Events log4j Parser (events-log4j-parser) TODO

* Try on a large log file. After releasing support for log4j pattern parsing, did not try it on large files.
* lg rate log-level:ERROR from: to:
* Add the logic to lg to detect crossing timestamps.
* **Format instances thread safety**. Remove public static final SimpleDateFormat and other Formats everywhere, and replace them with static method that create the instances on demand. We need to do this because Format instances are not thread safe. See io.novaordis.events.api.event.DateProperty. getDefaultDateFormat() as example.
* **Field Query Sanity Check.** If we are using a field query, and none of the events query has that field, warn, because we may be using the wrong field name, not field content.
* **lims.** Write the equivalent of the shell “lims” in log4jp. The bottom limit should not be obtained via sequential processing, but we should go to the end of the file on disk and start processing from there up.
* **Compare output with grep.** Figure out this, why grep finds more events than us:

NOMBP2:03-local-sparky-2.10-3CPU ovidiu$ grep "[0-2]\\d:[0-5]\\d:[0-5]\\d,\\d\\d\\d " server.log | wc -l

84440

NOMBP2:03-local-sparky-2.10-3CPU ovidiu$ log4jp ./server.log | wc -l

78550