20190111

熟悉log4cpp的用法,动手敲代码

http://blog.csdn.net/liuhong135541/article/category/1496383

log4cpp配置及测试用例

Configurator.hh RemoteSyslogAppender.hh config-win32.h RollingFileAppender.hh convenience.h SimpleConfigurator.hh SimpleLayout.hh Export.hh StringQueueAppender.hh FactoryParams.hh FileAppender.hh SyslogAppender.hh Filter.hh threading FixedContextCategory.hh TimeStamp.hh HierarchyMaintainer.hh TriggeringEventEvaluatorFactory.hh IdsaAppender.hh TriggeringEventEvaluator.hh LayoutAppender.hh Win32DebugAppender.hh Layout.hh pp\$cd ~/Documents/Cpractice/20190111 kyle@ubuntu: log4cpp log4cpp Homework 111scd log4cpp kyle@ubuntu: pp\$ls log4cpptest Log4cppTest.cc program.log kyle@ubuntu:log4cpp\$./log4cpptest 1548051797 ERROR : root error 1548051797 ERROR sub1 : sub1 error 1548051797 WARN sub1 : sub1 warn 1548051797 WARN : 1 + 1 == two ? 1548051797 ERROR : Streamed root error 1548051797 ERROR sub1 : Streamed sub1 error 1548051797 WARN sub1 : Streamed sub1 warn 1548051797 ERROR : Another streamed error

按级别输出测试

kyle@ubuntu:log4cpp\$

```
kyle@ubuntu:log4cpp_Homework$g++ log4cpp1.cc -llog4cpp -lpthread
kyle@ubuntu:log4cpp_Homework$./a.out
2019-01-21 21:07:00,546 maCat [FATAL] this is an emerg message
2019-01-21 21:07:00,547 maCat [FATAL] this is an fatal message
2019-01-21 21:07:00,547 maCat [ALERT] this is an alert message
2019-01-21 21:07:00,547 maCat [ERROR] this is an error message
2019-01-21 21:07:00,547 maCat [INFO] this is an info message
2019-01-21 21:07:00,547 maCat [CRIT] this is an crit message
2019-01-21 21:07:00,547 maCat [DEBUG] this is an debug message
kyle@ubuntu:log4cpp_Homework$exit
exit
kvle@ubuntu:log4cpp_Homework$g++ log4cpp1.cc -llog4cpp -lpthread
```

rolling实现

```
1 2019-01-21 21:07:00,546 maCat [FATAL] this is an emerg message 2 2019-01-21 21:07:00,547 maCat [FATAL] this is an fatal message 3 2019-01-21 21:07:00,547 maCat [ALERT] this is an alert message 4 2019-01-21 21:07:00,547 maCat [ERROR] this is an error message 5 2019-01-21 21:07:00,547 maCat [INFO] this is an info message 6 2019-01-21 21:07:00,547 maCat [CRIT] this is an crit message 7 2019-01-21 21:07:00,547 maCat [DEBUG] this is an debug message 8 2019-01-21 21:11:17,194 maCat [FATAL] this is an emerg message 9 2019-01-21 21:11:17,194 maCat [FATAL] this is an fatal message 10 2019-01-21 21:11:17,195 maCat [ALERT] this is an alert message 11 2019-01-21 21:11:17,195 maCat [ERROR] this is an error message 12 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 12 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 13 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 14 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 15 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 17 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 18 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:11:17,195 maCat [CRIT] this is an crit message 19 2019-01-21 21:11:11:17,195 maCat [CRIT] this is
```

```
kyle@ubuntu:log4cpp Homework
kyle@ubuntu:rolling
$ls
a.out rollingwd.log rollingwd.log.2
log4cpp1.cc rollingwd.log.1 rollingwd.log.3
kyle@ubuntu:rolling
```

```
int main(void)

{
    cout << "hello,world"<<endl;

    logInfo("Message"); //或者
    logError("Message");
    logWarn("Message");
    logDebug("Message");
}</pre>
```

加分项:输出的日志信息中最好能有文件的名字,函数的名字及其所在的行号 //使用单例模式 class Mylogger { public: void warn(const char * msg); void error(const char * msg); void debug(const char * msg); void info(const char * msg);

```
$g++ *.cc -llog4cpp -lpthread
kyle@ubuntu:l
                      $./a.out
log()
2019-01-23 16:05:31,447 Category [WARN] [Testlogsystem.cc:test2:34] this is a error message!
2019-01-23 16:05:31,447 Category [INFO] [Testlogsystem.cc:test2:35] this is a error message!
2019-01-23 16:05:31,447 Category [DEBUG] [Testlogsystem.cc:test2:36] this is a error message!
kyle@ubuntu:log_system$exit
exit
[No write since last change]
kyle@ubuntu:
                      $g++ *.cc -llog4cpp -lpthread
kyle@ubuntu:log_syste
                      $./a.out
2019-01-23 16:06:06,698 Category [ERROR] [Testlogsystem.cc:test0:16] this is an error messages
2019-01-23 16:06:06,699 Category [WARN] this is an warn messages!
2019-01-23 16:06:06,700 Category [INFO] this is an info messages!
2019-01-23 16:06:06,700 Category [DEBUG] this is an debug messages!
Logsystem::Priority::WARN = 301
Logsystem::Priority::ERROR= 300
Logsystem::Priority::INFO= 302
Logsystem::Priority::DEBUG= 303
kyle@ubuntu:log_system$exit
[No write since last change]
kyle@ubuntu:
                      $g++ *.cc -llog4cpp -lpthread
kyle@ubuntu:log
                      $./a.out
Testlogsystem.cc 29 test1
```