
Subject: Re: Building TheIDE with using CMake
Posted by [coolman](#) on Mon, 29 Aug 2016 10:31:58 GMT
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Hi,

The script now supports precompiled headers for GCC and Clang. Here are some measurements when building the ide:

Results using new PCH refactored code are red marked.

Upp source code:

git-svn-id: svn://ultimatepp.org/upp/trunk@10191 f0d560ea-af0d-0410-9eb7-867de7ffcac7 (last commit: .doc .ctrlib Change several image in GUI tutorial)

Notebook Dell Latitude E5440:

(cat /proc/cpuinfo | grep 'model name' | uniq)

model name : Intel(R) Core(TM) i5-4300U CPU @ 1.90GHz

(cat /proc/cpuinfo | grep processor | wc -l)

4

Ubuntu 14.04 LTS Linux:

(uname -a)

Linux ul001172 4.3.0-040300-generic #201511020949 SMP Mon Nov 2 15:04:56 UTC 2015 i686

i686 i686 GNU/Linux

(cmake --version)

cmake version 2.8.12.2

Using original Makefile

linux, gcc version 4.9.3 (Ubuntu 4.9.3-8ubuntu2~14.04)

00:24:24 - orig Makefile - 1 core (size: 11 872 144)

Using generated CMakeLists.txt

linux, gcc version 4.9.3 (Ubuntu 4.9.3-8ubuntu2~14.04)

00:27:12 - pch disable - 1 core (size: 15 339 076)

00:24:36 - pch enable - 1 core (size: 15 334 980)

00:10:39 - pch disable - 4 core (size: 15 339 076)

00:13:40 - pch disable - 4 core (size: 15 339 076)

00:12:40 - pch disable - 4 core (size: 15 339 076) (refactored code)

00:08:07 - pch enable - 4 core (size: 15 334 980)

00:09:28 - pch enable - 4 core (size: 15 334 980)

00:09:43 - pch enable - 4 core (size: 15 334 980)

00:06:14 - pch enable - 4 core (size: 15 334 980) (refactored code)

00:05:57 - pch enable - 4 core (size: 15 334 980) (refactored code)

linux, clang version 3.5.0-4ubuntu2~trusty2 (tags/RELEASE_350/final) (based on LLVM 3.5.0)

00:19:30 - pch disable - 1 core (size: 12 939 896)

00:15:48 - pch disable - 1 core (size: 12 939 896)

00:08:08 - pch enable - 1 core (size: 12 939 896)

00:09:06 - pch disable - 4 core (size: 12 939 896)

00:09:20 - pch disable - 4 core (size: 12 939 896) (refactored code)

00:04:36 - pch enable - 4 core (size: 12 939 896)

00:03:56 - pch enable - 4 core (size: 12 939 896)

00:03:54 - pch enable - 4 core (size: 12 939 896)

00:04:10 - pch enable - 4 core (size: 12 939 896) (refactored code)

00:04:40 - pch enable - 4 core (size: 12 939 896) (refactored code)

linux, cross-compilation, mingw32 gcc version 4.9.2 (GCC)

00:20:13 - pch disable - 1 core (size: 12 535 296)

00:13:02 - pch enable - 1 core (size: 12 513 280)

00:10:05 - pch disable - 4 core (size: 12 535 296)

00:10:11 - pch disable - 4 core (size: 12 535 296) (refactored code)

00:08:22 - pch enable - 4 core (size: 12 513 280)

00:08:19 - pch enable - 4 core (size: 12 513 280)

00:08:14 - pch enable - 4 core (size: 12 513 280)

00:04:30 - pch enable - 4 core (size: 12 513 280) (refactored code)

00:05:10 - pch enable - 4 core (size: 12 513 280) (refactored code)

linux, cross-compilation, mingw64 gcc version 4.9.2 (GCC)

00:20:28 - pch disable - 1 core (size: 13 800 448)

00:09:12 - pch enable - 1 core (size: 13 778 672)

00:11:13 - pch disable - 4 core (size: 13 800 448)

00:10:46 - pch disable - 4 core (size: 13 800 448)

00:10:35 - pch disable - 4 core (size: 13 800 448) (refactored code)

00:04:57 - pch enable - 4 core (size: 13 778 672)

00:04:40 - pch enable - 4 core (size: 13 778 672)

00:04:45 - pch enable - 4 core (size: 13 778 672)

00:05:05 - pch enable - 4 core (size: 13 778 672) (refactored code)

00:04:47 - pch enable - 4 core (size: 13 778 672) (refactored code)

Best regards, Radek
