

Deploying on Tomcat

The Daisy webapp can be freely moved out of the `DAISY_HOME/daisywiki` directory and deployed on another servlet container. It has *no* dependencies on the other stuff from `DAISY_HOME`, but it does need access to the daisywiki data directory (not the repository data directory). It does *not* need access to the relational database. See also the diagram in the [installation instructions](#)¹.

Here is how you can deploy Daisy on Tomcat (this was tried with Tomcat 5.0.28, 5.5.17 and 6.0.10):

First copy Daisy's webapp (directory `DAISY_HOME/daisywiki/webapp`) to `TOMCAT_HOME/webapps/cocoon` (thus the `webapp` directory gets renamed to `cocoon`).

Then make sure recent versions of xerces and xalan are in the endorsed library path of Tomcat, you can do this like this (in the Tomcat directory):

```
$ ls common/endorsed/
xercesImpl.jar xml-apis.jar
$ rm common/endorsed/*
$ cp webapps/cocoon/WEB-INF/lib/xercesImpl-<version>.jar common/endorsed/
$ cp webapps/cocoon/WEB-INF/lib/xml-apis.jar common/endorsed/
$ cp webapps/cocoon/WEB-INF/lib/xalan-<version>.jar common/endorsed/
```

To avoid encoding problems, edit the file `TOMCAT_HOME/conf/server.xml`, search for the element `<Connector port="8080" ...` and add to it the following two attributes:

```
URIEncoding="UTF-8" useBodyEncodingForURI="true"
```

Also, make sure your file encoding is set to UTF-8 (e.g. via the `CATALINA_OPTS` environment variable):

```
export CATALINA_OPTS=-Dfile.encoding=UTF-8
```

To inform the webapp of the location of the wikidata directory, a system property `daisywiki.data` should be supplied. This can be done as follows:

```
Windows:
set CATALINA_OPTS=-Ddaisywiki.data=<path to wikidata directory>

Linux:
export CATALINA_OPTS=-Ddaisywiki.data=<path to wikidata directory>
```

However, this does not work if you want to deploy the Daisy Wiki webapp multiple times inside the same servlet container, using different wikidata directories. In that case, you might either specify the `daisywiki.data` parameter [inside your WEB-INF/web.xml](#)², or inside the context file `CATALINA_HOME/conf/Catalina/your.domain.tld/ROOT.xml`. If you prefer to stick to the latter method, which has the advantage that it will survive an update of your daisy installation, your context file should look like:

```
<?xml version="1.0" encoding="UTF-8"?>
<Context reloadable="true">
  <!-- specify wiki data directoty -->
  <Parameter name="daisywiki.data" value="/path/to/your/daisy/wiki/data" override="false" /
  >
  ...
</Context>
```

-
1. daisy:13-cd (Installation)
 2. daisy:313-cd (Specifying the wikidata directory location)

NOTE

See [Specifying the wikidata directory location](#)³ for more details.

Now start Tomcat, and surf to <http://localhost:8080/cocoon/daisy/>. That's all there is to it. Note that Daisy requires an expanded webapp, not a war archive.

3. [daisy:313-cd \(Specifying the wikidata directory location\)](#)