


GTest not compiling #708

New issue

 Closed

 BstlWstl opened this issue on Feb 8, 2016 · 2 comments

BstlWstl commented on Feb 8, 2016

Hello,

today i wanted to use gtest with my eclipse / mingw makefile project.

On my machine(Win7) is a working mingw toolchain installed.

I followed the instructions on

<http://www.codeproject.com/Articles/811934/Cplusplus-unit-test-start-guide-how-to-set-up-Goog>

to set up gtest. But when i try to run the tests i get the following errors:

```
Info: Internal Builder is used for build
g++ "-IC:\\Users\\XXX\\eclipse_playground_workspace\\unitttest\\include" "-IC:\\Users\\XXX\\eclipse_
g++ "-IC:\\Users\\XXX\\eclipse_playground_workspace\\unitttest\\include" "-IC:\\Users\\XXX\\eclipse_
g++ -O0 -g3 -Wall -c -fmessage-length=0 -o "src\\factorial.o" "..\\src\\factorial.cpp"
g++ "-IC:\\Users\\XXX\\eclipse_playground_workspace\\unitttest\\gtest_src" -O0 -g3 -Wall -c -fmessage
..\gtest_src\gtest\gtest-all.cc: In constructor 'testing::internal::Mutex::Mutex()':
..\gtest_src\gtest\gtest-all.cc:8791:45: error: cannot convert 'CRITICAL_SECTION*' {aka '_CRITICAL_SEC
critical_section_(new CRITICAL_SECTION) {
^
..\gtest_src\gtest\gtest-all.cc:8792:48: error: cannot convert '_RTL_CRITICAL_SECTION*' to 'LPCRITIC
::InitializeCriticalSection(critical_section_);
^
..\gtest_src\gtest\gtest-all.cc: In destructor 'testing::internal::Mutex::~Mutex()':
..\gtest_src\gtest\gtest-all.cc:8802:46: error: cannot convert '_RTL_CRITICAL_SECTION*' to 'PCRITICA
::DeleteCriticalSection(critical_section_);
^
..\gtest_src\gtest\gtest-all.cc: In member function 'void testing::internal::Mutex::Lock()':
..\gtest_src\gtest\gtest-all.cc:8810:43: error: cannot convert '_RTL_CRITICAL_SECTION*' to 'LPCRITIC
::EnterCriticalSection(critical_section_);
^
..\gtest_src\gtest\gtest-all.cc: In member function 'void testing::internal::Mutex::Unlock()':
..\gtest_src\gtest\gtest-all.cc:8820:43: error: cannot convert '_RTL_CRITICAL_SECTION*' to 'LPCRITIC
::LeaveCriticalSection(critical_section_);
^
..\gtest_src\gtest\gtest-all.cc: In member function 'void testing::internal::Mutex::ThreadSafelazyIn
..\gtest_src\gtest\gtest-all.cc:8841:27: error: cannot convert 'CRITICAL_SECTION* {aka '_CRITICAL_SEC
critical_section_ = new CRITICAL_SECTION;
^
..\gtest_src\gtest\gtest-all.cc:8842:54: error: cannot convert '_RTL_CRITICAL_SECTION*' to 'LPCRITIC
::InitializeCriticalSection(critical_section_);
^
..\gtest_src\gtest\gtest-all.cc: In static member function 'static void testing::internal::ThreadLoc
..\gtest_src\gtest\gtest-all.cc:9044:21: error: '::OpenThread' has not been declared
HANDLE thread = ::OpenThread(SYNCHRONIZE | THREAD_QUERY_INFORMATION,
^

13:31:56 Build Finished (took 3s.12ms)`
```

I tried to build it directly without eclipse. So i used cmake with mingw makefile configuration. But results stay the same when executing mingw32-make

Am i missing something?

Do i need special packages from the mingw installation?

Thanks in advance for your help.

Assignees

No one assigned

Labels

None yet


Projects

None yet

Milestone

No milestone

Notifications

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3 participants




GregoryJWolfe commented on Feb 19, 2016


I had a similar problem building the openh264 test code in a MinGW environment, but only got error messages on the *CRITICAL_SECTION* lines. On a hunch, I tried adding specific type casts as indicated by the compiler error messages. I was then able to successfully build and run the openh264 tests, all of which passed.

- 


 ilmagico referenced this issue on Feb 23, 2016

Fix compilation of googletest with MinGW using Win32 threads #721


Merged
- 


 p4535992 referenced this issue on May 23, 2016


Error google test when build a project with Eclipse and MinGW #784


Closed
- 

Nikolai-Hlubek added a commit to Nikolai-Hlubek/googletest that referenced this issue on Jul 4, 2016

 Fix for MinGW 4.8.1

ec2da63
- 

 BillyDonahue closed this in #721 on Aug 24, 2016

- 

This was referenced on Aug 25, 2016

GTest fails to build with MinGW hunter-packages/googletest#9

Closed

Backport fix for building unit-tests for gtest itself with Mingw hunter-packages/googletest#10

Merged




K0ertis commented on Feb 7, 2018

My compiler does not indicate any type casts, what did you do specific?




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