Subject: Cross-compiling for Raspbian
Posted by Giorgio on Wed, 12 Jul 2017 12:53:06 GMT
View Forum Message <> Reply to Message

Hi there,
I developed an application with ultimate++ and now I need to compile it for Raspbian. I am new to cross-compiling and searched the forum: I found a couple of threads, but they did not help. I am trying this toolchain http://gnutoolchains.com/raspberry/tutorial/, but I am so used to compile just pressing the F7 key, that I am stuck at the beginning. What is the command line to compile an application using gcc? It uses standard c++ libraries and ultimate++ libraries.
Thanks for any suggetsion,
Gio

Subject: Re: Cross-compiling for Raspbian
Posted by sergeynikitin on Thu, 27 Jul 2017 12:37:25 GMT
View Forum Message <> Reply to Message

Do this:
1) Install make environment (apt-get install build-essential)
2) get upp sources
3) make theide (command make in dir ide)
4) copy theide to folder /usr/local/bin or /home/pi/bin
5) run theide (may be from command line)
6) make U++ assembies (left pane during package selection)

then you may compile on raspberry directly.

It's very simple way.

For real cross-compile search google for "raspberry qemu emulator".

Subject: Re: Cross-compiling for Raspbian
Posted by Giorgio on Wed, 02 Aug 2017 12:47:22 GMT
View Forum Message <> Reply to Message

Hi Sergey,
thank you for your suggestion. Indeed, your solution is the simplest, cross-compiling is too much effort for a newbie. I have successfully compiled and installed theide and also compiled some of the example applications that come with theide. Now I am compiling my own application developed using theide on windows. Compiling times are quite long, the first time (when you have to compiled all the packages), once core packages are compiled compiling time is acceptable. For the sake of other people who may read this in future, to successfully compile theide on a fresh

installation of noobs/raspbian are needed the devel package of gtk, x11, bzlib2.
Thanks again,
Gio
