

# Installation of the Source Version

## 0.1 Documentation

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## 1. Example directory structure

If you're new to all this, it is recommended to use the following directory structure:

```
your_home
  /src
    /lenya                                $LENYA_HOME
    /cocoon-2.1-M1                        $COCOON_HOME
      /build
        /webapp                          $COCOON_WEBAPP
  /build
    /tomcat-4.1.24                       $TOMCAT_HOME
    /ant-1.5.3
```

## 2. Installation

1. **Get the Java SDK** (see [Prerequisites](#))
2. **Get Apache Tomcat** (see [Prerequisites](#))
3. **Install Tomcat**

See [Running The Tomcat 4.0 Servlet/JSP Container](#)

### MS Windows:

Basically this is setting the JAVA\_HOME environment variable and double-clicking on tomcat-4.1.24.exe. Decide to run Tomcat as a Windows NT/2000/XP-Service.

4. **Check if Tomcat is running**

<http://localhost:8080>.

5. **Stop the Tomcat service**

### MS Windows:

If you don't know how, try *Start > Help > Services*.

6. **Get Apache Ant** (see [Prerequisites](#))

7. **Install Ant**

See section [Installing Ant](#) of the Ant Manual

**MS Windows**

Set a few environment variables, e.g.:

- JAVA\_HOME = C:\Programme\j2sdk1.4.1\_01
- ANT\_HOME = C:\Programme\Apache Group\apache-ant-1.5.2
- CATALINA\_HOME = C:\Programme\Apache Group\Tomcat 4.1
- CLASSPATH = .\;C:\Programme\Apache Group\apache-ant-1.5.2\lib
- PATH =  
<snip>;C:\Programme\j2sdk1.4.1\_01\bin;C:\Programme\Apache Group\apache-ant-1.5.2\bin

8. **Get Apache Cocoon** (see [Prerequisites](#))

**Note:** The current CVS version of Lenya works only with Cocoon Milestone 1 and newer versions.

9. If you use a Cocoon source version: **Compile Cocoon**

See [Installing Apache Cocoon](#)

**MS Windows**

```
$COCOON_HOME > build -Dinclude.webapp.libs=yes webapp
```

**Unix**

```
$COCOON_HOME > ./build.sh -Dinclude.webapp.libs=yes webapp
```

10. **Copy the endorsed libraries**

Copy all files from \$COCOON\_HOME\lib\endorsed/ to \$TOMCAT\_HOME/common/endorsed/.

11. If you have downloaded the source version: **Extract Lenya**

Extract the downloaded Lenya archive to a directory of your choice.

12. **Configure Lenya**

Copy \$LENYA\_HOME/build.properties.sample to

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NYA\_HOME/build.properties.

Edit build.properties. For the described configuration the following settings will work (**MS Windows:** Don't use backslashes "\" for directory separation.). It is important that install.dir is an absolute path. The asterisk (\*) has to be replaced by the appropriate version number. Replace \$TOMCAT\_HOME by your tomcat installation directory.

- src.cocoon.dir=\$COCOON\_HOME/build/webapp
- pubs.root.dirs=src/webapp/lenya/pubs
- install.dir=\$TOMCAT\_HOME/webapps/lenya
- cache.dir=\$TOMCAT\_HOME/work/Standalone/localhost/lenya

### 13. Build Lenya

```
$LENYA_HOME > ant install
```

### 14. Restart the Tomcat service

#### **MS Windows:**

*Start > All Programs > Apache Tomcat > Stop Tomcat*

*Start > All Programs > Apache Tomcat > Start Tomcat*

or

```
$TOMCAT_HOME\bin > shutdown.bat  
$TOMCAT_HOME\bin > startup.bat
```

#### **Unix:**

```
$TOMCAT_HOME/bin > ./shutdown.sh  
$TOMCAT_HOME/bin > ./startup.sh
```

### 15. Test the installation

<http://localhost:8080/lenya>