

# Retek<sup>®</sup> Invoice Matching<sup>™</sup>

**11.0**

## **Installation Guide**



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- Exact error message received.
- Screen shots of each step you take.

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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

## Create Staging Directory for REIM database files

- 1 Log into the UNIX server as retek user and determine where the REIM database files will be installed. There should be a minimum of 1MB disk space available for the database installation files.
- 2 Copy the reim11dbserver.zip file from the CD/dbserverunix directory to the newly created staging directory. This will be referred to as INSTALL\_DIR for the remainder of this chapter.
- 3 Change directories to INSTALL\_DIR and extract the reim11dbserver.zip file.

## Create REIM tables



**Note:** All ReIM database objects should be installed using the RMS 11 schema.



**Note:** Although RMS 10.1 code is included in this release, ReIM 11.0 is only supported with RMS 11.0. A future release of REIM will be available for installation against RMS 10.x.

- 1 Change directories to INSTALL\_DIR/ddl
- 2 Log into sqlplus as the RMS11 schema owner and run the following command:  

```
SQL> @reim11.sql
```
- 3 Check the log file reim11.log for any errors.

## Create REIM database objects

- 1 Change directories to INSTALL\_DIR/db\_objects/rms11.
- 2 Log into sqlplus as the RMS 11 schema owner and run the following command:  

```
SQL> @reim11dbo11.sql
```
- 3 Check the log file reim11dbo11.log for any errors.

## Validate all invalid objects

- 1 Change directories to INSTALL\_DIR/utility.
- 2 Log into sqlplus as the RMS 11 schema owner and run the following command:  

```
SQL> @inv_obj_comp.sql
```

This script may need to be run more than once. Run the script until no more invalid objects remain.

### Create REIM data

- 1 Change directories to `INSTALL_DIR/sqlplus`.
- 2 Log into sqlplus as the RMS 11 schema owner and run the following command:  
`SQL> @reim11ctl.sql`
- 3 Check the log file `reim11ctl.log` for any errors.

### Create REIM demo data



**Note:** The data in question below is RMS demo or production data not foundation data. More specifically it is data in the TERMS table in RMS or the any of the INVC tables in RMS that have data that should not be deleted. If production or demo data exists, go to step 2. Otherwise proceed to step 4.

- 1 Change directories to `INSTALL_DIR/sqlplus`.
- 2 Log into sqlplus as the RMS 11 schema owner and run the following command if the RMS database you are installing against has data in it:  
`SQL> @reim11dd_wrms.sql`
- 3 Check the log file `reim11dd_wrms.log` for any errors.
- 4 If the RMS database does not have data in it run the following command:  
`SQL> @reim11dd_worms.sql`
- 5 Check the log file `reim11dd_worms.log` for any errors.

# Chapter 3 – OC4J 10g Standalone Installation Instructions

## UNIX (Sun Solaris/HPUX/AIX)



**Note:** OC4J\_HOME is the location where Oracle Containers for J2EE (OC4J) Standalone v9.0.4 will be installed. 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 Match 11 can be deployed to and run on OC4J 9.0.4 as bundled with other Oracle 10G Application Servers, this installation guide lists the basic install/deployment information for 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 Match 11 on OC4J.

### Install OC4J 9.0.4 Standalone

- 1 Log into the UNIX server as the retek user and determine where OC4J is to be installed. Set the ORACLE\_HOME environment variable to this location.
- 2 Copy oc4j\_extended.zip to ORACLE\_HOME.
- 3 Change directories to ORACLE\_HOME and unzip oc4j\_extended.zip.
- 4 Change directories to ORACLE\_HOME/j2ee/home.
- 5 Set the J2EE\_HOME environment variable to ORACLE\_HOME/j2ee/home.
- 6 Change directories to J2EE\_HOME.
- 7 Install OC4J by executing running the OC4J install command.



**Example:** > java -jar oc4j.jar -install



**Note:** The OC4J installation auto-deploys a number of applications and then prompts for an admin password, which is used for the administration console command-line tool. Record the admin password entered at the prompt, as it will be needed for Administering OC4J.

- 8 Update the JDBC driver that is distributed with OC4J by copying the classes12dms.zip from DATABASE\_ORACLE\_HOME/jdbc/lib on the database server to J2EE/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.

### Configure OC4J for ReIM 11 and deploy reim.war

- 1 Log into the application server as the retek user created in Chapter 2 and determine where the ReIM application file reim11appserver.zip will be installed. There should be a minimum of 150 MB disk space available for the application installation files.
- 2 Copy the file reim11appserver.zip from the CD/appserverunix directory to the newly created staging directory. This will be referred to as INSTALL\_DIR for the remainder of this chapter.
- 3 Change directories to the staging directory and extract the reim11appserver.zip file.

```
> unzip reim11appserver.zip
```

The following files should now exist in INSTALL\_DIR:

ant.zip

batchscripts.tar

help.zip

reim.war

src.zip

web.zip

- 4 Copy the reim.war file from INSTALL\_DIR to the J2EE\_HOME/applications directory.
- 5 Backup the following files at J2EE\_HOME/config:  
http-web-site.xml  
application.xml
- 6 Edit application.xml by adding another web-module tag for the new ReIM 11 application.



**Example:** <web-module id="reim" path="../applications/reim.war" />

- 7 Edit http-web-site.xml by adding another web-app tag for the new application.



**Example:** <web-app application="default" name="reim" root="/reim" />

### 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
  - 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)
  - password = username password or RMS/ReIM schema owner password



**Example:** username=rms11dev

batcherrorlogpath=/u00/oracle/batchlogerrors

logpath=/u00/oracle/logs

schemaOwner=rms11dev


batchlogpath=/u00/oracle/batchlog

url=jdbc\:oracle\:thin\:@dbserver\:1521\:prod\_db1 username=rms11dev


DATA\_PATH=/u00/oracle/data

password=retex

### 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 default-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)

### Configure ReIM 11 Batch Scripts

- 1 As the retek user, change directories to J2EE\_HOME and create a batchscripts directory.
- 2 Copy the file batchcripts.tar from INSTALL\_DIR to J2EE\_HOME/batchscripts.
- 3 Extract the file J2EE\_HOME/batchscripts/batchscripts.tar  
J2EE\_HOME/batchcripts> tar xvf batchscripts.tar

The resulting directory structure should contain the following files and symbolic links:

```
J2EE_HOME/batchscripts/generic
    /reimautomatch -> generic
    /reimcomplexdealupload -> generic
    /reimdiscrepancypurge -> generic
    /reimediinvdownload -> generic
    /reimediinvupload -> generic
    /reimfixeddealupload -> generic
    /reimposting -> generic
    /reimpurge -> generic
    /reimreceiptwriteoff -> generic
    /reimrollup -> generic
    /reimtermranking -> generic
```

- 4 The script J2EE\_HOME/batchscripts/generic is the master script; all other files are symbolic links to generic. 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, edit the following parameters in generic:
  - REIMHOME = application directory created during deployment
  - JAVA\_HOME = Java 1.4.1 location on the server



**Example:** REIMHOME=J2EE\_HOME/applications/reim  
JAVA\_HOME=/usr/java

### Configure ReIM 11 Help Files

- 1 As the retek user, copy INSTALL\_DIR/help.zip to J2EE\_HOME/applications/reim/WebHelp.
- 2 Change directories to J2EE\_HOME/applications/reim/WebHelp and extract help.zip.  
J2EE\_HOME/applications/reim/WebHelp> unzip help.zip