

Retek® Price Management 10.0



Installation Guide



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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.

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Chapter 1 – Hardware and software requirements

Before you install any Retek Retail Solutions product, you need to make sure that your information systems can adequately run the software that you are installing, as well as process the amount of data that you expect to manage. This section lists the suggested hardware and software requirements for Retek Price Management products. The following are suggested hardware and software requirements:

Supported Media – Retek Price Management is available on CD-ROM only. Tape is not available.

Database Server – database software requirements.

Application Server – including operating system software and development tools, and a list of hardware choices.

Web Browser – including the requirements that a Web browser must meet and a list of Web browsers and versions from which you can choose. It is important that you choose to install operating system and Web browser version combinations on your users' computers that can run Oracle's JInitiator. JInitiator is the Java runtime environment necessary for viewing and interacting with Retek's Web-enabled products. The following table lists acceptable operating system versions and Web browser versions.

	Database Server	Application Server	Client
Vendor	Oracle RDBMS 9I – Enterprise Edition	Oracle Container for J2EE (OC4J) 1.0.2.X	Web Browser (IE 5.0+)
Retek (Price Management 10.0)	DDL (Views, Triggers, Tables etc.) Data Scripts	Java War file	

Because you need to choose hardware that has sufficient random access memory (RAM) and program and data storage capacity for the products you choose, each section lists criteria you can use to “size” your hardware selections. The totals you discover after factoring in sizing issues are approximate.

Retek Price Management system

Database server

General Requirements for a database server capable of running Price Management include:

- Unix (or Unix variant) based OS certified with Oracle 9i
- Oracle RDBMS 9i Enterprise Edition
- Oracle Partitioning
- Oracle Net services

Hardware/OS Options as used for development (see Oracle's Website for certified platforms):

- Sun/Solaris 2.8
- IBM/AIX 4.3.3.x
- Hewlett Packard/HP UX 11.I

Note: Oracle bug #2200335 regarding table inserts is resolved with patch #1970629, Sun Platform only.

Application server

General Requirements for an application server capable of running Price Management include:

- UNIX (or UNIX variant) Or Windows NT or Windows 2000 server
- Oracle Container for J2EE
- x-Windows interface (only if UNIX OS)

Sizing Factors and Other Suggestions to factor into your selection of an application server include:

- CD-ROM drive
- 1 Gbit network adapter
- ~1 GB Free disk space for RPM War file and java source code

Hardware/OS Options as used for development:

- Sun/Solaris 2.6, 2.7, 2.8
- IBM/AIX 4.3.3 or AIX 5.1
- Hewlett Packard/HP UX 11.0 or 11.11

Web browser and client requirements

General requirements for client capable of running Price Management include:

Client PCs

- Pentium Processor
- Use Windows 98, 2000, XP or NT 4.0 with service pack 5 or higher
- Have the resolution set to 1024x768 pixels

Sizing factors and other suggestions to factor into your selection of a PC or network configuration include:

- Bandwidth/Speed
- PC Configuration (minimum 64 MB RAM, 200MHZ processor)

Browser options to factor into your selection include:

- Internet Explorer 5.0 or higher

Chapter 2 – Database server installation instructions

Follow these steps to install the database server component of the Price Management 10.0 software.

Getting started

UNIX user account

The Unix user that RPM will use to install and compile the Retek Price Management 10.0 Database Server and Application Server objects on UNIX systems is the same as the one used for RMS 10.1. Through this install guide we will refer to this user as retek.

Copy and unpack install files from CDROM

- 1 Log into the UNIX system that will house the database.
- 2 Create a directory for the install files. This directory will be referred to as <INSTALL_DIR> for the remainder of this document.
- 3 Copy the dbserverunix.Z file from the CDROM mount point to the <INSTALL_DIR>.
- 4 Once the copy is complete, uncompress and untar the file to create the install directory structure:

```
UNIX> mkdir <INSTALL_DIR>
UNIX> cp <CDROM>/dbserverunix.Z <INSTALL_DIR>
UNIX> cd <INSTALL_DIR>
UNIX> uncompress dbserverunix.Z
UNIX> tar xvf dbserverunix.tar
```

The directory structure will look like this:

```
<INSTALL_DIR>/
    dbcs/
    sqlplus/
    utility/
```

- 5 The tar file may not retain the permissions settings they had when leaving Retek, so verify that the source code is protected by altering the permissions with the chmod command. Keep in mind there will be some directories that need to be written to during this install process.
- 6 Verify that all files are owned by retek and that the retek user belongs to the dba group. Make ownership and group changes if necessary.

Create RPM database objects

- 1 Change directories to the <INSTALL_DIR>/dbcs
- 2 Log in the RMS 10.1 database as rmsdev10
- 3 Execute the following command

```
SQLPLUS> @rpm10dbc.sql
```
- 4 View the spool file rpm10dbc.log when finished to verify that no errors were found.

Populate RPM data

- 1 Change directories to the <INSTALL_DIR>/dbcs
- 2 Log in the RMS 10.1 database as rmsdev10
- 3 Execute the following command

```
SQLPLUS> @rpm10.sql
```
- 4 View the spool file rpm10.log when finished to verify that no errors were found.

Compile any invalid objects

- 1 Change directories to <INSTALL_DIR>/utility.
- 2 SQLPLUS into the RMS 10.1 database as rmsdev10.
- 3 Run the inv_obj_comp.sql script:

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

Chapter 3 – Application server installation instructions

Oracle containers for J2EE – OC4J

UNIX (Sun Solaris/HPUX/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.

Note: JDK 1.3. is a requirement for both OC4J and RPM

Install and configure OC4J

Note: OC4J is distributed in a ZIP file format -> oc4j.zip. This zip file can be obtained from the Oracle Technology Network web site in several release versions (1.0.2.x – 9.0.2). Basic install/deployment information for version 1.0.2.x is given below. Additional information about OC4J may be obtained by consulting Oracle support.

- 1 Copy oc4j.zip to \$ORACLE_HOME
- 2 Extract oc4j.zip
- 3 Change directories to \$ORACLE_HOME/j2ee/home
> cd \$ORACLE_HOME/j2ee/home
- 4 Install OC4J
> java -jar orion.jar -install

Note: The OC4J installation auto-deploys a number of applications and then prompts for an administration username and password, which is used for the administration console command-line tool.

Copy and unpack install files from CDROM

- 1 Log into the UNIX system that will house the application server.
- 2 Create a directory for the install files. This directory will be referred to as `<INSTALL_DIR>` for the remainder of this document.
- 3 Copy the `appserverunix.Z` file from the CDROM mount point to the `<INSTALL_DIR>`.
- 4 Once the copy is complete, uncompress and untar the file to create the install directory structure:

```
UNIX> mkdir <INSTALL_DIR>
UNIX> cp <CDROM>/appserverunix.Z <INSTALL_DIR>
UNIX> cd <INSTALL_DIR>
UNIX> uncompress appserverunix.Z
UNIX> tar xvf appserverunix
```

The directory structure will look like this:

```
<INSTALL_DIR>/
    etc/
    javadoc/
    src/
    web/
    rpm.war
```

- 5 The tarfile may not retain the permissions settings they had when leaving Retek, so verify that the source code is protected by altering the permissions with the `chmod` command. Keep in mind there will be some directories that need to be written to during this install process.
- 6 Verify that all files are owned by `retek` and that user `retek` belongs to the `dba` group. Make any ownership and group changes if necessary.

Deploy a J2EE War file into the Default OC4J Application

Note: J2EE_HOME refers to \$ORACLE_HOME/j2ee/home.

Note: The variable <product> refers to the name of the .war file

- 1 Copy the rpm.war file from <INSTALL_DIR>/ to \$J2EE_home/applications.
- 2 Backup the following files at \$J2EE_HOME/config
 - application.xml
 - default-web-site.xml
- 3 Modify **application.xml** by adding another web-module element for a new product deployment

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

- 4 Modify **default-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 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.

Start/Stop/Load the default OC4J application

- 1 To start the default OC4J container:


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

“Oracle9iAS (1.0.2.2.1) Containers for J2EE initialized” is displayed at the command line after successful startup.
- 2 To stop the default OC4J container, issue the following command:


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

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

Edit the file db.properties

- 1 Change directories to \$J2EE_HOME/applications/rpm/WEB-INF/classes/com/rettek/rpm/util/conf
- 2 Edit db.properties; the values to be changed are:

```
rms.url=jdbc:oracle:thin:@<database server>:port:<database sid>
rms.user=<rms schema owner>
rms.password=<rms schema password>
```

 - Database server = machine name of server where the database resides
 - port = Oracle database port
 - database sid = Oracle database sid name
 - rms schema owner = name of the RMS 10.1 database schema
 - rms schema password = RMS 10.1 database schema password

Start/Stop/Load the default OC4J application

- 1 To start the default OC4J container:

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

“Oracle9iAS (1.0.2.2.1) Containers for J2EE initialized” appears at the command line after successful startup
- 2 To stop the default OC4J container, issue the following command:

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

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

- 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