

**Oracle[®] Retail Invoice Matching
Installation Guide
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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

You can find more information about this product in these resources:

- Oracle Retail Invoice Matching Release Notes
- Oracle Retail Invoice Matching Operations Guide Addendum
- Oracle Retail Invoice Matching Data Model

Customer Support

- <https://metalink.oracle.com>

When contacting Customer Support, please provide:

- Product version and program/module name.
- Functional and technical description of the problem (include business impact).
- Detailed step-by-step instructions to recreate.
- Exact error message received.
- Screen shots of each step you take.

Hardware and Software Requirements

Database Server

General requirements for a database server capable of running Invoice Match application include:

- UNIX based OS certified with Oracle RDBMS 9i Release 2 Enterprise Edition. Options include AIX 5.2, Solaris 9, and HP-UX 11.11.
- Oracle RDBMS 9i Release 2 Enterprise Edition.

Application Server

General requirements for an application server capable of running Invoice Match 11 application include:

- UNIX based OS certified with Oracle 10G Application Server (OC4J 9.0.4). Options include IBM AIX 5.2, Solaris 9, and HP-UX 11.11.
- Oracle 10G Application Server (OC4J 9.0.4)

Client PC and Web Browser Requirements

Client PC Requirements

- Operating system is Windows 2000 or XP
- Display resolution: 1024x768
- Processor; minimum 1GHz
- Memory; minimum of 512MBytes
- Networking; Intranet with at least 10Mbps data rate.
- Sun JRE 1.4.1 32 bit

Browser Requirements

- Microsoft Internet Explorer; version 5.5 or higher

Database Installation Instructions

This patch will overwrite existing code. Before applying the ReIM 11.0.8 patch:

- Ensure that ReIM 11.0.7 and RMS 11.0.8 are installed.
- Backup the database.
- Backup the ReIM software and note any existing custom code modifications made within the modules. 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).
- Review the enclosed ReIM 11.0.8 Patch Release Notes (reim-1108-rn.pdf).

Mount CD-ROM on the Database Server

1. Mount the CD-ROM on the database server.
2. Create a staging directory and copy the `reim1108dbpatch.zip` file from the CD `/dbserverunix` directory.
3. Logon to the database server.
4. Change directories to the staging directory.
5. Unzip the file by entering:
`unzip reim1108dbpatch.zip`

Note: These instructions refer to *reim11dev* as the ReIM Oracle schema owner.

Update Types

1. Change directories to `<staging area>/xml`
2. Using SQL*Plus, connect to the database as *reim11dev*.
3. Enter the following command:
`SQL> @patch1108xml.sql`
4. View the file `patch1108xml.log` when finished to verify that no errors were found.

Update DDL

1. Change directories to `<staging area>/dbcs`
2. Using SQL*Plus, connect to the database as *reim11dev*.
3. Enter the following command:
`SQL> @patch1108dbcs.sql`
4. View the file `patch1108dbcs.log` when finished to verify that no errors were found.

Update Database Objects

1. Change directories to <staging area>/db_objects
2. Using SQL*Plus, connect to the database as *reim11dev*.
3. Enter the following command:
`SQL> @patch1108reim.sql`
4. View the file `patch1108reim.log` when finished to verify that no errors were found.

Validate all Invalid Objects

1. Change directories to <staging area>/utility.
2. Using SQL*Plus, connect to the database as *reim11dev*. Enter the following command to re-compile invalid objects
`SQL> @inv_obj_comp.sql`
Run this script until all objects are valid. View the file `inv_obj_comp.log` to confirm that all objects have compiled successfully.

OC4J 10g Standalone Installation Instructions

UNIX (Sun Solaris/HPUX/AIX)

Note: ORACLE_HOME is the location where Oracle Containers for J2EE (OC4J) Standalone v9.0.4 is installed for Invoice Matching 11.0. OC4J 9.0.4 standalone is distributed in a zip file format (oc4j_extended.zip), and is available from the Oracle Technology Network (OTN) web site. While Invoice Matching 11 can be deployed to and run on OC4J 9.0.4 as bundled with other Oracle 10G Application Server, this installation guide lists the steps necessary to apply the Invoice Matching 11.0.8 patch to an existing Invoice Matching 11.0 application running in OC4J 9.0.4 Standalone. OC4J refers to OC4J 9.0.4 Standalone for the remainder of this installation guide. Additional information about OC4J may be obtained by consulting Oracle support.

Note: Java 2 version 1.4.1 is required to install and run Invoice Matching 11.X on OC4J.

Note: The reim.war file released with Invoice Matching 11.0.8 is a full Invoice Matching 11.0.8 application. It is recommended that the existing Invoice Matching 11.0 application be backed up prior to deploying the Invoice Matching 11.0.8 war file. The instructions that follow list steps for backing up an existing Invoice Matching 11.0 application in OC4J 9.0.4 Standalone and then for deploying the Invoice Matching 11.0.8 reim.war file in that same J2EE_HOME. For OC4J 9.0.4 Standalone installation instructions, refer to the Invoice Matching 11.0 installation guide (reim-11-ig.doc).

Copy and Extract Invoice Matching 11.0.8 Files From CDROM

1. Log into the application server as the retek user and determine where the Invoice Matching application file reim1108appserver.zip will be installed. There should be a minimum of 150 MB disk space available for the application installation files.
2. Copy the file reim1108appserver.zip from the CD/appserverunix directory to the newly created staging directory. This staging directory will be referred to as INSTALL_DIR for the remainder of this chapter.
3. Make sure the following variables are set for the retek user:
 - J2EE_HOME = ORACLE_HOME/j2ee/home
 - PATH = <Java 1.4.1 bin directory>:\$PATH
4. Change directories to the staging directory and extract the reim1108appserver.zip file.
 - > unzip reim1108appserver.zipThe following directories and files should now exist in INSTALL_DIR:
 - reim.war
 - src.zip (11.0.8 source only)
 - web.zip (11.0.8 files only)
 - unixbatchscripts
 - prop_files
5. Optional - back up the following file and directory (stop server before backing up, start server after back up complete):
 - J2EE_HOME/applications/reim.war
 - J2EE_HOME/applications/reim.war

Example: > mv reim.war reim_1107.war
> mv reim reim_1107

6. Copy the reim.war file from INSTALL_DIR to the J2EE_HOME/applications directory.
7. Ensure the correct JDBC driver file (classes12dms.jar) exists in ORACLE_HOME/jdbc/lib. This file should have been copied from DATABASE_ORACLE_HOME/jdbc/lib on the database server to ORACLE_HOME/jdbc/lib on the application server. This will ensure that the JDBC driver version matches the database version. This step will need to be repeated whenever the Oracle database is upgraded.

Start/Stop the Default OC4J Application

The OC4J container must be reloaded in order for reim.war to be extracted

1. Stop OC4J if it is running:
 > java -jar admin.jar ormi://<server>:<oc4j_ormi_port> admin <admin password> -shutdown -force

server = name or IP address of the server where OC4J is running

oc4j_ormi_port = port number in the rmi-server element of rmi.xml

admin_password = password supplied during the OC4J install

Example: > java -jar \$J2EE_HOME/admin.jar
 ormi://server:23791 admin admin -shutdown -force

2. Start OC4J:
 > java -jar \$J2EE_HOME/oc4j.jar &
 "Oracle Application Server Containers for J2EE 10g (9.0.4.0.0) initialized" prompt means the container has started

Edit the File reim.properties

1. Change directories to J2EE_HOME/applications/reim/WEB-INF/classes/com/retex/reim.
2. Edit the file reim.properties by changing the following parameters: username, batcherrorlogpath, logpath, schemaOwner, batchlogpath, url, DATA_PATH, password:

username = additional Oracle user with RMS permissions

batcherrorlogpath = path to log directory for error messages (this directory will need to be created)

logpath = path to log directory (this directory will need to be created)

schemaOwner = RMS/ReIM database schema owner

beanDriver =

com.retek.reim.foundation.rms11 for RMS 11
 com.retek.reim.foundation.rms10 for RMS 10.1
 com.retek.reim.foundation.rms10_2 for RMS10.2

datasource =

rms11 for RMS11
 rms10 for RMS10.1
 rms10_2 for RMS 10.2
 authentication_source = LDAP or DATABASE for Authentication.
 batchlogpath = path to log directory for batch (this directory will need to be created)
 url = jdbc\:oracle\:thin\:@db_server\:db_port\:db_sid

DATA_PATH = path to directory where batch scripts exist (this directory will need to be created)

language = language in which text will be displayed

country = locale in which currency, calendar, etc. will be displayed

password = username password or RMS/ReIM schema owner password

Example: username=rms11dev

batcherrorlogpath=/u00/oracle/batchlogerrors

logpath=/u00/oracle/logs

schemaOwner=rms11dev

beanDriver=com.retek.reim.foundation.rms11

datasource=rms11

authentication_source= DATABASE

batchlogpath=/u00/oracle/batchlog

url=jdbc\:oracle\:thin\:@dbserver\:1521\:prod_db1

username=rms11dev DATA_PATH=/u00/oracle/data

language=fr

country=FR

password=retex

Edit the file ReIMResources.properties

Note: These steps are only necessary if ReIM is installed in a language other than English. By default ReIM will display English text.

1. Change directories to J2EE_HOME/applications/reim/WEB-INF/classes/com/retex/reim/resources/.
 2. Create a backup copy of the existing ReIMResources.properties.
-

Example: cp ReIMResources.properties
ReIMResources_en_US.properties

3. Replace the ReIMResources.properties file with desired language properties file.
-

Example: cp ReIMResources_fr_FR.properties
ReIMResources.properties

Reload the Default OC4J Application

1. To stop OC4J, run the following command:

```
> java -jar $J2EE_HOME/admin.jar ormi://<server>:<oc4j_ormi_port> admin  

<admin password> -shutdown -force
```

server = name or IP address of the server where OC4J is running

oc4j_ormi_port = port number in the rmi-server element of rmi.xml

admin_password = password supplied during the OC4J install

Example: > java -jar \$J2EE_HOME/admin.jar
 ormi://server:23791 admin admin -shutdown - force

2. To start OC4J, run the following command:

```
> java -jar $J2EE_HOME/oc4j.jar &
```

” Oracle Application Server Containers for J2EE 10g (9.0.4.0.0) initialized” prompt means the container has started

Load ReIM 11 in a Browser

1. Load ReIM 11 running on OC4J by entering the following URL in a browser:

```
http://<server>:<port>/reim/index.jsp
```

server = name or IP address of the server where OC4J is running

port = port number set in http-web-site.xml above

Example: <http://server:8888/reim/index.jsp>

2. On the ReIM logon form, enter the appropriate Username/Password information in the corresponding fields:

Username = ADMIN (default ReIM 11 user)

Password = retek (default ReIM 11 user RETEK password)