

JBoss Deployment

Introduction

This document assumes that you have downloaded the War File Binary Distribution Zip from JasperForge.org.

The default assumed database configuration is MySQL. Other databases can be supported similar to the way that MySQL support is described below.

The War File Binary Distribution is named:

jasperserver-<ver>-bin.zip.

Prepare for Deployment

You can get the jasperserver.war file either by building from source code or from obtaining it from the War File Distribution from JasperForge.org.

If you built from source code, you will have both an archived war file (filename: jasperserver.war) and an "exploded", unarchived war file (filename: jasperserver). These will be found in the <js-src>/jasperserver-war/target directory.

If you downloaded the War File Binary Distribution from JasperForge.org, then you will only have an archived war file (filename: jasperserver.war).

In order to deploy under JBoss you will need to add a jboss-web.xml file inside your jasperserver.war. The easiest way to do this is to "unarchive" or "explode" the jasperserver.war file. Then you can also deploy to JBoss using the unarchived jasperserver directory.

Create "Unarchived" War File

1. Start with the jasperserver.war file.
2. Copy the jasperserver.war file to the JBoss deployment directory
 - a. copy jasperserver.war to
 - b. <jboss>/server/default/deploy (or cp under linux)
3. Unpack the war to a new directory
 - a. cd <jboss>/server/default/deploy
 - b. mkdir jasperserver
 - c. cd jasperserver
 - d. jar xvf ../jasperserver.war
 - e. cd ..
4. Remove the original war file
 - a. del jasperserver.war (or rm -r under linux)
5. Now, rename the "jasperserver" directory to "jasperserve.war"
 - a. rename jasperserver jasperserver.war (or mv under linux)
 - b. JBoss wants the directory name to end in ".war"

Make War File and Database Configurations

1. From <js-war-file-dir>/scripts/jboss get the js-mysql-ds.xml file.
 - a. Update with your own database settings
 - b. Copy js-mysql-ds.xml to

- c. <jboss>/server/default/deploy
2. From <js-war-file-dir>/scripts/jboss get the jboss-web.xml file
 - a. The settings should work for an unchanged standard JasperServer instance
 - b. Copy jboss-web.xml to
 - c. <jboss>/server/default/deploy/jasperserver.war/WEB-INF
3. Check the hibernate.properties file. By default, it has MySQL settings
 - a. Location is: <jasperserver.war>/WEB-INF/hibernate.properties
4. Copy the appropriate database driver to JBoss
 - a. Copy the correct driver from <js-war-file-dir>/scripts/drivers to
 - b. <jboss>/server/default/lib

Memory Settings

See the Troubleshooting section of the docs/JasperServer-Install-Guide.pdf for information on memory settings for JBoss.

Edit <jboss>/bin/run.bat (or run.sh under linux):

Add to your JAVA_OPTS setting:

-Xms512m -Xmx1024m

Another memory resource related error is running out of PermGen space. If you encounter an error relating to PermGen space you can make the following additional updates to your JAVA_OPTS:

-XX:PermSize=128m -XX:MaxPermSize=512m

Delete log4j.jar

JBoss is normally distributed with the log4j facility enabled. JBoss initializes the log4j.jar at JBoss startup. JasperServer also includes and uses log4j. When JBoss loads the JasperServer war file, there is a JBoss logging error (log4j:ERROR "org.jboss.logging.util.OnceErrorHandler"). This error is not fatal to JasperServer, but can cause confusion when seen at JBoss startup.

To get rid of this error, we will delete the log4j.jar found in JasperServer.

Delete the following jar:

del <jasperserver.war>/WEB-INF/lib/log4j-<ver>.jar

Start JBoss and JasperServer

Start the JBoss server using <jboss>/bin/run.bat (or run.sh under linux).

Login to JasperServer at:

<http://localhost:8080/jasperserver>