



PRIMAVERA

**JackRabbit Content Repository Migration to Universal Content
Management (UCM) Guide
Version 8.0.0.0.0**

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JackRabbit Content Repository Migration to Oracle UCM

To migrate the JackRabbit Content Repository to Oracle Universal Content Management (UCM), you need to follow the steps in the sections listed below. You must complete the sections in the following order:

- 1) **Export the JackRabbit Content Repository from P6 7.0** (on page 8).
- 2) **Upgrade Your P6 7.0 Installation to P6 EPPM R8** (on page 9).
- 3) **Configure P6 EPPM to Use Oracle UCM** (on page 10).
- 4) **Import the JackRabbit Content Repository to P6 EPPM R8 and Oracle UCM** (on page 10).

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Migration Considerations

Before starting the migration process, consider the following:

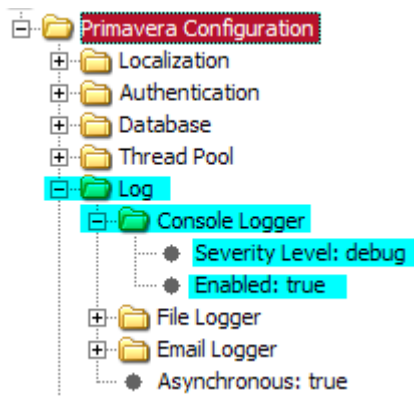
- ▶ The migration tool is available for download from My Oracle Support.
- ▶ The migration utility was tested on Microsoft Windows platforms only. English was used as the operating system locale and input language.
- ▶ The process must be completed from the command line; no GUI is available.
- ▶ The migration tool only supports data transfer between P6 7.0 and P6 8.0.
- ▶ 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 8.0 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 7.0, the migration utility keeps the document intact and creates a duplicate of it named *readme-1.txt* to use in P6 8.0.
- ▶ The following are considered special characters: **! . \ / : * ? " < >**
- ▶ Backups of the PMDB 7.0, 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 EPPM R8 Document Repository:
 - ▶ Document Audit History

- ▶ Modified Times (only dates will remain)
- ▶ Version History
- ▶ Workflows

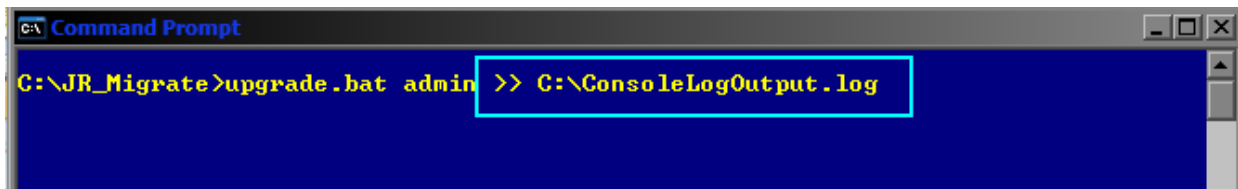
Export the JackRabbit Content Repository from P6 7.0

The first step of the migration process is to run the migration tool, **export.bat**, to export the JackRabbit data from P6 7.0. 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) Extract the contents of jrexport.zip.
- 2) 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:
 - a. Enable logging in the Primavera Administration application and set the log level to debug.

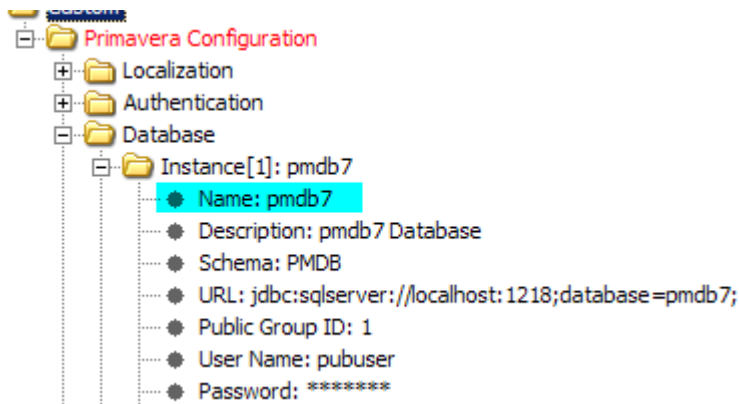


- b. Redirect the console output to a file on the command line during execution time of the migration utility.



- 3) Open the \JR_migrate folder. Edit the following newly extracted files:
 - a. **export.bat**:
Fill in the proper value for JAVA_HOME.
Example: set JAVA_HOME=C:\Program Files\Java\jdk1.6.0_14
 - b. **export.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. **For Example:** `C:\P6WebAccess_1`
- `databaseInstanceName` - The P6 database name found in the Web Access Configuration



- `adminUsername` - Any "Admin Superuser" login name from Project Management
- `outputFilePath` - Make sure the folder exists and it is empty. **For Example:** `C:\upgradedir\`

c. **log4j.properties:**

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

Example: `log4j.appender.R.File=C:\\ExportLogger.log`

- 4) 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.
- 5) From the command line, change the folder to the location where the upgrade files were copied.
- 6) Run the migration utility, **export.bat**, from the command line with the `adminpwd` parameter, which is the password for the Admin Superuser specified in `export.properties`:

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

C:\JR_Migrate>export.bat <adminpwd> >> C:\ConsoleOutput.log

Upgrade Your P6 7.0 Installation to P6 EPPM R8

Follow the instructions presented in the *P6 EPPM Administrator's Guide* (http://download.oracle.com/docs/cd/E17266_01/index.htm) to upgrade your P6 installation from version 7.0 to P6 EPPM R8. When the upgrade is complete, make a backup of the newly upgraded database.

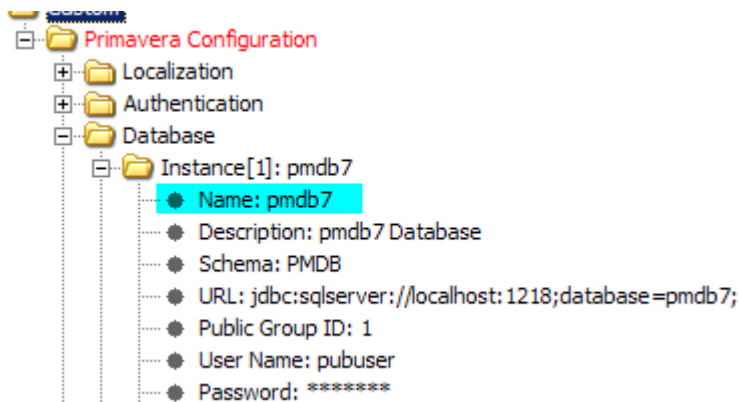
Note: To avoid potential errors and data transfer issues, do not make any changes to the database until the migration process is complete.

Configure P6 EPPM to Use Oracle UCM

Follow the instructions presented in the *P6 EPPM Administrator's Guide* (http://download.oracle.com/docs/cd/E17266_01/index.htm) to configure Oracle UCM.

Import the JackRabbit Content Repository to P6 EPPM R8 and Oracle UCM

- 1) Extract the jrupgrade.zip.
- 2) Open the \JR_migrate folder. Edit the following newly extracted files:
 - a. **import.bat**:
Fill in the proper value for JAVA_HOME.
Example: set JAVA_HOME=C:\Program Files\Java\jdk1.6.0_20
 - b. **import.properties**:
Fill in all the proper values for your system:
 - primavera.bootstrap.home - This value is set during the installation of P6 8.0. **For Example:** C:\p6home
 - databaseInstanceName - The P6 database name found in the P6 Administrator application



- adminUsername - Any "Admin Superuser" login name from P6 EPPM
 - JackRabbit Export File - The location used in export.properties. **For Example:** C:\\upgradedir\\JackRabbitNativeExport.xml
- c. **log4j.properties**:
Fill in the location for the log file, log4j.appender.R.File. Use double back slashes for folder divisions.
Example: log4j.appender.R.File=C:\\UpgradeLogger.log
- 3) To avoid conflicts with accessing data during the migration process, ensure that the P6 8.0 application server (WebLogic or WebSphere) is not running.
 - 4) From the command line, change the folder to the location where the upgrade files were copied.
 - 5) Run the migration utility, **import.bat**, from the command line with the adminpwd parameter, which is the password for the Admin Superuser specified in import.properties:

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

C:\JR_Migrate>import.bat <adminpwd> >> C:\ConsoleOutput.log

Known Issues with the JackRabbit Migration to Oracle UCM

Issue 1

Symptom: An error similar to the following will appear when trying to export 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 export.bat file was executed. Only one process can get a lock on the repository, so they cannot be running at the same time.

Fix:

- 1) Stop the application server.
- 2) 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).
- 3) Run export.bat again.

Issue 2

Symptom: Files with names that have more than 100 characters cannot be added to UCM. The Import will note these files on the console.

Fix: You can manually modify and re-add the files to P6 after the import is complete.