

# Jetspeed2 JBossHowTo

## Deploying Jetspeed 2 to JBoss

- Important: Updated instruction on using JBoss 5.1 can be found on <http://wiki.apache.org/portals/Jetspeed2/JBoss5HowTo>.\*

### Instructions

Until we have deployment goals for Jetspeed 2's Maven build, you will need to install by hand. (Oh, stop yer' whinning! 🙄)

This has only been tested on JBoss 3.2.5 w/Tomcat so your mileage may vary.

1. Perform the standard *maven allBuild*
2. Expand the /portal/target/jetspeed.war into jboss/server/default/deploy/jetspeed.war (directory)
3. For the demo portlets to show up you will need to copy the following 6 wars into jboss/server/default/deploy/jetspeed.war/WEB-INF/deploy
  - /layout-portlets/target/jetspeed-layouts.war
  - /applications/struts-demo/target/struts-demo.war
  - /applications/php/target/php.war
  - /applications/perl/target/perl.war
  - /applications/security/target/security.war
  - /applications/demo/target/demo.war
4. Copy these 5 jars into jboss/server/default/lib
  - pluto-1.0.1-SNAPSHOT.jar
  - portals-bridges-common-0.1.jar
  - jetspeed-commons-2.0-a1-dev.jar
  - jetspeed-api-2.0-a1-dev.jar
  - portlet-api-1.0.jar
5. copy the JBoss datasource definition of your choice from /portal/src/resources to jboss/server/default/deploy/
  - For the default HsqlDB, use jetspeed-ds.xml
  - For MySQL, use jetspeed-mysql-ds.xml
6. replace JBoss' hsqldb.jar with Jetspeed's, or drop in MySQL driver into jboss/server/default/lib
7. In jetspeed-spring.xml, locate the bean with the id="org.apache.jetspeed.tools.pamanager.servletcontainer.ApplicationServerManager". Comment out the current bean definition, which is targeted at Tomcat 4/5, and uncomment the bean definition below that one, which is targeted at JBoss.

### Important Note on JBoss Classloading and Jetspeed 2

Jetspeed 2 requires classloader isolation. This is switched on via this entry in /portal/src/webapp/WEB-INF/jboss-web.xml:

```
...
<class-loading>
  <loader-repository>
    org.apache.jetspeed:loader=unique-archive-name
  </loader-repository>
</class-loading>
...
```

### Alternate Instructions for Fusion (and J2)

Since moving the commons jars out of JBoss's server/default/lib, I had to take a different approach. IF the above procedure fails, try this one:

This has only been tested on JBoss 3.2.5 w/Tomcat so your mileage may vary.

1. Perform the standard *maven allBuild*
2. Expand the /portal/target/jetspeed.war into jboss/server/default/deploy/jetspeed.war (directory)
3. For the demo portlets to show up you will need to copy the following 6 wars into jboss/server/default/deploy/jetspeed.war/WEB-INF/deploy
  - /layout-portlets/target/jetspeed-layouts.war
  - /applications/struts-demo/target/struts-demo.war
  - /applications/php/target/php.war
  - /applications/perl/target/perl.war
  - /applications/security/target/security.war
  - /applications/demo/target/demo.war
4. Copy these 5 jars into jboss/server/default/lib
  - pluto-1.0.1-SNAPSHOT.jar
  - portals-bridges-common-0.1.jar
  - jetspeed-commons-2.0-a1-dev.jar
  - jetspeed-api-2.0-a1-dev.jar
  - portlet-api-1.0.jar
5. Move these 2 jars out of jetspeed.war/WEB-INF/lib into jboss/server/default/lib
  - commons-logging-1.0.3.jar
  - log4j-1.2.8.jar
6. copy the JBoss datasource definition of your choice from /portal/src/resources to jboss/server/default/deploy/

- For the default HsqlDB, use jetspeed-ds.xml
  - For MySQL, use jetspeed-mysql-ds.xml
7. replace JBoss' hsqldb.jar with Jetspeed's, or drop in MySQL driver into jboss/server/default/lib
  8. In jetspeed-spring.xml, locate the bean with the id="org.apache.jetspeed.tools.pamanager.servletcontainer.ApplicationServerManager". Comment out the current bean definition, which is targeted at Tomcat 4/5, and uncomment the bean definition below that one, which is targeted at JBoss. Remove all arguments.
  9. don't forget the MySQL driver if using it. Copy it into jboss/server/default/lib

## More detailed instructions

Can be found at <http://wiki.apache.org/portals/Jetspeed2/JBossHowToDetailed> for Jetspeed 2 M1 on **JBoss 3.2.3, 3.2.5, 3.2.6, 4.0.1** and Jetspeed 2 M2 on **JBoss 4.0.1**.