

JCSLogging

You can ignore the JCS warnings, they do not affect normal behavior.

Latest JCS

The latest JCS uses commons logging, so you can add the following to web.xml so that JCS logs go through Cocoon's logkit:

```
<init-param>
  <param-name>force-property</param-name>
  <param-value>
    org.apache.commons.logging.Log=org.apache.commons.logging.impl.LogKitLogger
  </param-value>
</init-param>
```

This may affect the logging of other classes running in the JVM since it sets a System property.

If you execute cocoon from the commandline, add `-Dorg.apache.commons.logging.Log=org.apache.commons.logging.impl.LogKitLogger` to the command line.

[Email](#) discussion.

Older JCS

If you want to get rid the logs from the console, then you need to configure log4j, ie: in WEB-INF/classes create a file called log4j.properties and place this inside the file (replacing each YOUR-*-FILENAME with a real path and filename):

```
#####
# Root log4j appender
log4j.rootCategory = INFO, root
log4j.appender.root = org.apache.log4j.FileAppender
log4j.appender.root.File = <YOUR-DEFAULT-LOGGING-FILENAME>
log4j.appender.root.layout = org.apache.log4j.PatternLayout
log4j.appender.root.layout.ConversionPattern = %-5r %-5p [%t] %c{2} - %m%n
log4j.appender.root.Append = false
# Apache JCS cache
log4j.category.org.apache.jcs = INFO, jcs
log4j.appender.jcs = org.apache.log4j.FileAppender
log4j.appender.jcs.File = <YOUR-JCS-LOGGING-FILENAME>
log4j.appender.jcs.layout = org.apache.log4j.PatternLayout
log4j.appender.jcs.layout.ConversionPattern = %-5r %-5p [%t] %c{2} - %m%n
log4j.appender.jcs.Append = false
#####
```

[Email](#) discussion.