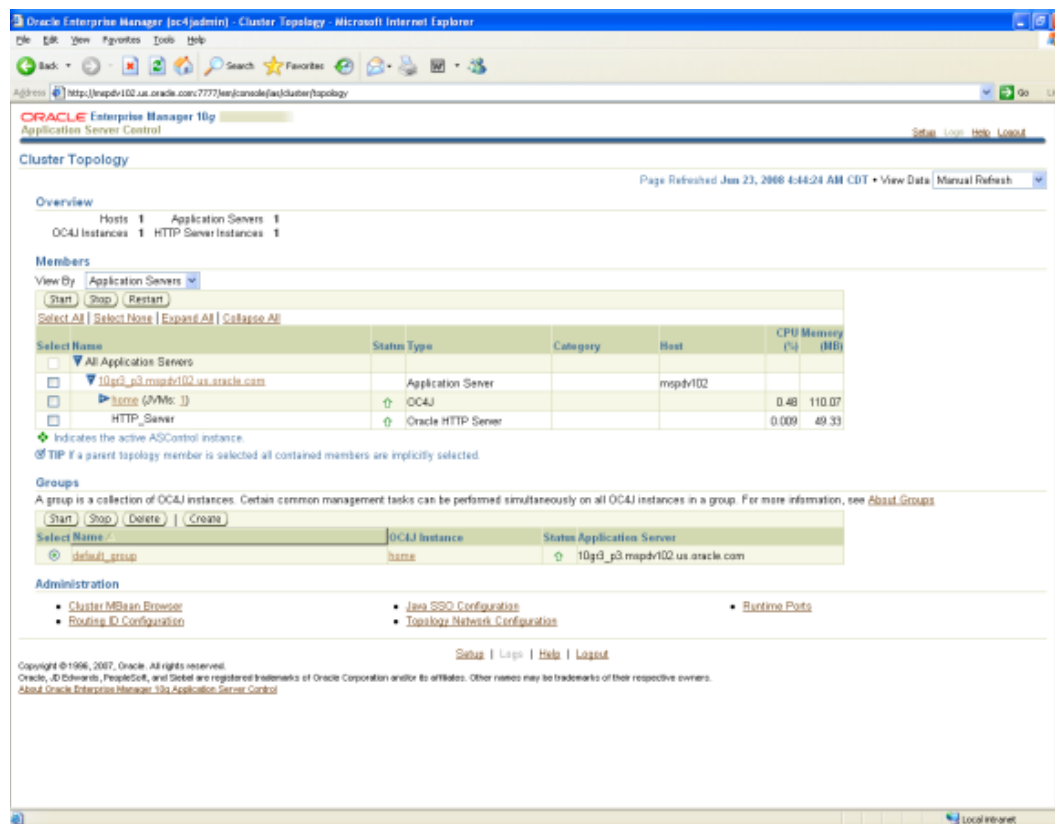
## Deploy the ReIM .war File into the Default OC4J:home Application

1. Login to Enterprise Manager (10.1.3.3.0) as shown below:

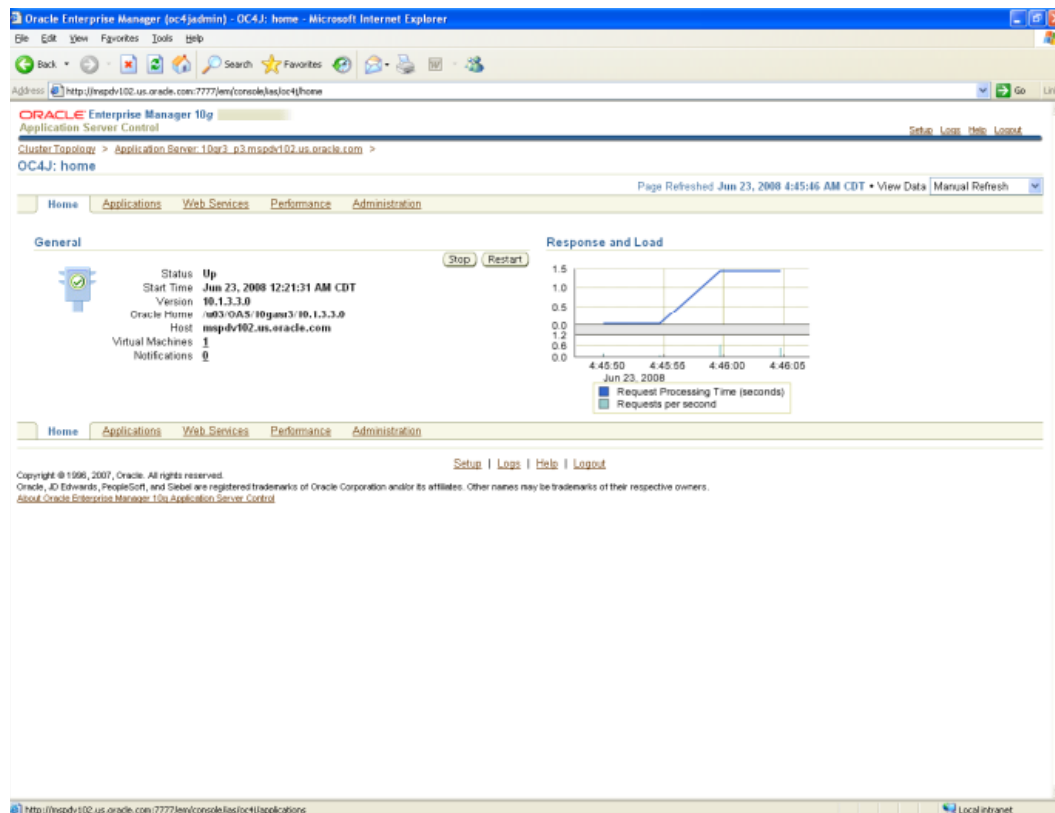
http://<server>:<port>/em



2. Click the Home link.

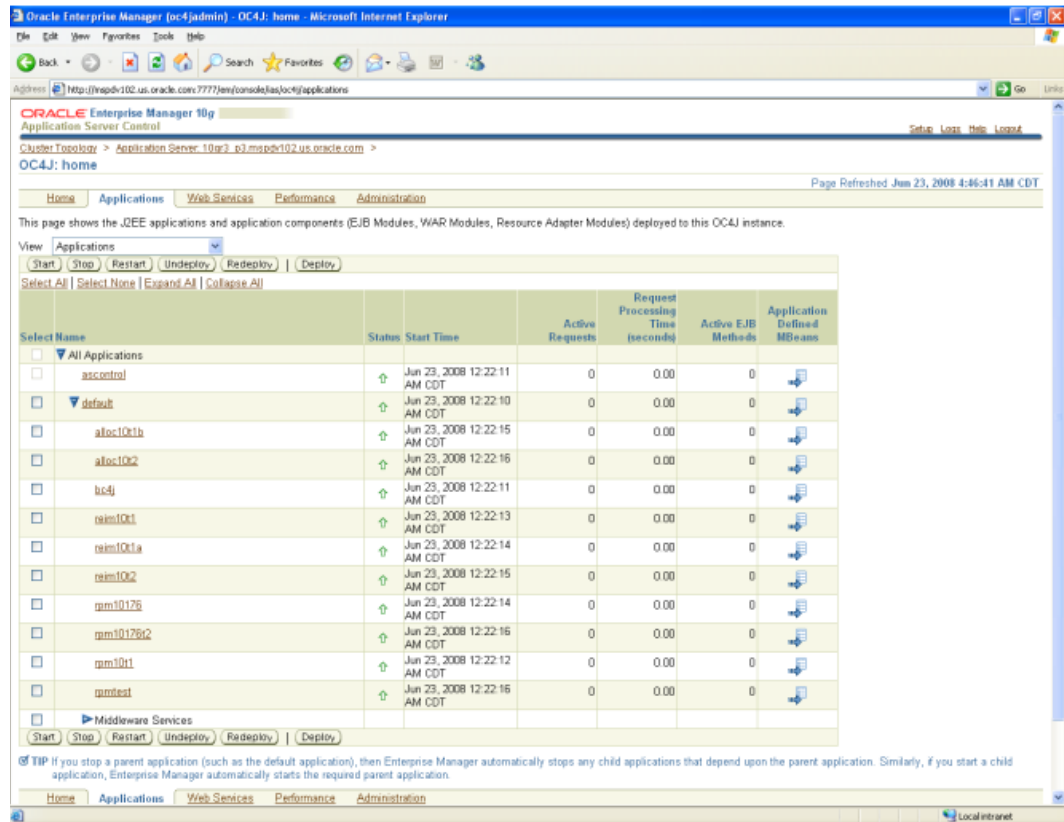


### 3. Select Applications from tabs.



### 4. Click the Deploy button.





Oracle Enterprise Manager 10g  
Application Server Control  
Cluster Topology > Application Server: 10g3\_p3.mspdv102.us.oracle.com >  
OC4J: home

Page Refreshed Jun 23, 2008 4:46:41 AM CDT

Home Applications Web Services Performance Administration

This page shows the JEE applications and application components (EJB Modules, WAR Modules, Resource Adapter Modules) deployed to this OC4J instance.

View: Applications

(Start) (Stop) (Restart) (Undeploy) (Redeploy) (Deploy)

Select All | Select None | Expand All | Collapse All

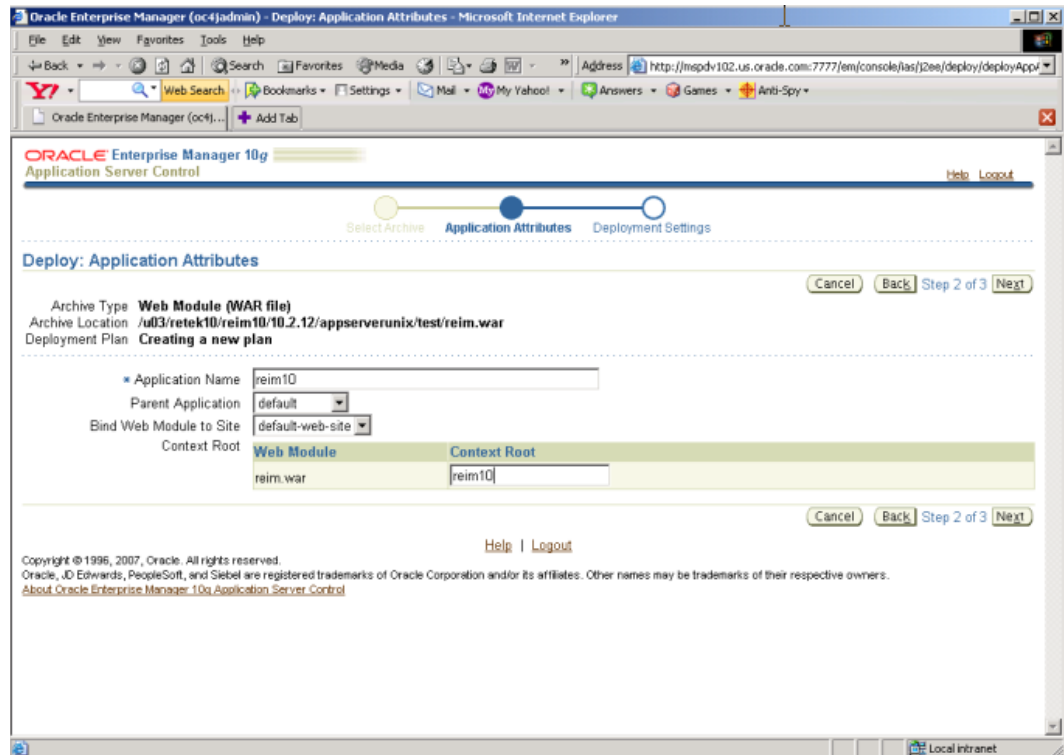
Select	Name	Status	Start Time	Active Requests	Request Processing Time (seconds)	Active EJB Methods	Application Defined MBeans
<input type="checkbox"/>	▼ All Applications						
<input type="checkbox"/>	ascontrol	↑	Jun 23, 2008 12:22:11 AM CDT	0	0.00	0	
<input type="checkbox"/>	▼ default	↑	Jun 23, 2008 12:22:10 AM CDT	0	0.00	0	
<input type="checkbox"/>	aloc10t1b	↑	Jun 23, 2008 12:22:15 AM CDT	0	0.00	0	
<input type="checkbox"/>	aloc10t2	↑	Jun 23, 2008 12:22:16 AM CDT	0	0.00	0	
<input type="checkbox"/>	bc4j	↑	Jun 23, 2008 12:22:11 AM CDT	0	0.00	0	
<input type="checkbox"/>	reim10t1	↑	Jun 23, 2008 12:22:13 AM CDT	0	0.00	0	
<input type="checkbox"/>	reim10t1a	↑	Jun 23, 2008 12:22:14 AM CDT	0	0.00	0	
<input type="checkbox"/>	reim10t2	↑	Jun 23, 2008 12:22:15 AM CDT	0	0.00	0	
<input type="checkbox"/>	rpm10176	↑	Jun 23, 2008 12:22:14 AM CDT	0	0.00	0	
<input type="checkbox"/>	rpm10176t2	↑	Jun 23, 2008 12:22:16 AM CDT	0	0.00	0	
<input type="checkbox"/>	rpm10t1	↑	Jun 23, 2008 12:22:12 AM CDT	0	0.00	0	
<input type="checkbox"/>	rpmtest	↑	Jun 23, 2008 12:22:16 AM CDT	0	0.00	0	
<input type="checkbox"/>	▼ Middleware Services						

(Start) (Stop) (Restart) (Undeploy) (Redeploy) (Deploy)

**TIP** If you stop a parent application (such as the default application), then Enterprise Manager automatically stops any child applications that depend upon the parent application. Similarly, if you start a child application, Enterprise Manager automatically starts the required parent application.

Home Applications Web Services Performance Administration

##### 5. Specify the reim.war file location on the server and click Next.



Oracle Enterprise Manager 10g  
Application Server Control  
Cluster Topology > Application Server: 10g3\_p3.mspdv102.us.oracle.com >  
OC4J: home

Help Logout

Select Archive Application Attributes Deployment Settings

**Deploy: Application Attributes**

Cancel Back Step 2 of 3 Next

Archive Type: **Web Module (WAR file)**  
Archive Location: **/u03/retek10/reim10/10.2.12/appserverunix/test/reim.war**  
Deployment Plan: **Creating a new plan**

Application Name: **reim10**  
Parent Application: **default**  
Bind Web Module to Site: **default-web-site**  
Context Root: **Web Module**  
**reim.war** **Context Root**  
**reim10**

Cancel Back Step 2 of 3 Next

Help Logout

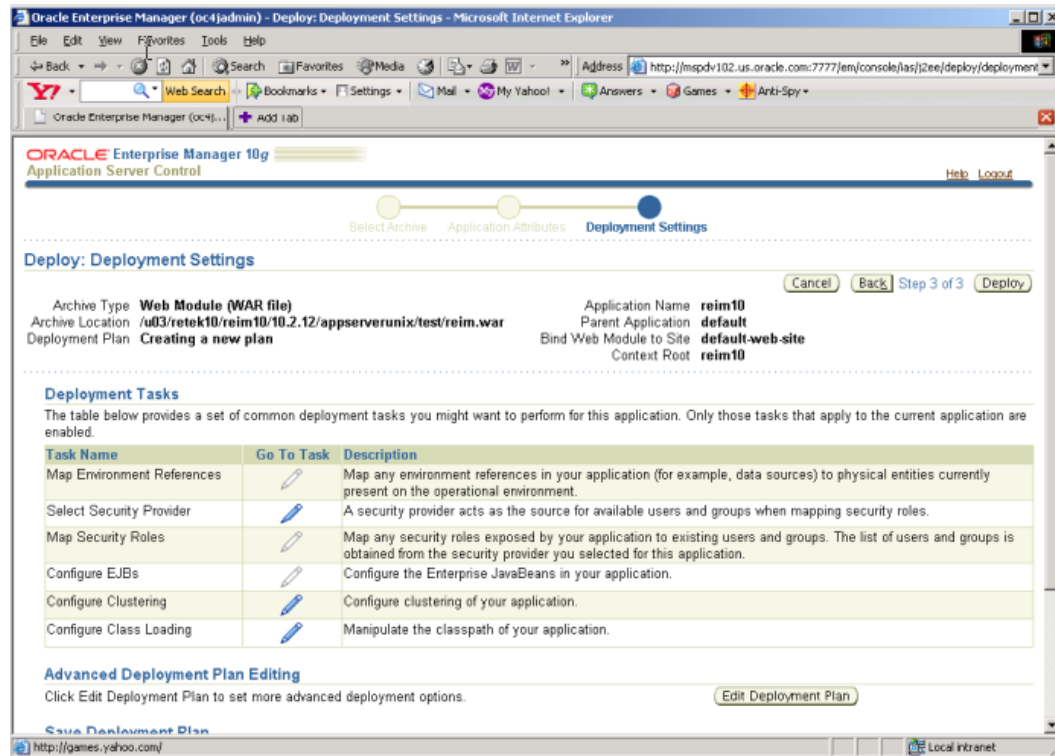
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[About Oracle Enterprise Manager 10g Application Server Control](#)

- Specify the Application name and Context root, and click Next.

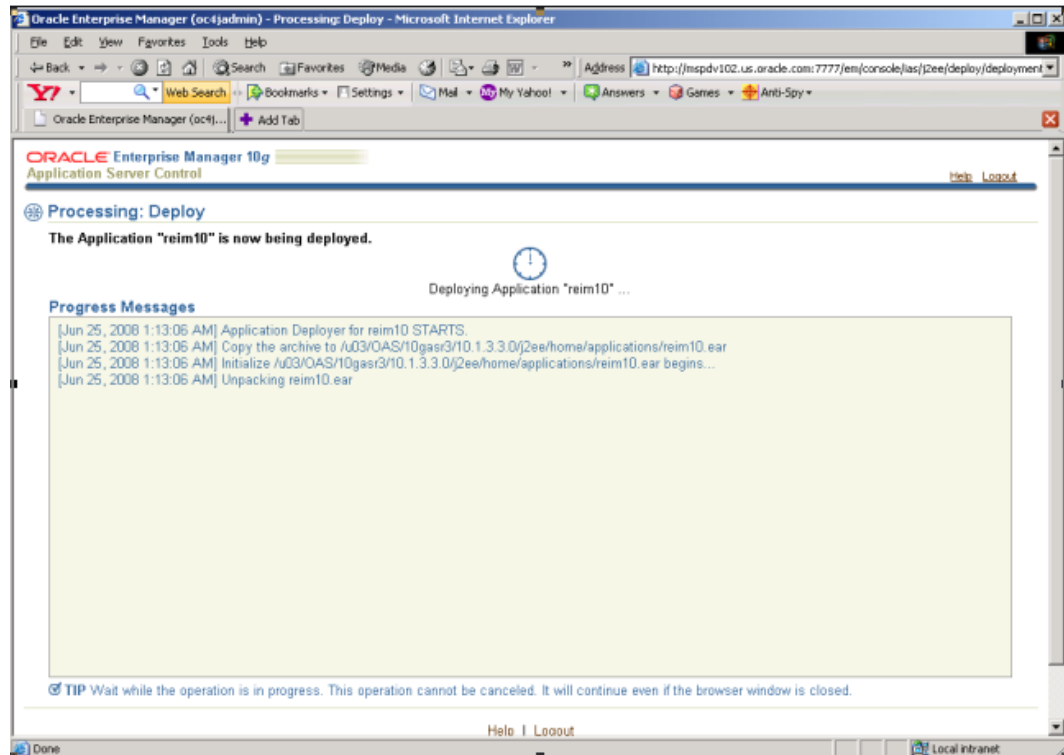
For example:

Application name: reim10

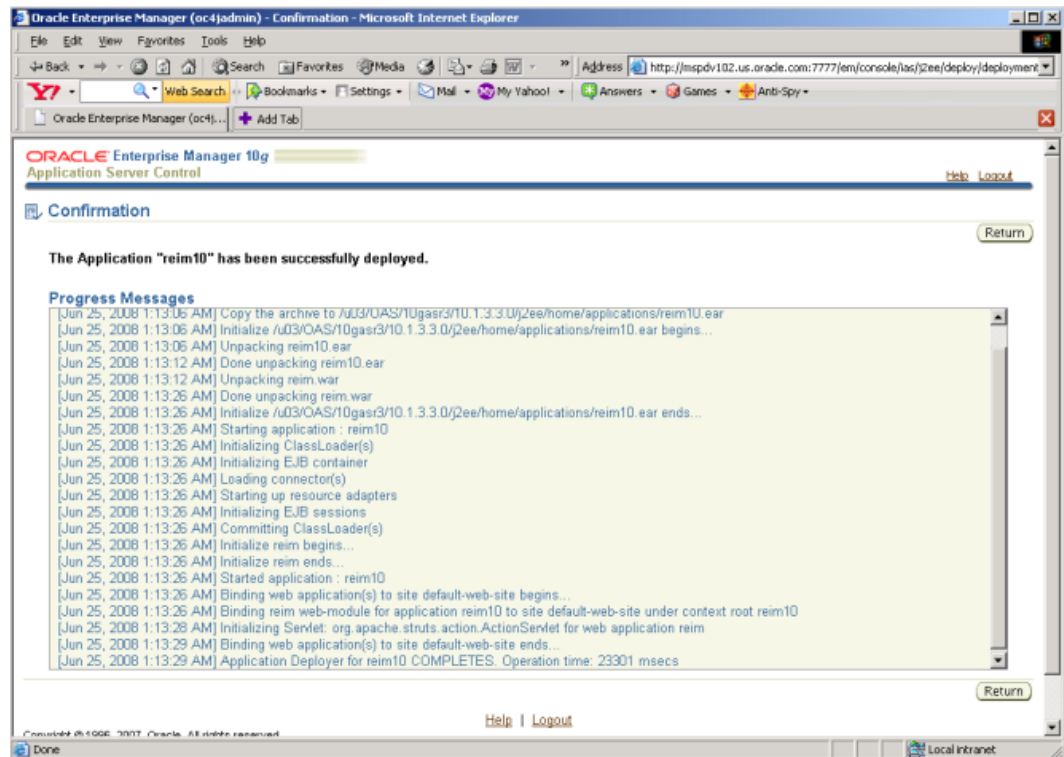
Context root: reim10



- Click Deploy.



8. During deployment process the following message appears:  
 'The application "reim" is being deployed.'



9. After successful deployment, the following message appears:  
 'The application "reim" has been successfully deployed.'

## Post-Deployment Steps

### Edit the file ReIM.properties

1. Change directories to  
\$J2EE\_HOME/applications/reim10/reim/WEBINF/classes/com/retek/reim.
2. Edit ReIM.properties; the values to be changed are:  
password=<rms schema password>  
username=<rms schema owner>  
url=jdbc\:oracle\:thin\:@<database server>\:<port>\:<database sid>  
rms schema password = RMS 10 database schema password  
rms schema owner = name of the RMS 10 database schema  
database server = machine name of server where the database resides  
port = Oracle database port  
database sid = Oracle database sid name

### Start/Stop/Load the Default OC4J Application

1. To start the default OC4J container, go to <ORACLE\_HOME>/opmn/bin and issue the following command:  
opmnctl startall
2. To stop the default OC4J container, go to <ORACLE\_HOME>/opmn/bin and issue the following command:  
opmnctl stopall

### Configure ReIM Batch Scripts

1. Extract the tar archive file to your UNIX file system:  
UNIX> tar xvf batchscripts.tar  
The directory structure will look like this:  
<INSTALL\_DIR> generic/  
                                reimautomatch/  
                                reimediinvdownload/  
                                reimediinvupload/  
                                reimposting/  
                                reimpurge/  
                                reimrollup/
2. The script called generic is the master script; the other files are symbolic links to the master script. When batch is invoked by calling one of these scripts the generic script uses the symbolic link filename to determine which Java class to call.  
To configure, alter the following lines in generic:
  - REIMHOME=/files2/bbyim/oc4j903\_im/j2ee/home/rms90xdevapplication/reim90dev
  - JAVA\_HOME=/vol.rtk/java/solaris/java1.3.1\_07These should reflect the location of your unpacked classes from the war file and the location of Java on your system.

## Configure Help Files

1. Copy the help.zip file from the <INSTALL\_DIR> to  
\$J2EE\_HOME/applications/<product>/WebHelp.
2. Unzip the help.zip file:  
`unzip help.zip`

## Test the Oracle Retail ReIM Application

After the application installer completes you should have a working ReIM application installation. To launch the application, open a web browser and go to  
`http://host:httpport/contextroot/index.jsp`

---

**Example:** <http://myhost:7777/reim/index.jsp>

---



---

## Applying Source Code

If customizations have been made to ReIM, the 10.2.13 source code can be compiled and applied to the application. Compile the .java source code included on this CD, then, place the generated .class files into the appropriate directory locations.

Before applying the patch source files over existing code:

- Note whether customizations have been made to the module. If so, then the customizations must be reapplied to the new version of the module (or the fix may need to be applied to the custom version of the code).
- Back up the existing ReIM class files before copying over the 10.2.13 class files in order to refer to them at a later date if necessary.