

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)

```
# 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
```

Template log4j.properties (Webadmin)

```
# 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
```

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