

Connecting to Jetty via mod_jk

The daisy installation comes bundled with Jetty as servlet engine. The daisywiki frontend runs as web application inside Jetty which listens on port 8888 by default. If you are interested in running the daisywiki frontend on port 80, you may put the Apache webserver in front of daisy. Doing so is described in detail at: http://cocoondev.org/daisydocs-1_5/admin/99.html¹

The solution proposed there makes use of the apache module mod_proxy in order to forward requests from apache to the jetty servlet engine.

Alternatively, you may use the apache module **mod_jk** for that purpose. By doing so, you make use of an internal connector, thus not exposing any jetty port to the outside.

Doing so is fairly easy:

Step 1: Edit httpd.conf

Add the following lines to the configuration file of your webserver, this will load the mod_jk module and will set some configuration parameters:

```
<IfModule !mod_jk.c>
    LoadModule jk_module          modules/mod_jk.so
</IfModule>
<IfModule mod_jk.c>
    JkWorkersFile "conf/worker.properties"
    JkLogFile "logs/mod_jk.log"

    JkLogLevel info
    JkLogStampFormat "[%a %b %d %H:%M:%S %Y] "
    JkOptions +ForwardKeySize +ForwardURICompat
</IfModule>
```

Step 2: Create and edit worker.properties file

In the configuration directory of your apache webserver, create a new file called worker.properties, containing the following lines:

```
worker.list=jetty

worker.jetty.port=8007
worker.jetty.host=dns or ip of your host
worker.jetty.type=ajp13
worker.jetty.lbfactor=1
```

Step 3: Edit the jetty-daisywiki.xml

Edit the file \$DAISY_HOME/daisywiki/conf/jetty-daisywiki.xml and replace the http Socket Listener with an AJP13-Listener. The file should look like:

```
<Configure class="org.mortbay.jetty.Server">
  <Call name="addListener">
    <Arg>
      <New class="org.mortbay.http.ajp.AJP13Listener">
        <Set name="port">8007</Set>
      </New>
    </Arg>
  </Call>
```

1. http://cocoondev.org/daisydocs-1_4/admin/99.html

```
<Call name="addWebApplication">
  <Arg>/</Arg>
  <Arg><SystemProperty name="daisywiki.home"/>/webapp</Arg>
  <Set name="defaultsDescriptor"><SystemProperty name="daisywiki.home"/>/conf/jetty-
daisywiki-defaults.xml</Set>
</Call>

</Configure>
```

Step 4: Edit virtual host settings

Inside your `httpd.conf`, edit the virtual host section that belongs to your daisy installation. Use the `JkMount` command in order to pass all request through to the jetty servlet engine:

```
<VirtualHost your.host.com:*>
  ServerName your.host.com
  ServerAdmin serveradmin@your.host.com
  ## you may add further entries concerning log-files, log-level, URL-rewriting, ...

  ## pass requests through to jetty worker
  JkMount /* jetty

</VirtualHost>
```

Step 5: Restart jetty and apache

Restart both Jetty and your apache webserver, thus the changes will take effect.

Links

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Jetty FAQ: Can Jetty be run with mod_jk?
<http://jetty.mortbay.org/jetty/faq?s=700-Clustering&t=modjk>

The Apache Jakarta Tomcat Connector
<http://tomcat.apache.org/connectors-doc/>

Fields

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