

# 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 (or c:\ on Windows, NOT My Documents)
  /src
    /cocoon-lenya           $LENYA_HOME
    /cocoon-2.1             $COCOON_HOME
      /build
        /webapp             $COCOON_WEBAPP
  /build
    /tomcat-4.1.24          $TOMCAT_HOME
    /ant-1.6.1
```

## 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.

### Warning:

Make sure you do not install at a location with spaces in the path

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-1.6.1
- CATALINA\_HOME = C:\build\tomcat-4.1.24
- CLASSPATH = .\;C:\Programme\Apache Group\apache-ant-1.6.1\lib
- PATH = <snip>;C:\Programme\j2sdk1.4.1\_01\bin;C:\Programme\Apache Group\apache-ant-1.6.1\bin

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

## 9. Copy the Cocoon build properties supplied by Lenya

Copy the files

- local.build.properties
- local.blocks.properties

from \$LENYA\_HOME/src/cocoon to \$COCOON\_HOME.

## 10. Compile Cocoon

### MS Windows

```
$COCOON_HOME > build.bat
```

### Unix

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

See also [Installing Apache Cocoon](#)

## 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 \$LENYA\_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 tomcat.home.dir is an absolute path. The asterisk (\*) has to be replaced by the appropriate version number. Replace \$TOMCAT\_HOME by your tomcat installation directory.

- cocoon.webapp.dir=\$COCOON\_HOME/build/webapp
- pubs.root.dirs=src/webapp/lenya/pubs
- tomcat.home.dir=\$TOMCAT\_HOME

## 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>