

Jetspeed2 JetSpeedConfig

Setting up and running Jetspeed 2 on Tomcat 5.5.15, JBOSS 4.0.3 and [WebSphere](#) Application Server 5.1.1.3

This page contains details on installation and setup instructions for the Jetspeed 2 Enterprise Portal on different server with Derby and MySQL database.

Jetspeed Configuration on Tomcat 5.5.15, JBOSS 4.0.3 and WAS 5.1.1.3 with Derby Database

Note:- Already "Apache Jeetspeed 2.0" installed by "Jetspeed2.0-MultiDb-install.jar" and selected Derby as database which is default database.

A) Jetspeed Configuration on Tomcat 5.5.15 (Derby is Database)

1. Copy 1 file "jetspeed.xml" from "\Apache Jetspeed 2\conf\Catalina\localhost" folder to "C:\apache-tomcat-5.5.15\conf\Catalina\localhost"
2. Copy 6 jar files from "\Apache Jetspeed 2\shared\lib" to "C:\apache-tomcat-5.5.15\shared\lib" folder
 - jetspeed-api-2.0.jar, jetspeed-commons-2.0.jar, pluto-1.0.1.jar, portals-bridges-common-1.0.jar, portlet-api-1.0.jar, derby-10.1.1.0.jar
3. Placed 1 file "jetspeed.war" at C:\apache-tomcat-5.5.15\webapps
4. Placed this 1 file "jetspeed-layouts.war" at C:\apache-tomcat-5.5.15\webapps\jetspeed\WEB-INF\deploy
5. Start tomcat
6. Run "http://localhost:8080/jetspeed"
7. Deploy other portlet applications (*.war) files directly in "\jetspeed\WEB-INF\deploy\" folder
 - demo.war, j2-admin.war, jpetstore.war, jsf-demo.war, perl.war, php.war, rss.war

😊 Jetspeed Configuration on JBOSS 4.0.3 (Derby is Database)

1. Copy 6 jar files from "\Apache Jetspeed 2\shared\lib" to "C:\Program Files\jboss-4.0.3SP1\server\default\lib" folder
 - jetspeed-api-2.0.jar, jetspeed-commons-2.0.jar, pluto-1.0.1.jar, portals-bridges-common-1.0.jar, portlet-api-1.0.jar, derby-10.1.1.0.jar
2. Unzip the "jetspeed.war" into a directory C:\Program Files\jboss-4.0.3SP1\server\default\deploy\jetspeed.war
3. Copy the JBoss datasource definition jetspeed-ds.xml from the Jetspeed2 source's "jetspeed-2.0-src\etc\conf\jboss" directory to JBoss' "server/default/deploy".

Note: As you have already installed "Apache Jeetspeed 2.0" on your machine, then add/modify this code in jetspeed-ds.xml:

```
<jndi-name>JetspeedDS</jndi-name>

<connection-url>jdbc:derby:C:\Program Files\Apache Jeetspeed 2.0\webapps\jetspeed\WEB-INF\productiondb;create=true</connection-url>

<driver-class>org.apache.derby.jdbc.EmbeddedDriver</driver-class>

<user-name></user-name>

<password></password>
```

4. Move the following jars out of "jetspeed.war\WEB-INF\lib" into JBoss' server/default/lib directory (commons-logging-1.0.3.jar, log4j-1.2.8.jar, xerces-2.3.0.jar, xml-apis-2.0.2.jar)

5. In jetspeed-spring.xml, (at "\jetspeed.war\WEB-INF\assembly") 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.

Note: jetspeed-spring.xml may not contain the JBoss [ApplicationServerManager](#) definition, so here it is (copy/paste into the jetspeed-spring.xml):

```
<bean id="org.apache.jetspeed.tools.pamanager.servletcontainer.ApplicationServerManager" class="org.apache.jetspeed.tools.pamanager.servletcontainer.JBossManager" init-method="start" />
```

6. Deploy jetspeed-layouts.war and other war files.
7. You can now start JBoss.
8. Run "http://localhost:8080/jetspeed"

9. Deploy other portlet applications (*.war) files directly in "\jetspeed.war\WEB-INF\deploy\" folder

- demo.war, j2-admin.war, jpetstore.war, jsf-demo.war, perl.war, php.war, rss.war

C) Jetspeed Configuration on [WebSphere](#) Application Server 5.1.1.3 (Derby is Database)

[WebSphere](#) Application Server doesnot support Derby database.

Jetspeed Configuration on Tomcat 5.5.15, JBOSS 4.0.3 and WAS 5.1.1.3 with MySQL Database

Note:- Already "MySQL 5.0" is installed on your machine and create a database (create database jetspeed 😊 Download "mysql-connector-java-3.1.12-bin.jar" file from "<http://dev.mysql.com/downloads/connector/j/3.1.html>"

A) Install Apache Jetspeed 2.0 with MySQL 5.0 as Database

1. Double click on "Jetspeed2.0-MultiDb-install.jar"

2. Select next with all default option, except database generation part.

3. Fill these data:

Database type: MySQL

user name: root

password: root (As I have given like thiswhen I installed MySQL. You can change it.)

connection string : jdbc:mysql://localhost/jetspeed

Driver class: com.mysql.jdbc.Driver

JDBC driver: mysql-connector-java-3.1.12-bin.jar (select this jar file, which you have already downloaded)

4. Start Apache Jetspeed 2.0

5. Run "http://localhost:8080/jetspeed"

Problem:- if you are getting any database problem during installation of Jetspeed, drop the database and create once again. (drop database jetspeed 😊)

😊 Jetspeed Configuration on Tomcat 5.5.15 (MySQL 5.0 is Database)

1. Copy 1 file "jetspeed.xml" from "\Apache Jetspeed 2\conf\Catalina\localhost" folder to "C:\apache-tomcat-5.5.15\conf\Catalina\localhost"

2. Copy 6 jar files from "\Apache Jetspeed 2\shared\lib" to "C:\apache-tomcat-5.5.15\shared\lib" folder

- jetspeed-api-2.0.jar, jetspeed-commons-2.0.jar, pluto-1.0.1.jar, portals-bridges-common-1.0.jar, portlet-api-1.0.jar, mysql-connector-java-3.1.12-bin.jar

3. Placed 1 file "jetspeed.war" at C:\apache-tomcat-5.5.15\webapps

4. Start tomcat

5. Placed this 1 file "jetspeed-layouts.war" at C:\apache-tomcat-5.5.15\webapps\jetspeed\WEB-INF\deploy

6. Restart tomcat

7. Run "http://localhost:8080/jetspeed"

8. Deploy other portlet applications (*.war) files directly in "\jetspeed\WEB-INF\deploy\" folder

- demo.war, j2-admin.war, jpetstore.war, jsf-demo.war, perl.war, php.war, rss.war

C) Jetspeed Configuration on JBOSS 4.0.3 (MySQL 5.0 is Database)

1. Copy 6 jar files from "\Apache Jetspeed 2\shared\lib" dir to C:\Program Files\jboss-4.0.3SP1\server\default\lib

(jetspeed-api-2.0.jar, jetspeed-commons-2.0.jar, pluto-1.0.1.jar, portals-bridges-common-1.0.jar, portlet-api-1.0.jar, mysql-connector-java-3.1.12-bin.jar)

2. Unzip the "jetspeed.war" into a directory C:\Program Files\jboss-4.0.3SP1\server\default\deploy\jetspeed.war

3. Copy the JBoss datasource definition "jetspeed-mysql-ds.xml" from the Jetspeed2 source's "jetspeed-2.0-src\etc\conf\jboss" directory to JBoss' "server/default/deploy". Note:-follow the correct username and password.
4. Move the following jars out of "jetspeed.war\WEB-INF\lib" into JBoss' server/default/lib directory (commons-logging-1.0.3.jar, log4j-1.2.8.jar, xerces-2.3.0.jar, xml-apis-2.0.2.jar)
5. In jetspeed-spring.xml, (at "jetspeed.war\WEB-INF\assembly") 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.

Note: jetspeed-spring.xml may not contain the JBoss [ApplicationServerManager](#) definition, so here it is (copy/paste into the jetspeed-spring.xml):


```
<bean id="org.apache.jetspeed.tools.pamanager.servletcontainer.ApplicationServerManager" class="org.apache.jetspeed.tools.pamanager.servletcontainer.JBossManager" init-method="start" />
```
6. Deploy jetspeed-layouts.war and other war files.
7. You can now start JBoss.
8. Run "http://localhost:8080/jetspeed"

D) Jetspeed Configuration on [WebSphere](#) Application Server 5.1.1.3 (MySQL 5.0 is Database)

1. Copy 6 jar files to "Websphere/Appserver/lib" folder
(jetspeed-api-2.0.jar, jetspeed-commons-2.0.jar, pluto-1.0.1.jar, portals-bridges-common-1.0.jar, portlet-api-1.0.jar, mysql-connector-java-3.1.12-bin.jar)
 2. Start Websphere Application Server Websphere\AppServer\bin> startServer server1 <http://localhost:9090/admin>
 3. Create a [DataSource](#) by JDBC Provider. (This is most critical step.)
 - 3.1. Create JDBC Provider with these data:
Name: MySQL

Description:

Classpath: Websphere/AppServer/lib/mysql-connector-java-3.1.12-bin.jar

Implemenation Classname: com.mysql.jdbc.jdbc2.optional.MysqlConnectionPoolDataSource
 - 3.2. Create Data Source with these data:
Name: JetspeedDS

JNDI: JetspeedDS

Datasource Helper Class: com.ibm.websphere.rsadapter.ConnectJDBCDataStoreHelper

Container-managed Auth: localhost/mysqlAuth (I created like this)
(J2C Authentication with user=root;password=root)
 - 3.3. Add Some Custom Properties: (data type is STRING for all)
databaseName: jetspeed?autoReconnect=true

serverName: localhost

user: root

password: root
 4. Install jetspeed.war file using the Websphere's application installation wizard
 5. Place "jetspeed-layouts.war" in "\jetspeed.ear\jetspeed.war\WEB-INF\deploy" and start jetspeed.
 6. Go to <http://localhost:9080/jetspeed>
 7. Install Portlet Applications using the Websphere application installation wizard.
- Problem:- j2-admin.war and jsf-demo.war, these two are not working. Still I am working on these two. Error in [SystemOut](#).log file is:
"Failure to initialize Web application Jetspeed-2 Portal Administration Portlets. An error occurred while loading Web application."

IF You have any suggestions or queries please contact me. I will appreciate to work with you.

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