

# **IBM Rational Portfolio Manager Version 6.0.0.2 for Oracle Migration Guide**

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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.x to version 6.0.0.2

**Note:** RPM migration procedures use an incremental approach. For instance, if you are running version 6.0.0.x you need to proceed with the following:

- First migrate RPM to 6.0.0.1 (Please refer to RPM 6001 migration package for instructions)
- Use the current Migration Package to bring RPM 6.0.0.1 to 6.0.0.2

## 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 installation of RPM Version 6.0.0.1;

## 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

### *Scenario I*

Upgrade the Database server and Client code to 6.0.0.2 version. This basically will promote both client and server code, thus fixing both client and database issues.

## Migration Procedure

### Scope

- Migration of the database schema.
- Recompile invalid objects
- Copy/Move RPM client installers to the Webserver.
- Update Middleware settings.

### Steps:

1. Open a terminal shell window and perform the following:
2. Go to \${MIGPACKAGE\_HOME}/Database/Oracle
3. Open migowner1.sh for editing and set ORACLE\_SID.
4. Open step1.sql for editing and replace the word owner with IBM Rational Portfolio Manager schema owner and replace the word ownerpass with the schema's owner password.
5. Open update\_settings.sql for editing and replace the word owner with IBM Rational Portfolio Manager schema owner and replace the word ownerpass with the schema's owner password.
6. Run migowner1.sh

7. Compile all invalid objects. Recompile.sql script is provide and is located under  
`${MIGPACKAGE_HOME}/Database/Oracle/utls`
8. If you are using a connected user then you should run `migConUser.sh` and enter the required information when you are prompted.
9. Output logs are created under Logs directory; make sure the latter are error-free.
10. Copy client installers from the `${MIGPACKAGE_HOME}/Clients` to `${RPM_ApplicationServer_Home}/client_installers`.

**Example:**

```
oraUser@sunsys% cd ${MIGPACKAGE_HOME}/Clients
cp *.* ${IBMRPM_WAR_HOME}/client_installer/
```

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

**Example:**

```
oraUser@sunsys% cd ${MIGPACKAGE_HOME}/WebServer
cp PMOVersion.xml ${IBMRPM_WAR_HOME}/WEB-INF/classes/
```

## Scenario 2

Promote the server only. This option does not involve the client upgrade.

## Migration Procedure

### Scope:

- Migration of the database schema.
- Recompile the database server code (Stored Procedure, Functions and Packages)
- Update Middleware Settings.

### Steps:

1. Open a terminal shell window and perform the following:
2. Go to `${MIGPACKAGE_HOME}/Database/Oracle`
3. Open `migowner2.sh` for editing and set `ORACLE_SID`.
4. Open `step1.sql` for editing and replace the word owner with IBM Rational Portfolio Manager schema owner and replace the word ownerpass with the schema's owner password.
5. Open `step2.sql` for editing and replace the word owner with IBM Rational Portfolio Manager schema owner and replace the word ownerpass with the schema's owner password.
6. Run `migowner2.sh`
7. Compile all invalid objects. recompile.sql script is provide and is located under  
`${MIGPACKAGE_HOME}/Database/Oracle/utls`

8. If you are using a connected user then you should run `migConUser.sh` and enter the required information when you are prompted.
9. Output logs are created under Logs directory; make sure the latter are error-free.
10. Replace `PMOVersion.xml` located under `${IBMRPM_WAR_PATH}/WEB-INF/classes` with the one provided in the migration package  
**Example:**  
`oraUser@sunsys% cd ${MIGPACKAGE_HOME}/WebServer`  
`cp PMOVersion.xml ${IBMRPM_WAR_HOME}/WEB-INF/classes/`

### Scenario 3

Upgrade Client only. This option promotes the client to build 6.1.2.0 and leaves the database code unchanged.

### Migration Procedure

#### Scope:

- Update the database settings.
- Copy new Client

#### Steps:

11. Open a terminal shell window and perform the following:
12. Go to `${MIGPACKAGE_HOME}/Database/Oracle`
13. Open `migowner3.sh` for editing and set `ORACLE_SID`.
14. Open `step1.sql` for editing and replace the word owner with IBM Rational Portfolio Manager schema owner and replace the word ownerpass with the schema's owner password.
15. Open `update_settings.sql` for editing and replace the word owner with IBM Rational Portfolio Manager schema owner and replace the word ownerpass with the schema's owner password.
16. Run `migowner3.sh`
17. Output logs are created under logs directory; make sure the latter are error-free.
18. Copy client installers from the `${MIGPACKAGE_HOME}/Clients` to `${RPM_ApplicationServer_Home}/client_installers`.

#### **Example:**

Go to Start → Run → Cmd <Enter>  
 Cd `${MIGPACKAGE_HOME}/Clients`

```
Copy *.* ${IBMRPM_WAR_HOME}/client_installer/
```

## 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
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