

PRIORITIES

I evel Description

Output of all messages ALL TRACE Detailed Debugging

DEBUG Debugging (Method xyz called with param abc ...) General information (Program started/ended. INFO

connected to host foo, calculation took n seconds)

Unexpected situation WARN **ERROR** Error (Exception caught) FATAL Critical error, program stops OFF Logging is deactivated

Usage:

log4j.rootLogger=Level, Appender, Appender, ...

log4j.logger.NameOfLogger=Level

APPENDERS

Name Writes to

Standard Output (Console) ConsoleAppender

FileAppender

RollingFileAppender File, creates a new based on file size

DailyRollingFileAppender File, creates a new based on time

SyslogAppender **UNIX Sysloa** NTEventLogAppender Windows Event-Log

SMTPAppender E-Mail

net.SocketAppender Socket (client mode) net.SocketHubAppender Socket (server mode)

Usage:

log4j.appender.Appender=org.apache.log4j.Name

LAYOUTS

Description Name

PatternLayout Conversion pattern, see top right

SimpleLavout Level and message

TTCCLayout = Time, Thread, Category, Context

HTMLLayout HTML Table

XMLLayout XMI

Usage:

log4j.appender.Appender.layout=org.apache.log4j.Name

PATTERN LAYOUT

c category; a.b.c \rightarrow %c{2} = a.b C fully qualified class name (slow);

org.apache.xyz.SomeClass → %C{1} = SomeClass

d date: %d{HH:mm:ss,SSS}.

%d{ABSOLUTE}, %d{DATE}, %d{ISO8601}

F file name (extremly slow)

location (extremly slow)

L /ine number (extremly slow)

% percent sign

m *m*essage

M *m*ethod name (extremly slow)

n line separator: \n or \r\n

milliseconds from layout construction

thread name

x nested diagnostic context of thread

X mapped diagnostic context of thread; %X{key}

FORMAT MODIFIER

Modifier	left justify	min. width	max. width	Comment
%20c	false	20	none	Left pad with spaces if content is less than 20 characters long.
%-20c	true	20	none	Right pad with spaces if content is less than 20 characters long.
%.30c	n/a	none	30	Truncated from the beginning if content is longer than 30 characters.
%20.30c	false	20	30	Left pad with spaces if content is shorter than 20 characters.
				Truncate from the beginning if content is longer than 30 characters.
%-20.30c	true	20	30	Right pad with spaces if content is shorter than 20 characters.
				Truncate from the beginning if content is longer than 30 characters.

EXAMPLE

log4j.rootLogger=WARN, stdout, logfile, socket

log4j.appender.stdout=org.apache.log4j.ConsoleAppender

log4j.appender.stdout.layout=org.apache.log4j.PatternLayout

log4j.appender.stdout.layout.ConversionPattern=%-5p [%-4t] %-25.25c %m%n

log4j.appender.logfile=org.apache.log4j.RollingFileAppender

log4j.appender.logfile.File=\${java.io.tmpdir}/myapp.log

log4j.appender.logfile.MaxFileSize=512KB

log4j.appender.logfile.MaxBackupIndex=3

log4j.appender.logfile.layout=org.apache.log4j.PatternLayout

log4i.appender.logfile.lavout.ConversionPattern=%d %r [%t] %-5p %c %x - %m%n

log4j.appender.socket=org.apache.log4j.net.SocketHubAppender

log4j.appender.socket.port=10005

log4j.appender.socket.locationInfo=true

log4j.logger.com.my.app=DEBUG