
Subject: thread-local storage not supported for this target

Posted by [jiuzhi](#) on Mon, 12 Oct 2009 14:20:45 GMT

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I make a new project with template "CtrlLib application with mainwindow", and selected "Imagelist file" & "Multithreaded" flags

And then, I press F5 to build it. There some errors. How can I make it work.

In file included from f:/upp/out/Core/MINGW.Debug.Debug_full.Gui.Mt\$blitz.cpp:10:
f:/upp/uppsrc/Core/Mt.cpp:75: error: thread-local storage not supported for this target
f:/upp/uppsrc/Core/Mt.cpp:433: error: thread-local storage not supported for this target
f:/upp/uppsrc/Core/Mt.cpp:434: error: thread-local storage not supported for this target
In file included from f:/upp/out/Core/MINGW.Debug.Debug_full.Gui.Mt\$blitz.cpp:134 :
f:/upp/uppsrc/Core/Random.cpp:180: error: thread-local storage not supported for this target
f:/upp/uppsrc/Core/Random.cpp:181: error: thread-local storage not supported for this target
heaputil.cpp
lheap.cpp
In file included from f:/upp/out/Draw/MINGW.Debug.Debug_full.Gui.Mt\$blitz.cpp:3:
f:/upp/uppsrc/Draw/DrawLock.cpp:11: error: thread-local storage not supported for this target
In file included from f:/upp/out/Draw/MINGW.Debug.Debug_full.Gui.Mt\$blitz.cpp:10:
f:/upp/uppsrc/Draw/Font.cpp:266: error: thread-local storage not supported for this target
f:/upp/uppsrc/Draw/Font.cpp:328: error: thread-local storage not supported for this target
f:/upp/uppsrc/Draw/Font.cpp:355: error: thread-local storage not supported for this target
f:/upp/uppsrc/Draw/Font.cpp:356: error: thread-local storage not supported for this target
f:/upp/uppsrc/Draw/Font.cpp:357: error: thread-local storage not supported for this target

Subject: Re: thread-local storage not supported for this target

Posted by [mirek](#) on Mon, 12 Oct 2009 19:02:28 GMT

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jiuzhi wrote on Mon, 12 October 2009 10:20 I make a new project with template "CtrlLib application with mainwindow", and selected "Imagelist file" & "Multithreaded" flags

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f:\upp\uppsrc\Draw\Font.cpp:357: error: thread-local storage not supported for this target

U++ needs TLS. Mingw does not provide one.

Save yourself the trouble and get free M\$ Windows SDK (with compiler).

Mirek

Subject: Re: thread-local storage not supported for this target
Posted by [jiuzhi](#) on Mon, 12 Oct 2009 23:55:17 GMT

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[quote title=luzr wrote on Tue, 13 October 2009 03:02
U++ needs TLS. Mingw does not provide one.

Save yourself the trouble and get free M\$ Windows SDK (with compiler).

Mirek[/quote]

Under Chinese version windows, vs2005+(vs2003 excepted) cannot compile utf8 encoded source files properly. There're will be many C2001 errors, therefore I chose mingw to take the compiler.

Can I use other thread library? If can, what have to pay attention?

Because I look at upp just now two days, if asked the question is too bothersome or too tired with, I felt that was sorry very much.

Subject: Re: thread-local storage not supported for this target
Posted by [Sender Ghost](#) on Tue, 13 Oct 2009 05:20:55 GMT

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jiuzhi wrote on Mon, 12 October 2009 16:20 I make a new project with template "CtrlLib application with mainwindow", and selected "Imagelist file" & "Multithreaded" flags

And then, I press F5 to build it. There some errors. How can I make it work.

Hello, Jiang.

You didn't say about your version of GCC.

With 4.4.1 version of TDM's GCC such a package can be compiled.

Subject: Re: thread-local storage not supported for this target

Posted by [masu](#) on Tue, 13 Oct 2009 08:28:07 GMT

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Unfortunately, this does help in not getting the error but as reported here:

<http://www.ultimatepp.org/forum/index.php?t=msg&th=4583&start=0&>

it is very slow.

At least that is with Apps using GuiLock mechanism.

Regards,

Matthias

Subject: Re: thread-local storage not supported for this target

Posted by [koldo](#) on Tue, 13 Oct 2009 10:30:08 GMT

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... I think that Sender is right. There are new news about it ...

Subject: Re: thread-local storage not supported for this target

Posted by [masu](#) on Tue, 13 Oct 2009 11:33:05 GMT

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Koldo, have you tried the latest build (08/10/2009) ?

If that works I will also update my MingW installation.

Regards,

Matthias

Subject: Re: thread-local storage not supported for this target

Posted by [mirek](#) on Tue, 13 Oct 2009 12:10:41 GMT

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[quote title=jiuzhi wrote on Mon, 12 October 2009 19:55]luzr wrote on Tue, 13 October 2009 03:02
U++ needs TLS. Mingw does not provide one.

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Mirek[/quote]

Under Chinese version windows, vs2005+(vs2003 excepted) cannot compile utf8 encoded source files properly. There're will be many C2001 errors, therefore I chose mingw to take the compiler.

Yes, that is unfortunately true. We were trying to workaround this problem for years.... to no avail. The only known fix is to set your XP locals to English...

Quote:

Can I use other thread library? If can, what have to pay attention?

TLS is quite important building block of any serious MT effort, thus I guess it will be limiting issue anyway.

Of course, depends on what are you planing to do with MT. If performance is your concern, a good TLS implementation is a big plus.

Subject: Re: thread-local storage not supported for this target

Posted by [koldo](#) on Tue, 13 Oct 2009 12:10:50 GMT

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Hello Matthias

Sender Ghost did it before me!

TDM developed a new GCC 4.4.1 in 2009-10-08 (<http://www.tdragon.net/recentgcc/>)

In the TDM main page, News area, they say:

Quote:2009-10-08

The second TDM release of GCC 4.4.1 is finally available, fixing the bug that caused a major slowdown in nearly any non-trivial program. (This is the only change from the first release.)

This matches exactly with the problem we found in

<http://www.ultimatepp.org/forum/index.php?t=msg&goto=22800&>

GuiLock and GuiMT examples now work perfectly (my own MT applications too).

Really good news for MinGW supporters .

Best regards

Koldo

PD. If anybody uses SysInfo Bazaar package (in windows), please do not forget to copy additional include and lib files over new mingw install as documented

Subject: Re: thread-local storage not supported for this target

Posted by [mirek](#) on Sun, 18 Oct 2009 19:32:09 GMT

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koldo wrote on Tue, 13 October 2009 08:10Hello Matthias

Sender Ghost did it before me!

TDM developed a new GCC 4.4.1 in 2009-10-08 (<http://www.tdragon.net/recentgcc/>)

In the TDM main page, News area, they say:

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Really good news for MinGW supporters .

Best regards

Koldo

PD. If anybody uses SysInfo Bazaar package (in windows), please do not forget to copy additional include and lib files over new mingw install as documented

Intereseting. Do you thing that they have not better TLS support?

Have you checked in disassembler?

Mirek
