

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](#) (prerequisites.html))
2. **Get Apache Tomcat** (see [Prerequisites](#) (prerequisites.html))
3. **Install Tomcat**

See [Running The Tomcat 4.0 Servlet/JSP Container](#) (<http://jakarta.apache.org/tomcat/tomcat-4.1-doc/RUNNING.txt>)

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](#) (prerequisites.html))

7. **Install Ant**

See section [Installing Ant](#) (<http://ant.apache.org/manual/install.html>) 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](#) (prerequisites.html))

- 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](http://cocoon.apache.org/2.1/installing/index.html) (<http://cocoon.apache.org/2.1/installing/index.html>)

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>