

# Off-line page generation with Cocoon

## 2.1.7

Offline page generation with Cocoon is very easy to achieve, using the steps described here.

### Build Site.bat

I modified the build.bat in the Cocoon package, and made a buildSite.bat. I modified the section below. As you see, the ant build now calls build\_newsite.xml

```
call %ANT_HOME%\bin\ant -buildfile
build_newsite.xml-Djava.endorsed.dirs=lib\endorsed-logger
org.apache.tools.ant.NoBannerLogger-emacs %1 %2 %3 %4 %5 %6 %7 %8 %9
```

The entire buildSite.bat file:

(From the Cocoon distribution)

```
@echo offrem Copyright 1999-2004 The Apache Software Foundationremrem
Licensed under the Apache License, Version 2.0 (the "License");rem you may not
use this file except in compliance with the License.rem You may obtain a copy of the
License atremrem http://www.apache.org/licenses/LICENSE-2.0remrem Unless
required by applicable law or agreed to in writing, softwarerem distributed under the
License is distributed on an "AS IS" BASIS,rem WITHOUT WARRANTIES OR
CONDITIONS OF ANY KIND, either express or implied.rem See the License for the
specific language governing permissions andrem limitations under the
License.remrem-----rem
build.bat - Win32 Build Script for Apache Cocoonremrem $Id: build.bat 54516
2004-10-11 08:27:11Z cziegeler
$rem----- rem ----- Ignore
system CLASSPATH variableset OLD_CLASSPATH=%CLASSPATH%set
CLASSPATH=for %%i in (lib\endorsed\*.jar) do call tools\bin\appendcp.bat %%i rem
----- Use Ant shipped with Cocoon. Ignore installed in the system Antset
OLD_ANT_HOME=%ANT_HOME%set ANT_HOME=tools call
%ANT_HOME%\bin\ant-buildfile
build_newsite.xml-Djava.endorsed.dirs=lib\endorsed-logger
org.apache.tools.ant.NoBannerLogger-emacs %1 %2 %3 %4 %5 %6 %7 %8 %9 rem
----- Restore ANT_HOME and ANT_OPTSset
ANT_HOME=%OLD_ANT_HOME%set OLD_ANT_HOME= rem ----- Restore
CLASSPATHset CLASSPATH=%OLD_CLASSPATH%set OLD_CLASSPATH=
```

### Build XML.

The build XML file that builds Cocoon can also be used as it is (almost)

Just alter the cocoon.context to point at your project.

```
<property name="cocoon.context" value="E:\Program\Apache Software Foundation\Tomcat 5.5\webapps\kocoon"/>
```

## The entire build XML file

(From the Cocoon distribution)

```
<?xml version="1.0"?><project default="cocoon" basedir="."> <property name="cocoon.context" value="E:\Program\Apache Software Foundation\Tomcat 5.5\webapps\kocoon"/> <path id="cocoon.classpath"> <dirset dir="{cocoon.context}/WEB-INF/classes"/> <fileset dir="{cocoon.context}/WEB-INF/lib" includes="*.jar"/> </path> <taskdef name="cocoon" classname="org.apache.cocoon.CocoonTask" classpathref="cocoon.classpath"/> <target name="cocoon"> <cocoon verbose="true" classpathref="cocoon.classpath" follow-links="true" precompile-only="false" confirm-extensions="false" context-dir="{cocoon.context}" config-file="WEB-INF/cocoon.xconf" work-dir="build/work" dest-dir="build/dest" default-filename="index.html" accept="*/"> <broken-links type="xml" file="brokenlinks.xml" generate="false" extension=".error"/> <logging log-kit="{cocoon.context}/WEB-INF/logkit.xconf" logger="cli" level="DEBUG" /> <uris name="site" follow-links="true"> <uri type="append" src-prefix="" src="index.html" dest="{cocoon.context}/build/dest"/> </uris> </cocoon> </target></project>
```

## Executing the offline page generation

First, set some environment variables to point at your build.

```
E:\cocoon-2.1.7>SET COCOON_HOME=e:\cocoon-2.1.7E:\cocoon-2.1.7>SET COCOON_LIB=E:\Program\Apache Software Foundation\Tomcat 5.5\webapps\kocoon\WEB-INF\libE:\cocoon-2.1.7>SET JETTY_WEBAPP=E:\Program\Apache Software Foundation\Tomcat 5.5\webapps\kocoon
```

Then, start the Jetty server for Cocoon

```
E:\cocoon-2.1.7>cocoon servlet -c webapp -w temp\work
```

Now, you should have Jetty running at port 8888. (Not immediately, of course)

Then, you might have to copy the servlet.jar to your web application.

From:

```
E:\cocoon-2.1.7\tools\jetty\lib\servlet*.jar
```

To:

E:\Program\Apache Software Foundation\Tomcat 5.5\webapps\kocoon\WEB-INF\lib

Execute the build

E:\cocoon-2.1.7>buildSite