

ORACLE PRIMAVERA P6 V7.0

# JACKRABBIT MIGRATION

Version 7.0.0.0.0

# CONTENTS

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- JACKRABBIT CONTENT REPOSITORY MIGRATION TO P6 V7 ..... 3
  - Considerations.....3
  - Upgrade Project Management from P6 v6.2 or P6 v6.2.1 to P6 v7 .....4
  - JackRabbit Migration Steps .....4
  - Known Issues with the JackRabbit Migration ..... 7

# JACKRABBIT CONTENT REPOSITORY MIGRATION TO P6 V7

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## CONSIDERATIONS

Before starting the process, the following considerations should be made:

- ▶ The migration tool is available for download from both the Enterprise and Professional Media Packs on eDelivery.
- ▶ The migration utility was tested on Microsoft Windows platforms only. English was used as the operating system locale and input language.
- ▶ The process must be completed from the command line; no GUI is available.
- ▶ The migration tool only supports data transfer between P6 6.2 or 6.2.1 and P6 7.0
- ▶ Workflows that have documents will require the documents to be added after migration. Documents in review will no longer have review status.
- ▶ During the import process, special characters in document file names will be replaced with an underscore. For example, a file name of **status10/31/08.doc** will change to **status10\_31\_08.doc** upon import into the P6.2 database.
- ▶ If a document with the same name exists before the migration, a duplicate of the document is created during the migration. For example, if the document, *readme.txt*, exists from P6 6.2 or 6.2.1, the migration utility keeps the document intact and creates a duplicate of it named *readme-1.txt* for use in P6 7.0.
- ▶ The following are considered special characters: `! . \ / : * ? " < >`
- ▶ Backups of the PMDB 6.2.1, including JBPM and JackRabbit tables, should be made before starting the migration. No rollback feature is available.
- ▶ Ensure that no users are logged into any of the databases at any stage of the process.
- ▶ The steps below are required to be completed in the order presented.
- ▶ The following data will not migrate to the p6 v7 Document Repository:
  - ▶ Document Audit History
  - ▶ Modified Times (only dates will remain)
  - ▶ Version Numbering will be done automatically, such that version numbers will run sequentially as 1.0, 1.1, 1.2, etc

## UPGRADE PROJECT MANAGEMENT FROM P6 V6.2 OR P6 V6.2.1 TO P6 V7

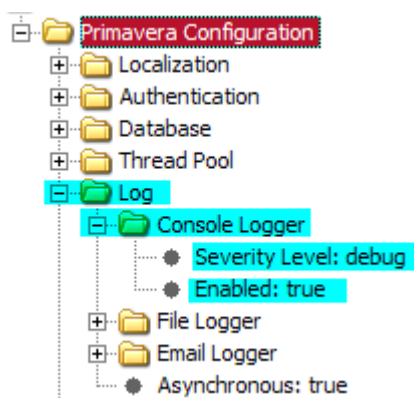
Before starting the migration process, upgrade your P6 installation from version 6.2 or 6.2.1 to 7.0. Follow the instructions presented in the P6 7.0 Administrator's Guide. When the upgrade is complete, make a backup of the newly upgraded database.

**Note:** To avoid potential errors and data transfer issues, do not make any changes to the database until the migration process is complete. Ensure that the Workflow Repository, including relevant database tables, is set up correctly prior to the migration.

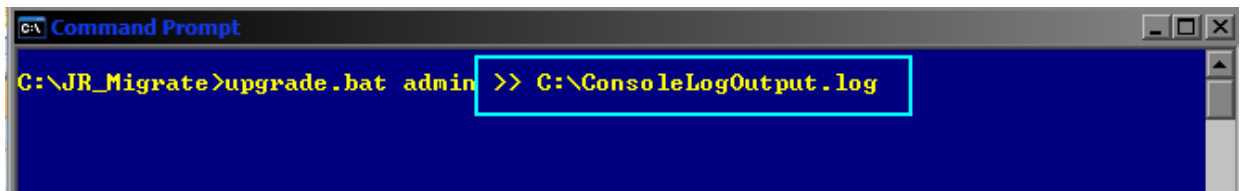
## JACKRABBIT MIGRATION STEPS

The next step of the migration process is to run the migration tool, **update.bat**, to re-create the JackRabbit data in the P6 7.0 Format. These procedures can be completed from the P6 7.0 server or any Windows machine with a connection to the P6 7.0 server.

- 1) Install P6 7.0 Web Access as referenced in the *P6 Administrator's Guide* including the configuration of the connection to the PMDB database.
- 2) Setup the Content Repository and Workflow Repository as specified in the *P6 Administrator's Guide*.
- 3) Copy the migration utility folder, \P6\_70\_Database\JR\_migrate, from the Primavera P6 Database Setup v7.0 Media Pack to a local drive or folder.
- 4) The migration utility does not automatically enable logging, which is required to display output from the migration process in the application server console. Before starting the migration utility, complete the following tasks:
  - ▶ Enable logging in the Primavera Administration application and set the log level to debug



- ▶ redirect the console output to a file on the command line during execution time of the migration utility



5) Open the \JR\_migrate folder. Edit the following newly copied files:

a. **upgrade.bat:**

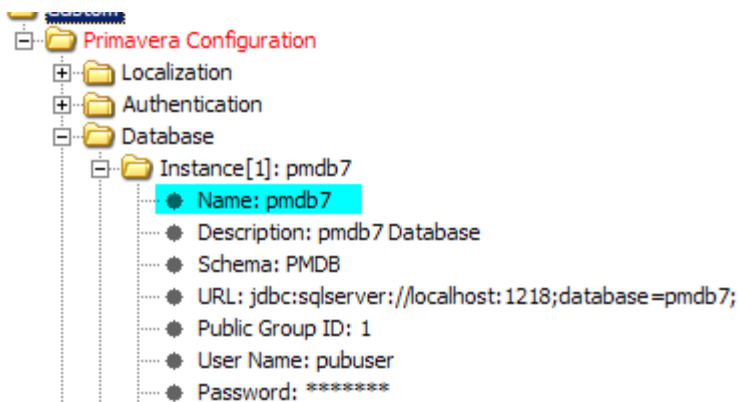
Fill in the proper value for JAVA\_HOME.

**Example:** set JAVA\_HOME=C:\Program Files\Java\jdk1.6.0\_14

b. **upgrade.properties:**

Fill in all the proper values for your system:

- ▶ primavera.bootstrap.home - This value is set during the installation of P6 7.0 Web Access
- ▶ Example: C:\P6WebAccess\_1
- ▶ databaseInstanceName - The P6 database Name found in the Web Access Configuration



- ▶ adminUsername - Any "Admin Superuser" login name from Project Management
- ▶ outputFilesPath - Make sure the folder exists and it is empty

**Example:** C:\\upgradedir\\

c. **log4j.properties:**

Fill in the desired location for the log file, log4j.appender.R.File. Use double back slashes for folder divisions.

**Example:** log4j.appender.R.File=C:\\ImportLogger.log

6) Download and extract the Workflow Repository jar files.

These jars are available for download from the following URL:

[http://www.jboss.org/jbossjbpm/jbpm\\_downloads/](http://www.jboss.org/jbossjbpm/jbpm_downloads/)

Select the "jPDL Runtime" download (version 3.2.3).

**Note:** This step should have already been done from step 2 above.

- 7) Once the zip file has been downloaded, extract the following jar files from it (they may be in different folders within the zip file):

- ▶ antlr-2.7.6.jar
- ▶ asm.jar
- ▶ bsh.jar
- ▶ cglib.jar
- ▶ dom4j.jar
- ▶ hibernate3.jar
- ▶ jbpm-jpdl.jar

**Note:** This step should have already been done from step 2 above.

- 8) Copy the jar files to the "lib" folder located within the \JR\_migrate folder

**Note:** No modifications to upgrade.bat classpath are needed. The classpath in upgrade.bat already contains references to these jars.

- 9) Download the c3p0 connection pooling jar file.

This jar is available for download from this URL:

<http://sourceforge.net/projects/c3p0>

(**Note:** the URL ends in c3p0, not c3pO)

Select version 0.9.1.2.

**Note:** This step should have already been done from step 2 above.

- 10) Once the zip file has been downloaded, extract the following jar file from it, and copy it to the "lib" folder located within the the \JR\_migrate folder:

c3p0-0.9.1.2.jar

**Note:** No modifications to upgrade.bat classpath are needed. The classpath in upgrade.bat already contains a reference to this jar.

- 11) To avoid conflicts with accessing data during the migration process, ensure that the P6 7.0 Web Access application server (JBoss, WebLogic, or WebSphere) is not running.

- 12) From the command line, change the folder to the location where the upgrade files were copied.

- 13) Run the migration utility, upgrade.bat, from the command line with the adminpwd parameter, which is the password for the Admin Superuser specified in upgrade.properties:

For Example, the command line will look like the following:

C:\JR\_Migrate>upgrade.bat <adminpwd> >> C:\ConsoleOutput.log

## KNOWN ISSUES WITH THE JACKRABBIT MIGRATION

**Symptom:** An error similar to the following will appear when trying to import data:  
"javax.jcr.RepositoryException: The repository home at C:\jcr-repo appears to be in use since the file at C:\jcr-repo\.lock is locked by another process"

**Cause:** The application server for P6 7.0 Web Access (JBoss, WebLogic, or WebSphere) was running when the import.bat file was executed. Only one process can get a lock on the repository, so they cannot be both running at the same time.

**Fix:** Stop the application server. Delete the lock file, which is in the location specified by the adminconfig (usually the "jr\_repo" sub-directory of P6 Web Access home, for example, c:\p6wahome). Run upgrade.bat again.