

Oracle® Retail Invoice Matching
Installation Guide
Release 10.2.12

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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 10.2.12 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

Documentation should be available on this Web site within a month after a product release. Note that documentation is always available with the packaged code on the release date.

Conventions

Navigate: This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

Note: This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

This is a code sample
It is used to display examples of code

[A hyperlink appears like this.](#)

Database Server Installation Instructions

Before you apply the Invoice Matching patch:

- Make a backup of all your objects and database schema.
- Check that ReIM 10.2.11 is installed.
- Check that either RMS 10.1.20, RMS 10.2.6, or RMS 9.0.21 is installed.
- Review the enclosed Invoice Matching 10.2.12 Patch Release Notes (reim-10212-rn.pdf).
- Review each of the enclosed defect documents.

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 referenced at a later date.

Note: There are no database updates for this patch

Application Server Installation Instructions

Oracle Containers for J2EE and OC4J—UNIX (Sun Solaris / HP-UX / AIX)

Note: Normally, OC4J is installed in an existing Oracle 9iAS (9IAS_ORACLE_HOME) location. However, OC4J can be installed and run outside 9IAS_ORACLE_HOME. For this reason, ORACLE_HOME refers to the location where OC4J will be installed.

Copy and Unpack Install Files From CD-ROM

1. Copy the reim10212apppatch.zip file from the CD /appserverunix directory to a newly created staging directory on your UNIX server.

2. Unzip the file by entering the following:

```
unzip reim10212apppatch.zip
```

The directory structure will look like this:

```
<INSTALL_DIR>/
    reconfigure/
    reconfigure.sh
    reim.war
```

Configure OC4J and Deploy the ReIM War File into the Default OC4J Application

Notes:

J2EE_HOME refers to \$ORACLE_HOME/j2ee/home.

The variable <product> refers to the name of the ReIM war file, reim.war.

3. Edit reconfigure.sh to suit your environment.
 - a. Set JAVA_HOME to the JDK 1.3.x location on your server
 - b. Set REIM_BASE_DIR to a temporary staging directory for the reconfigured ReIM war file
 - c. Set REIM_WAR_FILE to the correct war file.

```
#!/bin/sh
## Environment
JAVA_HOME=/usr/j2se/bin/java
ANT_HOME=./reconfigure/ant
## ReIM specific
PATH=$ANT_HOME/bin:$PATH
REIM_WAR_FILE=reim.war
REIM_TEMP_DIR=/tmp/reim
REIM_BASE_DIR=/home /ReIM/
export REIM_WAR_FILE
export REIM_TEMP_DIR
export REIM_BASE_DIR
export JAVA_HOME
$ANT_HOME/bin/ant -verbose -buildfile reconfigure/reconfigure.xml
exit 0
```

4. Edit reconfigure/reconfigure.xml to suit your environment.

Note: Further explanation of these can be found in the operations guide.

```
<!-- change properties, these should be changed to
reflect YOUR install -->
<propertyfile file="{REIM_TEMP_DIR}/WEB-
INF/classes/com/retex/reim/reim.properties">
  <entry key="url"
value="jdbc:oracle:thin:@mspdev26:1522:rmsim8i" />
  <entry key="username" value="bimtst90user" />
  <entry key="password" value="retex" />
  <entry key="datasource" value="rms9"/>
  <entry key="logpath"
value="{REIM_BASE_DIR}/ReIMLogs/90tst"/>
  <entry key="batcherrorlogpath"
value="{REIM_BASE_DIR}/ReIMLogs/90tst"/>
  <entry key="batchlogpath"
value="{REIM_BASE_DIR}/ReIMLogs/90tst"/>
  <entry key="DATA_PATH"
value="{REIM_BASE_DIR}/ediDataFiles90"/>
  <entry key="schemaOwner" value="bimtst90"/>
  <entry key="beanDriver"
value="com.retex.reim.foundation.rms9." />
  <entry key="authentication_source" value="DATABASE"/>
</propertyfile>
```

5. Run reconfigure.sh. This expands the war file in the base directory.
6. Back up the following files at \$J2EE_HOME/config:
 - application.xml
 - http-web-site.xml
 - global-web-application.xml
7. Back up the following objects currently deployed in \$J2EE_HOME/applications:
 - reim.war
 - reim/
8. Copy the war file from REIM_BASE_DIR to \$J2EE_HOME/applications.
9. Modify application.xml by adding another web-module element for the REIM product deployment.

Example:

```
<web-module id="<product>" path="../applications/<product>.war" />
```

10. Modify http-web-site.xml by changing the listener port (if necessary), and by adding another web-app element for the product deployment.

Example:

```
<web-site port="8388" display-name=" Default Oracle9iAS Containers for J2EE
HTTP Web Site">
```

```
<web-app application="default" name="<product>" root="/<product>" />
```

Note: id in <web-module> and name in <web-app> must be the same value.

11. This step is optional. Modify global-web-application.xml to include a precompile parameter (in **bold** in the following example).

Example:

```
<servlet>
    <servlet-name>jsp</servlet-name>
    ...
    <init-param >
        <param-name>precompile_check</param-name>
        <param-value>true</param-value>
    </init-param>
    ...
</servlet>
```

Start/Stop/Load the Default OC4J Application

1. To start the default OC4J container, issue the following command in \$J2EE_HOME:

```
java -jar oc4j.jar &
```

“Oracle9iAS (9.0.3.0.0) Containers for J2EE initialized” (or similar) is displayed at the command line after successful startup.

2. To stop the default OC4J container, issue the following command in \$J2EE_HOME:

```
> java -jar admin.jar ormi:///<server_name>/ <admin_id> <admin_password> -
shutdown -force
```

Note: <server_name> is the name of the server or its IP address. <admin_id> and <admin_password> are the administration username and password supplied during the OC4J install.

Example:

```
java -jar admin.jar ormi:/retekdev10/ admin admin -shutdown -force
```

If the precompile parameter was set to true, load the following URL in a browser:

<http://<server>:<port>/<product>/precompile.jsp>

The JSP pages will now be precompiled: this avoids the first application user having to wait while each page is compiled by the JSP container. This operation should take approximately 5–10 minutes.

Example:

<http://server:8388/reim/precompile.jsp>

3. Load the new OC4J application by entering the following URL in a browser:

<http://<server>:<port>/<product>/>

- server = name or IP address of the web server OC4J is running on
- port = port number set in default-web-site.xml above
- product = value of root in the web-app element of default-web-site.xml above

Example:

<http://server:8388/reim/>

Oracle Containers for J2EE and OC4J—Windows NT / Windows 2000

Notes:

Normally, OC4J is installed in an existing Oracle 9iAS (%9IAS_ORACLE_HOME%) location. However, OC4J can be installed and run outside %9IAS_ORACLE_HOME%. For this reason, %ORACLE_HOME% refers to the location where OC4J will be installed.

JDK 1.3.x is a requirement for both OC4J and ReIM.

Copy and Unpack Install Files From CDROM

Mount the CD-ROM on your Windows NT/2000 application server.

1. Change directories to \appservernt.
2. Double-click on reim10212apppatch.exe.
3. When prompted, enter a staging directory to temporarily hold the patch code. The directory structure will look like this:

```
<INSTALL_DIR>\
    reconfigure\
    reconfigure.bat
    reim.war
```

Configure OC4J and Deploy the ReIM War File into the Default OC4J Application

Notes:

%J2EE_HOME% refers to %ORACLE_HOME%\j2ee\home.

The variable <product> refers to the name of the ReIM war file, reim.war.

1. Edit reconfigure.bat to suit your environment:
 - a. Set JAVA_HOME to the JDK 1.3.x location on your server.
 - b. Set REIM_BASE_DIR to a temporary staging directory for the reconfigured ReIM war file.
 - c. Set REIM_WAR_FILE to the correct war file.

Example:

```
## Environment
set JAVA_HOME=c:\jdk1.3.1_07
set ANT_HOME=.\reconfigure\ant
## ReIM specific
set PATH=%ANT_HOME%\bin;%PATH%
set REIM_WAR_FILE=reim.war
set REIM_TEMP_DIR=c:\tmp\reim
set REIM_BASE_DIR=c:\ReIMbase
%ANT_HOME%\bin\ant.bat -verbose -buildfile reconfigure/reconfigure.xml
```

2. Edit reconfigure\reconfigure.xml to suit your environment:

Note: Further explanation of these can be found in the operations guide.

```
<!-- change properties, these should be changed to
reflect YOUR install -->
<propertyfile file="{REIM_BASE_DIR}/WEB-INF/classes/com/retex/reim/reim.properties">
  <entry key="url"
    value="jdbc:oracle:thin:@mspdev26:1522:rmsim8i" />
  <entry key="username" value="bimtst90user" />
  <entry key="password" value="retex" />
  <entry key="datasource" value="rms9" />
  <entry key="logpath"
    value="{REIM_BASE_DIR}/ReIMLogs/90tst" />
  <entry key="batcherrorlogpath"
    value="{REIM_BASE_DIR}/ReIMLogs/90tst" />
  <entry key="batchlogpath"
    value="{REIM_BASE_DIR}/ReIMLogs/90tst" />
  <entry key="DATA_PATH"
    value="{REIM_BASE_DIR}/ediDataFiles90/" />
  <entry key="schemaOwner" value="bimtst90" />
  <entry key="beanDriver"
    value="com.retek.reim.foundation.rms9." />
  <entry key="authentication_source" value="DATABASE" />
</propertyfile>
```

3. Run reconfigure.bat. This expands the war file in the base directory.
4. Back up the following files at %J2EE_HOME%\config:
 - application.xml
 - http-web-site.xml
 - global-web-application.xml
5. Back up the following objects currently deployed in %J2EE_HOME%\applications:
 - reim.war
 - reim\

Note: This is the directory that was created when deploying the <product>.war file just backed up

6. Copy the war file from %REIM_BASE_DIR% to %J2EE_HOME%\applications.
7. Modify application.xml by adding another web-module element for the REIM product deployment.

Example:

```
<web-module id="<product>" path="../applications/<product>.war" />
```

8. Modify http-web-site.xml by changing the listener port (if necessary) and by adding another web-app element for the product deployment.

Example:

```
<web-site port="8388" display-name=" Default Oracle9iAS Containers for J2EE
HTTP Web Site">
```

```
<web-app application="default" name="<product>" root="/<product>" />
```

Note: id in <web-module> and name in <web-app> must be the same value.

9. This step is optional. Modify global-web-application.xml to include a precompile parameter (in bold in the example that follows).

Example:

```
<servlet>
    <servlet-name>jsp</servlet-name>
    ...
    <init-param >
        <param-name>precompile_check</param-name>
        <param-value>true</param-value>
    </init-param>
    ...
</servlet>
```

Start/Stop/Load the Default OC4J Application

1. To start the default OC4J container, issue the following command from an MS-DOS prompt in %J2EE_HOME%:
java -jar oc4j.jar &
"Oracle9iAS (9.0.3.0.0) Containers for J2EE initialized" (or similar) is displayed at the command line after successful startup.
2. To stop the default OC4J container, issue the following command from an MSDOS prompt in %J2EE_HOME%:
> java -jar admin.jar ormi:///<server_name>/ <admin_id> <admin_password> -shutdown -force

Note: <server_name> is the name of the server or its IP address. <admin_id> and <admin_password> are the administration username and password supplied during the OC4J install.

Example:

```
java -jar admin.jar ormi:/retekdev9/ admin admin -shutdown -force
```

3. If the precompile parameter was set to true, load the following url in a browser:

<http://<server>:<port>/<product>/precompile.jsp>

The JSP pages will now be precompiled; this avoids the first application user having to wait while each page is compiled by the JSP container. This operation should take approximately 5-10 minutes.

Example:

<http://server:8388/reim/precompile.jsp>

4. Load the new OC4J application by entering the following URL in a browser:

<http://<server>:<port>/<product>/>

- server = name or IP address of the web server OC4J is running on
- port = port number set in default-web-site.xml above
- product = value of root in the web-app element of default-web-site.xml above

Example:

<http://server:8388/reim/>

Applying Source Code

If customizations have been made to Invoice Matching, the 10.2.12 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 Invoice Matching class files before copying over the 10.2.12 class files, in case you need to refer to them at a later date.