Subject: Makefile: propose to remove CXX
Posted by Mindtraveller on Sat, 30 Apr 2011 22:19:28 GMT
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When Makefile is made by TheIDE, the CXX directive is included:
CXX = c++

It is not that good when one's using non-default compiler (i.e. g++44 instead of c++). I propose removing this directive from generated Makefile or at least make it optional, when CXX is not defined by environment.

Subject: Re: Makefile: propose to remove CXX
Posted by dolik.rce on Sun, 01 May 2011 07:59:13 GMT
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Mindtraveller wrote on Sun, 01 May 2011 00:19When Makefile is made by TheIDE, the CXX directive is included:
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Hi Pavel,

It is easy to override the value on command line, but I understand that if you already have it in environment, it is annoying to write it every time.

There is a little problem: The CXX variable is not guaranteed to be defined if it is not stated in makefile. GNU make sets it to g++, BSD make probably too, but it is not in the POSIX specification so other implementations may differ. The conditional assignment CXX ?= c++, which would solve this elegantly is an extension as well. Again, it works in GNU make and BSD make, but it is not guaranteed to work everywhere...

The only fully POSIX compliant solution I can think of is using make with -e option, which causes environment variables to have higher precedence than macro definitions in makefile. The only downside of this (apart from having to type the additional '-e') is that if someone has an empty environment variable CXX, it overrides it as well.

So the question is whether we want to keep the makefile as portable as possible for the price of little inconvenience of typing few more characters for some users OR making it slightly less portable but easier to use. Anyone else has an opinion on this?

Best regards,
Honza