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How to use pthread on Qt Creator

I want to execute a following code.

```
#include <iostream>
#include <thread>

void output() {
    std::cout << "Hello World" << std::endl;
}

int main()
{
    std::thread t(output);
    t.join();

    return 0;
}
```

I can't execute it.

Qt Creator outputs terminate called **after throwing an instance of 'std::system_error'** what(): Operation not permitted

However I can execute on the terminal using the option **of** -pthread. Could you tell me how to use the option **of** -pthread in Qt Creator?

My developing environment is Ubuntu(12.04), g++4.6.3, Qt Creator(2.4.1).

Thank you.

c++


qt

c++11

qt-creator

edited Jul 30 '12 at 12:21

asked Jul 29 '12 at 15:40

 **hizz**
80 1 7


3 Answers

You also need to link against -pthread . If you use g++ main.cpp -std=c++0x -pthread you are doing all that in one step, so it works correctly. To make Qt do the correct things, add the following to your project file:

```
QMAKE_CXXFLAGS += -std=c++0x -pthread
LIBS += -pthread
```

edited Jul 30 '12 at 7:54

answered Jul 30 '12 at 7:48

 **inf**
10.2k 4 30 70

Thank you, but it is not working. Qt Creator outputs terminate called **after throwing an instance of 'std::system_error'** what(): . However, in Debug, it is working. What does this mean? – [hizz](#) Jul 30 '12 at 11:36

@hizz did you rebuild your project **after** changing the .pro file? – [inf](#) Jul 30 '12 at 15:28

Oh, it is working **after** rebuilding the project. I'll be careful from now on. – [hizz](#) Jul 30 '12 at 18:40

Thank you, It works for me. The only one needed is the last statement. – [Zhang LongQi](#) Nov 8 '13 at 7:34

@bamboon I've include pthread, why I still need set LIBS, That really confuse me. – [Zhang LongQi](#) Nov 8 '13 at 7:37

This works for me:

```
TEMPLATE = app
TARGET =
DEPENDPATH += .
INCLUDEPATH += .

# Input
SOURCES += test.cpp

QMAKE_CXXFLAGS += -std=gnu++0x -pthread
QMAKE_CFLAGS += -std=gnu++0x -pthread
```

Your example compiles and executes correctly with the above .pro file on my system.

Try save your example as test.cpp, and the above as project.pro in same directory. Then type:

```
$ qmake
$ make
$ ./project
Hello World
```

edited Jul 30 '12 at 6:48

answered Jul 29 '12 at 15:57



[Andrew Tomazos](#)

22k 10 70 147

Thank you for your response. However, it is not working. Qt Creator outputs terminate called **after throwing an instance of 'std::system_error'** what(): Operation not permitted. – [hizz](#) Jul 29 '12 at 16:02

Sorry I made a typo. Try again. – [Andrew Tomazos](#) Jul 29 '12 at 18:46

Thank you. Unfortunately, it is also not working. I have confirmation of a execution by typing "g++ test.cpp -std=c++0x -pthread" or "g++ test.cpp -std=gnu0x -pthread" on terminal. What could be wrong? Thank you. – [hizz](#) Jul 29 '12 at 19:35

Try again with the new .pro file above. And paste the output of make in your answer. – [Andrew Tomazos](#) Jul 30 '12 at 6:50

Thank you. I have tried it, but it is not working. Qt Creator outputs terminate called **after throwing an instance of 'std::system_error'** what(): . However, in Debug mode, it is working. What does it mean? – [hizz](#) Jul 30 '12 at 11:39

Add your command line arguments here: <http://doc.qt.nokia.com/qtcreator-2.4/creator-run-settings.html>

answered Jul 29 '12 at 15:55



[Stephen Chu](#)

8,905 1 12 26

Thank you. Can I add build option here? – [hizz](#) Jul 29 '12 at 16:08