

Installation of the Source Version

0.1 Documentation

by Jan Prill, Andreas Hartmann, Gregor J. Rothfuss

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>