IBM Rational Portfolio Manager Version 6.0.0.2 DB2 for AIX Migration Guide

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SCOPE

This document outlines the steps to migrate IBM Rational Portfolio Manager Database from Version 6.0.0.x to 6.0.0.2

FOR CLIENTS WHO STILL HAVE RPM VERSION 6.0.0.0, PLEASE REFER TO IBM RPM VERSION 6001 FOR DB2 MIGRATION GUIDE AND PERFORM SCENARIO 3 BEFORE MIGRATING TO RPM VERSION 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.

INSTRUCTIONS

There are 3 options from migration from RPM version 6.0.0.0/6.0.0.1 to RPM version 6.0.0.2:
    1   UPGRADE RPM DB AND CLIENT
    2   UPGRADE RPM DB ONLY
    3   UPGRADE RPM CLIENT ONLY

OPTION 1: UPGRADE RPM DB AND CLIENT

1- Stop the web application , the Alert server associated with the RPM database.

2- Open a shell window under RPM Database instance owner and perform the following:
Stop and start the DB2 instance in which the RPM database is created in. Run:

  db2 force applications all
  db2stop force
  ipclean (if needed)
  db2start

3- Copy RPM installer files from the ${MIGPACKAGE_HOME}/Clients to ${IBMRPM_WAR_HOME}/client_installer of the WebServer.

```
Example:
cd ${MIGPACKAGE_HOME}/Clients
cp *.* ${IBMRPM_WAR_HOME}/client_installer/
```

- ${MIGPACKAGE_HOME} is the directory where the migration package was extracted
- ${IBMRPM_WAR_HOME} is the directory of web server application where the client installer files are

4- Open update_settings_6001_6002.sql for editing, replace DBNAME with the name of RPM Database Name, USERNAME with the instance owner's userName, USERPSSWD with its password and DBSCHEMA to the schema of the database under which the tables were created.
    Then run:
      db2 -tvf update_settings_6001_6002.sql **-z** update_settings_6001_6002.out

      Check for SQLSTATE, if no error move to next step

5-Open createsp.sql for editing, replace DBNAME with the name of RPM Database Name, USERNAME with the instance owner's userName, USERPSSWD with its password.

> Then run:
> **`db2 -tvf` createsp.sql `-z` createsp.out**
>
> Check for SQLSTATE, if no error move to next step(there may be errors in dropping some of the new Sp that don't exist in RPM V6000 or V6001, but that's ok you can continue to the next step)

6- Open bnd_lst.sql for editing replace DBNAME with the name of RPM Database Name, USERNAME with the instance owner's userName, USERPSSWD with its password and DBSCHEMA to the db schema you are running against.
> Build RPM database by following the steps below:
>> i. Execute initialize:
>>> 1. You have to be root user and you have to create pmoffice directory at the root and copy initialize from ${MIGPACKAGE_HOME}/Database/DB2/migration directory into that directory
>>> 2. You have to give execute rights to the file before you can execute.Run:
>>>
>>> chmod 775 initialize
>>
>> ii.　　　　Run: **db2 -tvf** bnd_lst.sql -z bnd_lst.out
>>
>> Check for SQLSTATE, if no error move to step iii
>>
>> iii.　　　RUN:
>> chmod 775 $INSTHOME/sqllib/function
>> chmod 775 $INSTHOME/sqllib/function/unfenced
>>
>> Copy pmoffice.a into $INSTHOME/sqllib/function directory and into $INSTHOME/sqllib/function/unfenced/ directory.

7- GO to ${IBMRPM_WAR_HOME}/WEB-INF/classes of the WebServer, open PMOVERSION.xml for editing, replace version number to 6.0.0.2.

8- Start the web application , the Alert server associated with the RPM database.

OPTION 2: UPGRADE RPM DB ONLY

1- Stop the web application , the Alert server associated with the RPM database.

2- Open a shell window under RPM Database instance owner and perform the following:
Stop and start the DB2 instance in which the RPM database is created in. Run:

  db2 force applications all
  db2stop force
  db2start

3-Open createsp.sql for editing, replace DBNAME with the name of RPM Database
Name, USERNAME with the instance owner's userName, USERPSSWD with its
password .

      Then run:
      `db2 -tvf` createsp.sql `-z` createsp.out

      Check for SQLSTATE, if no error move to next step(there may be errors in
      dropping some of the new Sp that don't exist in RPM V6000 or V6001, but
      that's ok you can continue to the next step)

4- Open bnd_lst.sql for editing replace DBNAME with the name of RPM Database
Name, USERNAME with the instance owner's userName, USERPSSWD with its
password and DBSCHEMA to the db schema you are running against.
      Build RPM database by following the steps below:
            iv.   Execute initialize:
                1. You have to be root user and you have to create pmoffice
                     directory at the root and copy initialize from
                     ${MIGPACKAGE_HOME}/Database/DB2/migration
                     directory into that directory
                2. You have to give execute rights to the file before you can
                     execute.Run:

                  chmod 775 initialize

            v.   Run: **db2 -tvf** bnd_lst.sql -z bnd_lst.out

            Check for SQLSTATE, if no error move to step iii

            vi.   RUN:
            chmod 775 $INSTHOME/sqllib/function
            chmod 775 $INSTHOME/sqllib/function/unfenced

            Copy pmoffice.a into $INSTHOME/sqllib/function directory and
            into $INSTHOME/sqllib/function/unfenced/ directory.

5- GO to ${IBMRPM_WAR_HOME}/WEB-INF/classes of the WebServer, open PMOVERSION.xml for editing, replace version number to 6.0.0.2.

6- Start the web application , the Alert server associated with the RPM database.

OPTION 3: UPGRADE RPM CLIENT ONLY

1- Stop the web application , the Alert server associated with the RPM database.

2- Copy RPM installer files from the ${MIGPACKAGE_HOME}/Clients to ${IBMRPM_WAR_HOME}/client_installer of the WebServer.

```
Example:
cd ${MIGPACKAGE_HOME}/Clients
cp *.* ${IBMRPM_WAR_HOME}/client_installer/
```

- ${MIGPACKAGE_HOME} is the directory where the migration package was extracted
- ${IBMRPM_WAR_HOME} is the directory of web server application where the client installer files are

3- Open db2 command window (DB2CMD) under RPM Database instance owner and perform the following: Stop and start the DB2 instance in which the RPM database is created in. Run:

```
db2 force applications all
db2stop force
ipclean (if needed)
db2start
```

4- Open update_settings_6001_6002.sql for editing, replace DBNAME with the name of RPM Database Name, USERNAME with the instance owner's userName, USERPSSWD with its password and DBSCHEMA to the schema of the database under which thetables were created.
Then run:
db2 -tvf update_settings_6001_6002.sql **-z** update_settings_6001_6002.out

Check for SQLSTATE, if no error move to next step

5- Start the web application. Now RPM 6.0.0.2 is ready for use.