Subject: TheIDE on FreeBSD -- Cannot link with pthread in debug mode
Posted by rycamor on Mon, 25 Sep 2006 21:56:45 GMT

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TheIDE runs fine in FreeBSD 6.1, but when I try to build the example apps in debug mode, they all end with

Linking...
/home/rick/upp/out/Core/GCC32.Debug.Gui/$blitz.o(.text+0x193): In function `Thread::Detach()':
: undefined reference to `pthread_detach'
/home/rick/upp/out/Core/GCC32.Debug.Gui/$blitz.o(.text+0x34e): In function `Thread::Wait(int)':
: undefined reference to `pthread_join'

When I build in 'release' (optimal) mode, they compile and link fine. Here is a diff I ran on the Makefiles in debug and release mode:

< Macro = -DflagGUI -DflagGCC -DflagDEBUG -DflagBLITZ -DflagFREEBSD
< CC = c++ -c -D_DEBUG -O0

> Macro = -DflagGUI -DflagGCC -DflagBLITZ -DflagFREEBSD
> CC = c++ -c -O2
12c12
< OutDir_AddressBook = $(UPPOUT)AddressBook/GCC32-Blitz-Debug-Freebsd-Gcc-Gui-Main/

> OutDir_AddressBook = $(UPPOUT)AddressBook/GCC32-Blitz-Freebsd-Gcc-Gui-Main/
14c14

...snip lots of similar output...

<   c++ -static -o $(OutFile) -ggdb $(LIBPATH) -Wl,-O,2 $(LINKOPTIONS) \

>   c++ -static -o $(OutFile) -Wl,-s $(LIBPATH) -Wl,-O,2 $(LINKOPTIONS) \

All other settings in "Output mode" are default. Could the difference be in "-s $(LIBPATH)"? I'm not too sure what -s means.

(Thanks for U++/TheIDE, BTW. It looks like a very nice toolkit so far)

Subject: Re: TheIDE on FreeBSD -- Cannot link with pthread in debug mode
Posted by masu on Tue, 03 Oct 2006 21:37:24 GMT

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Hi,
I am sorry, I am answering that late, but I was on vacation .

We had that problem before, you simply need to add library pthread for FreeBSD in the Core package (I assume you are compiling inside TheIDE).
You can have a look at this thread:
 http://www.arilect.com/upp/forum/index.php?t=msg&goto=37 92&#msg_3792.
I somehow missed to commit it, sorry .

Matthias

Subject: Re: TheIDE on FreeBSD -- Cannot link with pthread in debug mode
Posted by rycamor on Tue, 03 Oct 2006 23:43:42 GMT
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Thanks, that fixed it.

Having fun with UPP...