Ruby master - Bug #7817
(Unable to compile Ruby 2.0.0-rc2 on OSX (clang version 2.1)
02/10/2013 03:54 AM - injekt (Lee Jarvis)

Status: Rejected
Priority: Normal
Assignee: mrkn (Kenta Murata)
Target version: 2.0.0
ruby -v: 2.0.0-rc2
Backport:

Description
clang -v returns
Apple clang version 2.1 (tags/Apple/clang-163.7.1) (based on LLVM 3.0svn)
Target: x86_64-apple-darwin12.2.0
Thread model: posix

Here's the make output:
https://gist.github.com/injekt/4e26a6dee2ce42fc463d

The same version compiles fine with gcc on the same system, and reportedly compiles without issues on more recent versions of clang

Related issues:
Related to Ruby master - Bug #5076: Mac OS X Lion Support Closed 03/14/2011

History
#1 - 02/10/2013 09:13 AM - mame (Yusuke Endoh)
  - Status changed from Open to Feedback

Thank you for your report. Were you able to compile rc1 successfully?

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Yusuke Endoh mame@tsg.ne.jp

#2 - 02/10/2013 06:53 PM - kosaki (Motohiro KOSAKI)

  clang -v returns
  Apple clang version 2.1 (tags/Apple/clang-163.7.1) (based on LLVM 3.0svn)
  Target: x86_64-apple-darwin12.2.0
  Thread model: posix

  I recommend to use latest compiler. Following one works fine at least.
  Old clang has plenty bugs.

  Apple clang version 4.0 (tags/Apple/clang-421.0.57) (based on LLVM 3.1svn)
  Target: x86_64-apple-darwin12.2.0
  Thread model: posix

#3 - 02/11/2013 02:30 AM - injekt (Lee Jarvis)

  I believe I did compile rc1 successfully but I can't reproduce since I have updated clang, chances are it probably doesn't compile properly, though.

  I understand using an older version of clang would be an issue and that's fine, but we should state this in the install documentation somewhere, otherwise people using an older clang version having segfaults installing Ruby may not know to check this.

#4 - 02/17/2013 01:48 PM - ko1 (Koichi Sasada)
  - Assignee set to mame (Yusuke Endoh)
  - Priority changed from Normal to 5

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mrkn, what do you think?

Yusuke Endoh  mame@tsg.ne.jp

#6 - 02/17/2013 08:48 PM - naruse (Yui NARUSE)
- Status changed from Feedback to Rejected

As I wrote in #5076, CRuby requires "Apple clang version 3.0 (tags/Apple/clang-211.10.1) (based on LLVM 3.0svn)" or later. It is bundled with Xcode 4.2.
If you want to build old Xcode, use --with-gcc=gcc-4.2.

Old clang has many bugs like http://llvm.org/bugs/show_bug.cgi?id=8319

#7 - 02/20/2013 08:49 AM - jhaungs (Jim Haungs)

Compiling Ruby 2 RC2 with the latest Xcode fails on OSX 10.8.2.

clang -v
Apple LLVM version 4.2 (clang-425.0.24) (based on LLVM 3.2svn)
Target: x86_64-apple-darwin12.2.0
Thread model: posix

CC = gcc-4.2
LD = ld
LDSHARE = gcc-4.2 -dynamic -bundle
XCFLAGS = -include ruby/config.h -include ruby/missing.h -D_FORTIFY_SOURCE=2 -fstack-protector -fno-strict-overflow -fvisibility=hidden -DRUBY_EXPORT -fPIE
CPPFLAGS = -D_XOPEN_SOURCE -D_DARWIN_C_SOURCE -D_DARWIN_UNLIMITED_SELECT -D_REENTRANT -I/Users/jhaungs/.rvm/usr/include -I/Users/jhaungs/.rvm/usr/include -I. -I/ext/include/x86_64-darwin12.2.0 -I./include -I.
-ftack-protector -Wl,-u,_objc_msgSend -pie
SOLIBS =
compiling main.c
compiling dmydyln.c
compiling dmyencoding.c
compiling version.c
compiling dmyversion.c
compiling miniprelude.c
translating probes probes.d
. ./vm_opts.h
compiling array.c
compiling bignum.c
compiling class.c
compiling compar.c
compiling complex.c
compiling dir.c
compiling din_find.c
compiling enum.c
compiling enumerator.c
compiling error.c
compiling eval.c
compiling load.c
compiling proc.c
compiling file.c
compiling gc.c
compiling hash.c
compiling inits.c
compiling io.c
compiling marshal.c
compiling math.c
compiling node.c
compiling numeric.c
compiling object.c
compiling pack.c
compiling parse.c
compiling process.c
compiling random.c
compiling range.c
compiling rational.c
compiling re.c
compiling regcomp.c
compiling regenc.c
compiling regerror.c
compiling regexec.c
compiling regparse.c
compiling regsyntax.c
compiling ruby.c
compiling safe.c
compiling signal.c
compiling sprintf.c
compiling st.c
compiling strptime.c
compiling string.c
compiling struct.c
compiling time.c
compiling transcode.c
compiling util.c
compiling variable.c
compiling compile.c
compiling debug.c
compiling iseq.c
compiling compile.c
compiling debug.c
compiling iseq.c
compiling vm.c
compiling vm_dump.c
compiling vm_backtrace.c
compiling thread.c
compiling cont.c
compiling ./enc/ascii.c
compiling ./enc/us_ascii.c
compiling ./enc/unicode.c
compiling ./enc/utf_8.c
compiling newline.c
compiling ./missing/setproctitle.c
compiling dmyext.c
linking miniruby
ruby 2.0.0dev (2013-02-08 trunk 39161) [x86_64-darwin12.2.0]

-- Crash Report log information ------------------------------------------
See Crash Report log file under the one of following:
* ~/Library/Logs/CrashReporter
* /Library/Logs/CrashReporter
* ~/Library/Logs/DiagnosticReports
* /Library/Logs/DiagnosticReports
the more detail of.

-- Control frame information --------------------------------------------
c:0003 p:---- s:0030 e:002468 EVAL ./.tool/mkconfig.rb:11 [FINISH]
c:0002 p:0098 s:0026 E:002468 EVAL ./.tool/mkconfig.rb:11 [FINISH]
.c:0001 p:0000 s:0002 E:0025b8 TOP [FINISH]
   ./.tool/mkconfig.rb:11:in <main>'
   ./.tool/mkconfig.rb:11:inrequire'

-- C level backtrace information ----------------------------------------
0 miniruby 0x000000010d74ada4 rb_vm_bugreport + 164
1 miniruby 0x000000010d6228ee report_bug + 302
2 miniruby 0x000000010d6228ae4 rb_bug + 180
3 miniruby 0x000000010d74e10 vm_exec_core + 32080
4 miniruby 0x000000010d740effe vm_exec + 94
5 miniruby 0x000000010d741eca rb_iseq_eval + 266
6 miniruby 0x000000010d627502 rb_load_internal + 306
Loaded script: ./tool/mkconfig.rb

Loaded features:
0 enumerator.so

[NOTE]
You may have encountered a bug in the Ruby interpreter or extension libraries.
Bug reports are welcome.
For details: http://www.ruby-lang.org/bugreport.html

make: *** [.rbconfig.time] Abort trap: 6

#8 - 02/20/2013 08:59 AM - drbrain (Eric Hodel)

jhaungs (Jim Haungs) wrote:

Compiling Ruby 2 RC2 with the latest Xcode fails on OSX 10.8.2.

    clang -v
    Apple LLVM version 4.2 (clang-425.0.24) (based on LLVM 3.2svn)
    Target: x86_64-apple-darwin12.2.0
    Thread model: posix

    CC = gcc-4.2
    LD = ld
    LDSHARED = gcc-4.2 -dynamic -bundle

You did not build with clang.

#9 - 02/20/2013 01:16 PM - nobu (Nobuyoshi Nakada)

Yeah, I did see this error with apple-gcc42.
Is it still alive, and is the fix needed?