

Retek® Invoice Matching™ 11.0.4

Installation Guide

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Chapter 1 – 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 AIX 5.2, Solaris 9, and HP-UX 11.11.
- IBM 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

Chapter 2 – Database Installation Instructions

Before you apply the ReIM 11.0.4 patch:

- Make a backup of all your objects and database schema.
- Check that ReIM 11.0.3 is installed.
- Check that RMS 11.0.4 is installed.
- Review the enclosed ReIM 11.0.4 Patch Release Notes (reim-1104-rn.pdf).



Note: These instructions refer to reim11dev as the Oracle owning schema.

Mount CD-ROM on the Database Server

1. Copy the `reim1104dbpatch.zip` file from the CD `/dbserverunix` directory to a newly created staging directory on your UNIX server.
2. Log in to UNIX.
3. Change directories to the staging directory.
4. Unzip the file by entering:

```
unzip reim1104dbpatch.zip
```

Update ddl

1. Log in to UNIX as the retek user.
2. Change directories to `<staging area>/dbcs`
3. Log in to SQLPLUS as the reim11dev.
4. Enter the following command:

```
SQL> @patch1104dbcs.sql
```
5. Verify that no errors were found.

Update data



Note: This section only needs to be run if you are running ReIM against RMS 10.

1. Log in to UNIX as the retek user.
2. Change directories to `<staging area>/sqlplus`
3. Log in to SQLPLUS as the reim11dev.
4. Enter the following command:

```
SQL> @patch1104ctl.sql
```
5. Verify that no errors were found.

Chapter 3 – 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 11.0.4 patch to an existing Invoice Matching 11 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 11.0.4 is a full Invoice Matching 11.0.4 application. It is recommended that the existing Invoice Matching 11.0 application be backed up prior to deploying the Invoice Matching 11.0.4 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 11.0.4 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 11.0.4 files from CDRom

1. Log into the application server as the retek user and determine where the Invoice Matching application file reim1104appserver.zip will be installed. There should be a minimum of 150 MB disk space available for the application installation files.
2. Copy the file reim1104appserver.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 reim1104appserver.zip file.

```
> unzip reim1104appserver.zip
```

The following directories and files should now exist in INSTALL_DIR:

- reim.war
- src.zip (11.0.4 source only)
- web.zip (11.0.4 files only)

- 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_1103.war
> mv reim reim_1103

- Copy the reim.war file from INSTALL_DIR to the J2EE_HOME/applications directory.
- 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

- 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

- 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

- Change directories to J2EE_HOME/applications/reim/WEB-INF/classes/com/retek/reim.
- 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 = retex (default ReIM 11 user RETEK password)