

Re: log4j and log file lock?

Source: <http://coding.derkeiler.com/Archive/Java/comp.lang.java.programmer/2007-08/msg01663.html>

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On Aug 15, 2:25 pm, alejandrina <apat...@xxxxxxxxxx> wrote:

Hi all,

We have a processor farm (currently 8 machines) running the same application with different input parameters. We use log4j to record interesting stuff; we'd like to use a single log file in a networked disk. We noticed that the 8 machines are trampling on each other as they write to the log file (symptoms are nulls embedded in messages, incomplete messages, duplicate messages....). I have assumed that this is because access to the log file is not "locked" (using something like Java's FileLock API).

Is there a solution to this problem? Thread synchronization is not an option, of course, as these are different computers.

Thanks for any ideas,

Alejandrina

You can also look at the SocketAppender/SimpleSocketServer (It is in the same package as the Syslog appender mentioned by Owen.)

<http://logging.apache.org/log4j/docs/api/org/apache/log4j/net/package-summary.html>

I've seen SocketAppender+SimpleSocketServer being used at several instances which are similar to your setup. One thing to be careful about is the message rate; which, if faster than the network (connection to the server), will cause the client to block.

-cheers,
Manish

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