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Subject: Re: Problems Compiling for WinCE (PPC2003) ARM

Posted by [mirek](#) on Wed, 03 Sep 2008 21:26:19 GMT

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niofis wrote on Fri, 22 August 2008 16:02-TheIDE on linux (I'm using Ubuntu 64bits) asks for gcc 4.1, I find it weird as the previous version worked fine with the gcc 4.2 compiler. But I think I found the problem, compilation with 4.2 sometimes makes TheIDE crash with a memory access error, and not only that, a program I'm trying to compile with it can no longer start because it crashes with the invalid memory access error, when compiled with the speed option, this didn't happen with the previous upp version though.

This is a confirmed error in GCC 4.2 (we have reported it in GCC's bugzilla and it was confirmed). That is why we are asking for 4.1, which works just fine.

Quote:

I have to use the Optimal or Debug setting, options that I don't like because I need the best speed I can get.

Optimal should be as fast as Fast...

Quote:

-On a related issue, when installing upp on FreeBSD (64bits) from ports, I had set the CFLAGS and CXXFLAGS to "-O3 -pipe -march=nocona -mfpmath=sse -msse -msse2 -ss3", and compiled (gcc 4.2.1) and installed, the initial setup couldn't finish as it crashed with a invalid memory access error, thing that didn't happen with the previous upp version. I had to coment out the CFLAGS and CXXFLAGS, recompile and reinstall, and then TheIDE would run fine.

IMO, the same thing. GCC 4.2 simply has serious bugs when compiling with -O3.

Quote:

I must mention that the target platform I refer with WINCE is PocketPC 2003 (Maybe that's the source of all problems), and these are the bms I'm using:

Well, I have to admit we have abandoned PocketPC for a while (nobody was using it, so no bug or problem reports etc...)

I guess it is time to restart efforts.

Have you tried that GCC version for PPC?

<http://cegcc.sourceforge.net>

At the moment, I do not like the idea of installing the whole visual studio just to get the commandline compiler. If I had working compiler, I could try to fix U++ at least to the 2007.1

level...

Mirek

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