

# Getting up and running quickly

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## 1.

It is expected that the user is familiar with both the Apache Maven project tool and the Apache Ant build tool.

- Ant 1.5 or higher
- Maven 1.0 or higher
- Java 1.4.2\_02 or higher
- Servlet 2.3:  
Tomcat 4.1.x  
or  
Tomcat 5.0.28 or higher

## 2.

If you have not already done so, download and install Maven.

## 3.

Please set these values in your `${USER_HOME}/build.properties` file:

property	example	what is it?
<code>org.apache.jetspeed.project.home</code>	<code>/home/apache/jakarta-jetspeed-2/</code>	The root of your Jetspeed-2 source installation (see example on left).
<code>org.apache.jetspeed.server.home</code>	<code>\${CATALINA_HOME}/</code>	The root of your Tomcat server installation.
<code>org.apache.jetspeed.catalina.version</code>	<code>4</code> or <code>5</code>	Are you using Tomcat 4.1.x or 5.x?
<code>org.apache.jetspeed.server.sharedlib</code>	<code>\${org.apache.jetspeed.server.home}/sharedlib</code>	The location of the shared jars in your Tomcat installation.
<code>org.apache.jetspeed.deploy.war.dir</code>	<code>\${org.apache.jetspeed.server.home}/webapps</code>	The location to deploy web application in Tomcat.
<code>org.apache.jetspeed.services.authentication.deployed-user</code>	<code>deployment-manager-user</code>	a Tomcat user with the manager role. See the Tomcat Configuration section below.
<code>org.apache.jetspeed.services.authentication.deployed-password</code>	<code>deployment-manager-user-password</code>	The password of the Tomcat manager user.

If you are using Tomcat 5, make sure to use version 5.0.28 or higher, otherwise you won't be able to login because of an issue with its JAASRealm implementation.

To develop or deploy Jetspeed with another database (not the default HSQL), see the property configuration in the Database Configuration documentation.

#### 4.

Jetspeed 2 now uses the Tomcat manager application for hotdeployment of portlet application war files. To be able to do so it needs a configured Tomcat user with the predefined 'manager' role in the `${CATALINA_HOME}/conf/tomcat-users.xml`.

A minimal example tomcat-users.xml could look like:

```
<?xml version='1.0' encoding='utf-8'?>
<tomcat-users>
  <role rolename="manager"/>
  <user username="j2deployer" password="j2deployer" roles="manager"/>
</tomcat-users>
```

Make sure to use a more appropriate username and password.

With the above example the required autodeployment properties should be set as:

```
org.apache.jetspeed.services.autodeployment.user=j2deployer
```

```
org.apache.jetspeed.services.autodeployment.password=j2deployer
```

#### 5.

If you are using the default Hypersonic database, this procedure requires two terminal sessions. If you are using another database, skip the immediate section below on Terminal Session #1.

```
# Terminal Session #1: Start the Hypersonic database
cd ${jetspeed-2-home}
maven start.test.server
```

Terminal session #2, build the portal and all components and unit test Jetspeed-2:

```
# Terminal Session #2: Build and Unit Test
cd ${jetspeed-2-home}
maven allClean allBuild
```

#### 6.

We only cover deploying to Tomcat 4 and Tomcat 5. Step #1 below is optional if you are NOT using the default Hypersonic database.

- 1. If you are using the Hypersonic SQL database, make sure you have terminated the test HSQLserver. Then in the same terminal, start the production Hypersonic database by typing  
maven start.production.server
- 2. (in seperate window/terminal session)  
cd \${jetspeed-2-home}
- 3. maven quickStart  
This will recreate the DB to deploy into. WARNING This will drop all the tables and data in the production database.
- 4. Start up Tomcat. With a browser, go to:  
<http://localhost:8080/jetspeed>