
Setup Instructions for Java Web Development 2.1

In this course, we will use the Tomcat Web server for deploying and testing servlets and JavaServer Pages. To setup your PC so that you can run the code examples from this manual and also develop the labs, perform the following steps:

1. Download and install the latest version of the Java 2 SDK

Freely downloadable at <http://java.sun.com/j2se>. You need to download and install the J2SE SDK.

2. Download Tomcat

Tomcat is free to download and use. You can find the latest version of Tomcat at:

<http://jakarta.apache.org/tomcat/>

DO NOT INSTALL Tomcat. Each student will install Tomcat during the class. Download the *.exe file and save it in a folder named:

c:\install

Some tips on downloading Tomcat:

- Go to the URL above and look for a link on the page to “Download Binaries”. This will take you to Apache’s download page. There will be a link on this download page for the latest “Release Build” of Tomcat.
- You will be taken to a page that looks similar to the one in Figure 1.
- The versions change often. In fact, you can get a new version every day, since Apache performs nightly builds on all recent versions.
- The file names with “LE” in them are not the ones you want. The name of the file will look like:

tomcat-4.1.21.zip - for Windows

tomcat-4.1.21.exe - a self-installing version for Windows (recommended)

tomcat-4.1.21.tar.gz - for Unix

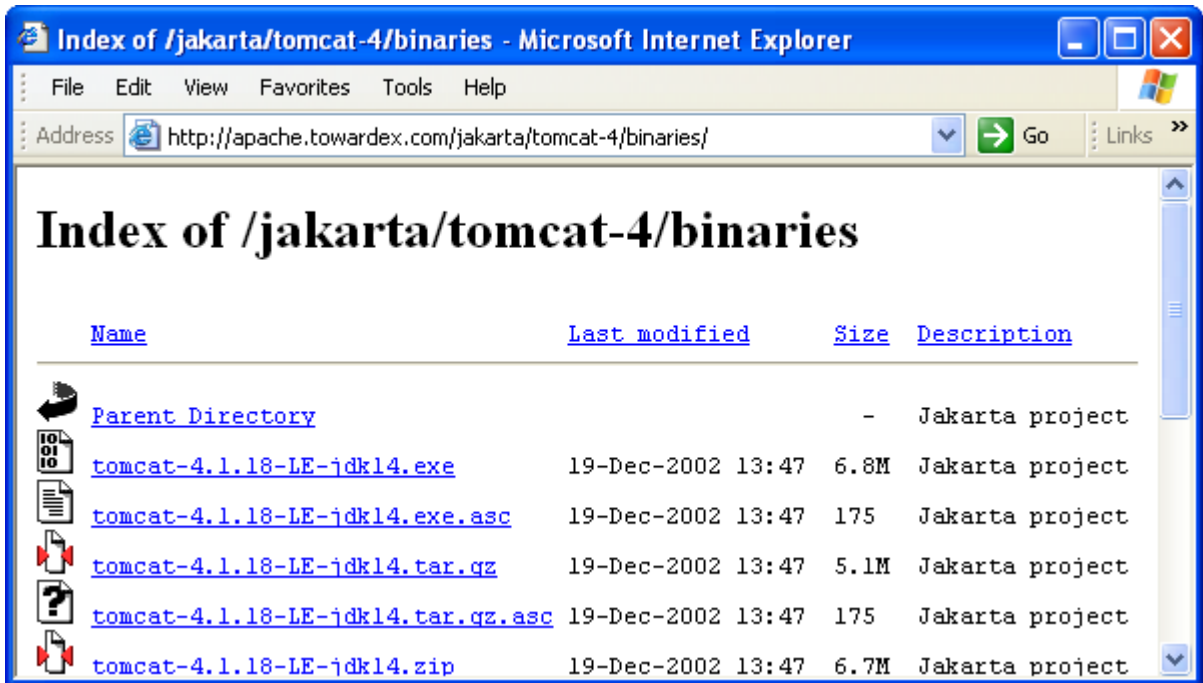


FIGURE 1. The download page for Tomcat.

- For Windows, you want either the .exe file (self-installer) or the .zip file, which you need to unzip and install yourself.
- For Unix, you want to download a .gz file.

3. Download the mySQL database

The database for the labs is going to be mySQL. This has several advantages when used with Tomcat, the most useful is that the JDBC driver for mySQL is already loaded with Tomcat.

- You can freely download and use mySQL. To download it, go the following URL:

```
http://www.mysql.com/downloads/
```

- On this download page, look for the heading:

```
MySQL database server & standard clients:
```

- You want to download the latest “Production Release”, which for Windows will be in a .zip file.

DO NOT INSTALL mySQL. The students will install mySQL as part of the course. Download the file and save it in the directory:

```
c:\install
```

4: Download the JDBC Driver

Java applications access a database using the JDBC API. A database driver is needed to convert the JDBC into statements that the database understands. The mySQL driver is called mySQL Connector/J.

You need to download this driver at:

```
http://www.mysql.com/downloads/api-jdbc.html
```

You want the .zip file for Windows.

DO NOT UNZIP THIS FILE. The students will install the driver during the class. Save the .zip file in the directory:

```
c:\install
```

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