

File log4j.properties

Il file log4j.properties, è utilizzato per configurare le modalità di logging in geoweb.

Si possono specificare, tra l'altro, Logging Level selettivamente e su quali file verranno salvati i log. Per una guida completa fare riferimento a quella ufficiale

[<https://logging.apache.org/log4j/2.x/manual/configuration.html#Additivity|qui>]].

Logging Level

In ordine crescente dal meno al più restrittivo:

- ALL All levels including custom levels.
- DEBUG Designates fine-grained informational events that are most useful to debug an application.
- INFO Designates informational messages that highlight the progress of the application at coarse-grained level.
- WARN Designates potentially harmful situations.
- ERROR Designates error events that might still allow the application to continue running.
- FATAL Designates very severe error events that will presumably lead the application to abort.

Altri supporti:

- OFF The highest possible rank and is intended to turn off logging.
- TRACE Designates finer-grained informational events than the DEBUG.

Per quanto riguarda in geoweb, si dovrebbe impostare il logging level a DEBUG in fase di collaudo, ed ad INFO o ERROR in produzione.

Log generati da librerie di terze parti, come Activiti e MongoDB vengono in genere tenuti con logging level più restrittivi, come ERROR, a meno di specifiche necessità di debugging.

I log relativi al GwMailService sono in genere configurati per essere loggati su un file separato.

Template log4j.properties (Webclient)

```
<code> # Set root logger level to DEBUG and its appenders to A1 and file # A1 and file are arbitrary alias names for specific appender, configured below log4j.rootLogger=DEBUG, A1, file
```

```
log4j.logger.com.geowebframework=DEBUG, A1, file
```

```
#Mitigates Activiti logs applying ERROR log level log4j.logger.org.activiti=ERROR, A1
```

```
#Mitigates MongoDB logs applying ERROR log level log4j.logger.org.mongodb.driver.cluster=ERROR, A1
```

```
#Mitigates GW Security logs applying INFO log level
```

log4j.logger.com.geowebframework.webclient.security.LogFileLogger=INFO,access

```
#####  
##### # A1 is set to be a ConsoleAppender  
#####  
##### log4j.appender.A1=org.apache.log4j.ConsoleAppender  
log4j.appender.A1.layout=org.apache.log4j.PatternLayout # Print the date in ISO 8601 format  
log4j.appender.A1.layout.ConversionPattern=%d [%t] %-5p %c - %m%n
```

```
#####  
##### # file is set to be a RollingFileAppender  
#####  
##### log4j.appender.file=org.apache.log4j.RollingFileAppender  
log4j.appender.file.layout=org.apache.log4j.PatternLayout  
log4j.appender.file.File=${catalina.home}/logs/geoweb_client.log log4j.appender.file.append=true  
log4j.appender.file.MaxFileSize=10000KB log4j.appender.file.MaxBackupIndex=10  
log4j.appender.file.layout.ConversionPattern=%d [%t] %-5p %c - %m%n
```

```
#####  
##### # GwMailService # # add this section to logs on a separated custom file  
#####  
##### log4j.logger.com.geowebframework.calendar.service.GwMailService=DEBUG, A1,  
gwMailServiceAppender
```

```
log4j.appender.gwMailServiceAppender=org.apache.log4j.RollingFileAppender  
log4j.appender.gwMailServiceAppender.File=${catalina.home}/logs/gwMail.log  
log4j.appender.gwMailServiceAppender.layout=org.apache.log4j.PatternLayout  
log4j.appender.gwMailServiceAppender.append=true  
log4j.appender.gwMailServiceAppender.MaxFileSize=10000KB  
log4j.appender.gwMailServiceAppender.MaxBackupIndex=10  
log4j.appender.gwMailServiceAppender.layout.ConversionPattern=%d [%t] %-5p %c - %m%n
```

log4j.additivity.com.geowebframework.calendar.service.GwMailService=false <code>

Template log4j.properties (Webadmin)

<code> # Set root logger level to DEBUG and its appenders to A1 and file # A1 and file are arbitrary alias names for specific appender, configured below log4j.rootLogger=DEBUG, A1, file

log4j.logger.com.geowebframework=DEBUG, A1, file

#Mitigates Activiti logs applying ERROR log level log4j.logger.org.activiti=ERROR, A1

```
#####  
##### # A1 is set to be a ConsoleAppender  
#####  
##### log4j.appender.A1=org.apache.log4j.ConsoleAppender  
log4j.appender.A1.layout=org.apache.log4j.PatternLayout # Print the date in ISO 8601 format  
log4j.appender.A1.layout.ConversionPattern=%d [%t] %-5p %c - %m%n
```

```
#####  
##### # file is set to be a RollingFileAppender  
#####  
##### log4j.appender.file=org.apache.log4j.RollingFileAppender  
log4j.appender.file.layout=org.apache.log4j.PatternLayout  
log4j.appender.file.File=${catalina.home}/logs/geoweb_admin.log log4j.appender.file.append=true  
log4j.appender.file.MaxFileSize=10000KB log4j.appender.file.MaxBackupIndex=10  
log4j.appender.file.layout.ConversionPattern=%d [%t] %-5p %c - %m%n <code>
```

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