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Subject: Other Compiler

Posted by [Mq35](#) on Tue, 28 Feb 2017 23:03:50 GMT

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I have downloaded the toolchains (raspberry-gcc4.9.2-r4.exe).

How can I properly configure TheIDE to compile code for Raspberry?

How can I delete the wrong options "-DflagWIN32" "-mthreads" from compiler command line?

```
----- rasp ( MAIN GCC DEBUG DEBUG_FULL BLITZ WIN32 )
cd D:\upp\MyApps\rasp
rasp.cpp
arm-linux-gnueabi-gcc -c -I"D:\upp\MyApps" -I"D:\upp\uppsrc" -I"D:\upp\SysGCC\include"
-I"D:/upp/out/MyApps/rasp/rrr.Debug.Debug_Full.Main" -DflagMAIN -D
flagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -mthreads -g2 -static
-fexceptions -D_DEBUG -O0 -gstabs -x c++ "D:\upp\MyApps\rasp\rasp.cpp" -o "D
:/upp/out/MyApps/rasp/rrr.Debug.Debug_Full.Main\rasp.o"
```

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Subject: Re: Other Compiler

Posted by [Mq35](#) on Wed, 01 Mar 2017 10:14:53 GMT

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Can I do to crosscompile from TheIDE?

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Subject: Re: Other Compiler

Posted by [Didier](#) on Sat, 04 Mar 2017 13:43:09 GMT

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Hy Mq35,

You can definitely cross compile with theide.

But you must have something wrong in your config : you have both flagGCC and flagWIN32 set. Usually you set these by selecting the proper 'builder' : GCC, MSC, CLANG, INTEL, ... in the 'build methods panel' :  
menu/setup/build methods.

I guess you are using a MSC builder and have set the flagGCC manually ?

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Subject: Re: Other Compiler  
Posted by [picoprof](#) on Tue, 06 Mar 2018 08:37:49 GMT  
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Hello,  
Do you succed to compile with theide on windows for raspberry. Can you gice us the .bm file and the configuration of the builder.  
I like the ide and i want use it for raspberry.  
Thank you

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Subject: Re: Other Compiler  
Posted by [Klugier](#) on Tue, 06 Mar 2018 20:25:08 GMT  
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Hello,

The problem with cross compilation is that GCC or MSCV like build methods targets current operating system. This is why -DflagWIN32 flag is added. Without chaining ide source code it will not be possible.

Cross compilation with TheIDE is possible. I manage to did it in the past by providing Android builder. It can be build from Windows and Linux and targets different architecture like x86, ARM & MIPS.

Picoprof, please read my post when I explain how to build ide on raspberry pi. Currently, this is the only reasonable way for you.

Sincerely,  
Klugier

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Subject: Re: Other Compiler  
Posted by [picoprof](#) on Wed, 07 Mar 2018 07:35:37 GMT  
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Thank you for the answer,  
I m going to test the install on raspberry  
bye

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Subject: Re: Other Compiler  
Posted by [Didier](#) on Mon, 12 Mar 2018 22:34:05 GMT  
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Hello picoprof,

cross compiling works fine with IDE and raspberry (I did it on linux with GCC not on windows).  
You can select any compiler available on you're install, all you have to do is :

- \* Create you're own build method
- \* Select compiler type used in build method
- \* set paths used for bin, lib and includes

The most complicated part is:

- \* to have the righ compiler ( I used arm-linux-gnueabi for my RPI2 )
- \* get the correct libs and includes corresponding to you're raspberry install :

for this step I extracted everything directly from the SD card of the PI (I have a doc in french that explains how to do it, I can PM it to you if you wan't)

This approach has the big advantage of being simple : add all you need to you're PI using YUM or other package manager and retrieve the config for cross compilation

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Subject: Re: Other Compiler

Posted by [picoprof](#) on Tue, 13 Mar 2018 06:22:39 GMT

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Hello didier,

Thank you for sending the doc in french, I'm not a king in english as you can read.

I was in holiday last week and I have n't work one the raspberry.

Thank for the answer.

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