IBM Rational Portfolio Manager Version 6.1.1.4 DB2 for AIX Migration Guide

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SCOPE

This document outlines the steps to migrate IBM Rational Portfolio Manager Database from Version 6.1.1.3 to 6.1.1.4

AUDIENCE

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

ASSUMPTIONS

It's assumed that your RPM database is at 6.1.1.3 level (Code and Schema). If it is not, please follow the upgrade steps as outlined below.

RPM supports incremental database migration procedure, which means you have to gradually apply the subsequent database migrations.
Ex:

I) 5.0.x.x

5.0.x.x → 6.0.0.0
6.0.0.0 → 6.0.0.1
6.0.0.1 → 6.1.0.0
6.1.0.0 → 6.1.1.1
6.1.1.2 → 6.1.1.3
6.1.1.3 → 6.1.1.4

II) 6.0.x.x

6.0.0.1 → 6.1.0.0
6.1.0.0 → 6.1.1.1
6.1.1.2 → 6.1.1.3
6.1.1.3 → 6.1.1.4

...

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

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- Go to ${MIGPACKAGE_HOME}/Database/DB2/Migration, type the following at the prompt:

chmod 775 db2_setV8.sh
chmod 775 db_cfgV8.sh
chmod 775 dbm_cfgV8.sh

i. Execute db2_setV8 by typing at the prompt: db2_setV8.sh
ii. open db_cfgV8.sh for editing and replace DBNAME with the name of the database you are migrating
iii. Execute db_cfgV8 by typing at the prompt: db_cfgV8.sh
iv. Execute dbm_cfgV8 by typing at the prompt: dbm_cfgV8.sh

4- Open migration.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 migration.sql -z migration.out

If no error move to next step

5- Go to ${MIGPACKAGE_HOME}/Database/DB2/CSP/AIX/DB2V8, open createsp.sql for editing, replace DBNAME with the name of RPM Database Name, USERNAME with the username of the user who connects to the database from the web application, USERPSSWD with its password.

Then run:

db2 -tvf createsp.sql -z createsp.out

If no error move to next step

6- Open bnd_lst.sql for editing replace DBNAME with the name of RPM Database
Name, USERNAME with the username of the user who connects to the database from the web application, 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
ii. Run: db2 -tvf bnd_lst.sql -z bnd_lst.out

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 ${MIGPACKAGE_HOME}/Database/DB2/Migration, open Reorgstats.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 Reorgstats.sql -z Reorgstats.out

8- Backup ${IBMRPM_WAR_HOME}/WEB-INF folder. Go to ${MIGPACKAGE_HOME}/WebServer, copy WEB-INF folder to ${IBMRPM_WAR_HOME}/ folder. UPDATE ConnectionManager.ini and ConnectionPool.ini in newly copied //WEB-INF/classes folder with the information from ConnectionManager.ini and ConnectionPool.ini in backed up WEB-INF folder.

9- Go to ${DB2INSTALL_PATH}/java folder, copy db2jcc.jar, db2jcc_license_cisuz.jar, db2jcc_license_cu.jar files to ${IBMRPM_WAR_HOME}/WEB-INF/lib folder.

Example:
cd ${DB2INSTALL_PATH}/java
cp db2jcc*.jar ${IBMRPM_WAR_HOME}/WEB-INF/lib/

DB2INSTALL_PATH is the path to folder where DB2 is installed

10- 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

11- Start the web application, after making sure that RPM database is started.