

# **IBM Rational Portfolio Manager Version 6.1.0.0 for Oracle Migration Guide**

Revision: 1.0  
Last Revision: 01.24.2005

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## SCOPE

This document outlines the steps to migrate IBM Rational Portfolio Manager Database (Oracle for Windows) from Version 6.0.0.0 or 6.0.0.1 to version 6.1.0.0

## AUDIENCE

This document is intended for Database Administrators, Application Servers administrators and/or responsible for the installation and configuration of IBM Rational Portfolio Manager server environment.

## PRE-MIGRATION STEPS

Before you proceed you need to backup the IBM Rational Portfolio Manager database. Make sure that total recovery of the database is possible from this backup. All database migration instructions listed bellow must be done by the instance owner and the user used to connect to the database from the web server.

Note:

If the user used to connect from the web application is different from the instance owner then you should set the database schema to the name of the connected user

## PRE-REQUISITES

- A successful RPM Version 6.0.0.0 or 6.0.0.1 installation;
- IBM Rational Portfolio Manager Version 6.1.0.0 Release Package;

## INSTRUCTIONS

1- Stop the web application and Alert server associated with the IBM Rational Portfolio Manager database.

2- Stop and start the Oracle instance in which the IBM Rational Portfolio Manager database is created in:

**Example if you are using the pfile:**

```
telnet host (or ssh)
```

```
oraUser@sunsys% sqlplus /nolog
```

```
SQL> connect sys/sysadmin as sysdba
```

```
SQL> shutdown abort
```

```
SQL> startup pfile=${ORACLE_BASE}/admin/PMOFFICE/pfile/initPMOFFICE.ora
```

## Migration Procedure

### Scope

- Migration of the database schema.
- Rebuild and bind the database server code
- Load RUP Templates
- Copy Rational Portfolio Manager client installers to the Webserver.
- Update Middleware settings.

### Steps:

1. Open a shell window and perform the following:
2. Go to `${PATH_TO_MIGPACKAGE}/Database/Oracle`
3. Open `migowner1.sh` for editing and set `oracle_sid` to the right value.
4. Open `migowner2.sh` for editing and set `oracle_sid` to the right value.
5. Open `migowner3.sh` for editing and set `oracle_sid` to the right value.
6. Open `step1.sql` for editing and replace the word `owner` with `ibmrpm schema owner` and replace the word `ownerpass` with `ibmrpm schema owner password`.
7. Open `step2.sql` for editing and replace the word `owner` with `ibmrpm schema owner` and replace the word `ownerpass` with `ibmrpm schema owner password`.
8. Open `step3.sql` for editing and replace the word `owner` with `ibmrpm schema owner` and replace the word `ownerpass` with `ibmrpm schema owner password`.
9. Open `step4.sql` for editing and replace the word `owner` with `ibmrpm schema owner` and replace the word `ownerpass` with `ibmrpm schema owner password`.

10. Open step5.sql for editing and replace the word owner with ibmrpm schema owner and replace the word ownerpass with ibmrpm schema owner password.
11. If your tablespace names are different from what we have recommended during installation, edit the file step3.sql and replace the tablespace names with your own tablespace names  
(The tablespace names provided in this file are the ones recommended and provided by IBM at installation time).
12. Make sure migowner1.sh, migowner2.sh and migowner3.sh have Execute right.
13. Run migowner1.sh
14. Check the logs (step1.log, step2.log) created in logs folder to make sure the migration has been successful.
15. If the migration has been successful so far, run migowner2.sh.
16. Check the logs (step3.log, step4.log) created in logs folder to make sure the migration has been successful so far.

### **Loading the RUP Templates:**

17. If the migration has been successful so far, and in order to add RUP contents to RPM, use Oracle import utility to load rupTemplates.dmp:

```
imp owner/ownerpass@DBNAME tables=% file=rupTemplates.dmp  
log=rupTemplates.log
```

#### **Where**

owner: is IBMRPM schema owner

ownerpass: is IBMRPM schema owner's password

18. If the import is successfully, run migowner3.sh.  
Make sure the logs are ok (logs/rup.log).
19. If you are using the connected user, then you need to run migConUser.bat and enter the required information when you are prompted to.
20. Copy the Leveling code (shared Library):  
Open a shell window, Go to  
\${MIGPACKAGE\_HOME}/Database/Oracle/leveling  
And run:  
**cp sun/pmoffice.so \${ORACLE\_HOME}/bin**  
**or**  
**cp hp/pmoffice.sl \${ORACLE\_HOME}/bin** (if you are running oracle under HP-UX)

**Copying RPM Client installers to the WebServer:**

21. Copy client installers from the `${PATH_TO_FULL_61_PACKAGE }/Clients` to `${BMRPM_WAR_HOME}/client_installer` of the WebServer.

**Example:**

```
cd ${Path_To_Full_61_PACKAGE}/clients
copy *.exe ${IBMRPM_WAR_HOME}/client_installer/
copy *.msi ${IBMRPM_WAR_HOME}/client_installer/
```

**Update PMOVersion.xml of the RPM Application Server:**

22. Replace PMOVERSION.xml located under `${IBMRPM_WAR_PATH}/WEB-INF/classes` with the one provided in the migration package

**Example:**

```
cd ${Path_To_MIGPACKAGE}/WebServer
copy PMOVersion.xml ${IBMRPM_WAR_HOME}/WEB-INF/classes/
```

**Replace the com folder of RPM Application Server:**

23. For migrations coming from 6.0.0.0, it is mandatory to replace the com folder located under `${IBMRPM_WAR_HOME}/WEB-INF/classes` with the one provided in the migration package.

**Example:**

```
cd ${MIGPACKAGE_HOME}/WebServer
edit & save com/Systemcorp/servutil/jdbc/ConnectionPool.ini
cp com ${IBMRPM_WAR_HOME}/WEB-INF/classes/
```

## TERMS & GLOSSARY

Variables	Description	Example
IBMRPM	IBM Rational Portfolio Manager	
ORACLE_BASE	Your Oracle Base Directory	/apps/oracle
ORACLE_HOME	Your Oracle Home Directory	/apps/oracle/ora92
WAS_HOME	Your Application Server Home Directory	/apps/websphere/AppServer
ORAUSER_HOME	Oracle user (must belong to dba group)	/export/home/oraUser
FULL_6.1_PACKAGE_HOME	Path to RPM 6.1 Release Package	\${ORAUSER_HOME}/Release/RPM6100
MIGPACKAGE_HOME	Path to the migration directory	\${ORAUSER_HOME}/Migration/RPM6100
IBMRPM_EAR_HOME	Path to IBMRPM Enterprise Application	\${WAS_HOME}/InstalledApps/IBMRPM60.ear
IBMRPM_WAR_HOME	Path to IBMRPM WEB Application	\${IBMRPM_EAR_HOME}/IBMRPM60.war