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 qui.

Logging Level

Impostando un logging level, si avrà come effetto quello di visualizzare loggati solo i messaggi di pari livello o superiore. Ecco la lista dei 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.
- **OFF** The highest possible rank and is intended to turn off logging.

Altri:

- **TRACE** Designates finer-grained informational events than the DEBUG.

Per quanto riguarda in Geoweb, è buona prassi impostare il logging level a DEBUG in fase di sviluppo/dispiegamento in ambiente di test/collaudo, ed ad WARN od ERROR in produzione.

Log generati da librerie di terze parti, come Activti e MongoDB vengono in genere tenuti sempre 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)

log4j.properties

```
# 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

#Avoid multiple log rows
```

```
log4j.additivity.com.geowebframework=false

#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.RollingFileAppend
er
log4j.appender.gwMailServiceAppender.File=${catalina.home}/logs/gwMail.
log
log4j.appender.gwMailServiceAppender.layout=org.apache.log4j.PatternLay
out
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=fal
se
```

Template log4j.properties (Webadmin)

log4j.properties

```
# 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

#Avoid multiple log rows
log4j.additivity.com.geowebframework=false

#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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