
Subject: Re: [FEATURE] PCH support
Posted by [Shire](#) on Fri, 29 Jul 2011 12:53:22 GMT
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Weird diff format? It human readable! Use "patch" tool, Luke. See attachment.
I have no access to external SVN repository here.

Build time reducing in 1.5-3 times per single C++ file depend on compiler.
Benchmarks performed on uppsrc/ide package in full debug.
First build was full, with all files included. For include all files in blitz batch their dates made equal.
Second build performed after touching 4 files (Assist.cpp, AutoSetup.cpp, idewin.cpp, idebar.cpp).
Third build (touched same files) executed only for Blitz.

Core 2 Duo 2.4GHz, 2Gb RAM, WXP Pro, MSC 10SP1

No options (compile everything)

Toggle Spoiler

Full

ide: 45 file(s) built in (1:14.14), 1647 msec / file, duration = 79610 msec, parallelization 100%

Partial

ide: 4 file(s) built in (0:06.98), 1745 msec / file, duration = 7515 msec, parallelization 100%

PCH

Toggle Spoiler

Full PCH

ide: 46 file(s) built in (0:17.82), 387 msec / file, duration = 19250 msec, parallelization 100%

Partial PCH

ide: 4 file(s) built in (0:01.07), 268 msec / file, duration = 1172 msec, parallelization 95%

Blitz

Toggle Spoiler

Full Blitz

ide: 45 file(s) built in (0:07.44), 165 msec / file, duration = 8312 msec, parallelization 4%

Partial Blitz-2

ide: 44 file(s) built in (0:10.70), 243 msec / file, duration = 11437 msec, parallelization 96%

Partial Blitz-3

ide: 4 file(s) built in (0:06.88), 1721 msec / file, duration = 7485 msec, parallelization 100%

Blitz PCH

Toggle Spoiler

Full Blitz PCH

ide: 46 file(s) built in (0:07.90), 171 msec / file, duration = 8391 msec, parallelization 48%

Partial Blitz PCH-2

ide: 44 file(s) built in (0:04.50), 102 msec / file, duration = 4672 msec, parallelization 58%

Partial Blitz PCH-3

ide: 4 file(s) built in (0:01.02), 256 msec / file, duration = 1156 msec, parallelization 94%

TDI-mingw 4.5.1

No options (compile everything)

Toggle Spoiler

Full

ide: 45 file(s) built in (1:33.89), 2086 msecs / file, duration = 100406 msecs, parallelization 100%

Partial

ide: 4 file(s) built in (0:11.66), 2917 msecs / file, duration = 12359 msecs, parallelization 95%

PCH

Toggle Spoiler

Full PCH

ide: 46 file(s) built in (0:51.11), 1111 msecs / file, duration = 54797 msecs, parallelization 100%

Partial PCH

ide: 4 file(s) built in (0:05.16), 1291 msecs / file, duration = 5547 msecs, parallelization 98%

Blitz

Toggle Spoiler

Full Blitz

ide: 45 file(s) built in (0:28.86), 641 msecs / file, duration = 29438 msecs, parallelization 2%

Partial Blitz-2

ide: 44 file(s) built in (0:31.03), 705 msecs / file, duration = 31907 msecs, parallelization 73%

Partial Blitz-3

ide: 4 file(s) built in (0:10.46), 2616 msecs / file, duration = 11062 msecs, parallelization 94%

Blitz PCH

Toggle Spoiler

Full Blitz PCH

ide: 46 file(s) built in (0:29.18), 634 msecs / file, duration = 29672 msecs, parallelization 38%

Partial Blitz PCH-2

ide: 44 file(s) built in (0:25.95), 589 msecs / file, duration = 26407 msecs, parallelization 54%

Partial Blitz PCH-3

ide: 4 file(s) built in (0:04.82), 1205 msecs / file, duration = 5188 msecs, parallelization 100%