

Ruby trunk - Bug #5407

Cannot build ruby-1.9.3-rc1 with TDM-GCC 4.6.1 on Windows XP SP3

10/05/2011 10:28 AM - phasis68 (Heesob Park)

Status:	Closed	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:	1.9.3	
ruby -v:	-	Backport:
Description		
I guess this bug is related with Bug #5375 (http://redmine.ruby-lang.org/issues/5375).		
First, it fails when configuring tk.		
<pre>\$ make CC = gcc LD = ld LDSHARED = gcc -shared -s CFLAGS = -O3 -g -Wextra -Wno-unused-parameter -Wno-parentheses -Wno-long -long -Wno-missing-field-initializers -Werror=pointer-arith -Werror=write-string s -Werror=declaration-after-statement -Werror=implicit-function-declaration XCFLAGS = -include ruby/config.h -include ruby/missing.h -fvisibility=hi dden -DRUBY_EXPORT CPPFLAGS = -I. -I.ext/include/i386-mingw32 -I./include -I. DLDFLAGS = -Wl,--enable-auto-image-base,--enable-auto-import -Wl,--out-i mplib=libmsvcrt-ruby191.dll.a msvcrt-ruby191.def SOLIBS = msvcrt-ruby191.res.o -lshell32 -lws2_32 -limagehlp generating enc.mk generating encdb.h encdb.h unchanged making enc make[1]: Entering directory /c/work/ruby-1.9.3-rc1' make[1]: Nothing to be done forenc'. make[1]: Leaving directory /c/work/ruby-1.9.3-rc1' making srcs under enc make[1]: Entering directory/c/work/ruby-1.9.3-rc1' make[1]: Nothing to be done for srcs'. make[1]: Leaving directory/c/work/ruby-1.9.3-rc1' generating transdb.h transdb.h unchanged making trans make[1]: Entering directory /c/work/ruby-1.9.3-rc1' make[1]: Nothing to be done for./enc/trans'. make[1]: Leaving directory /c/work/ruby-1.9.3-rc1' making encs make[1]: Entering directory/c/work/ruby-1.9.3-rc1' make[1]: Leaving directory `c/work/ruby-1.9.3-rc1' configuring tk c:/work/ruby-1.9.3-rc1/lib/mkmf.rb:1398: [BUG] Segmentation fault ruby 1.9.3dev (2011-09-23) [i386-mingw32] -- Control frame information ----- c:0016 p:---- s:0129 b:0129 l:000128 d:000128 CFUNC :fetch c:0015 p:0081 s:0125 b:0125 l:000124 d:000124 METHOD c:/work/ruby-1.9.3-rc1/lib/ mkmf.rb:1398 c:0014 p:0036 s:0118 b:0118 l:002678 d:002678 METHOD c:/work/ruby-1.9.3-rc1/lib/ mkmf.rb:1417 c:0013 p:0014 s:0112 b:0112 l:000102 d:000111 BLOCK c:/work/ruby-1.9.3-rc1/ext/ tk/extconf.rb:64 c:0012 p:---- s:0108 b:0108 l:000107 d:000107 FINISH c:0011 p:---- s:0106 b:0106 l:000105 d:000105 CFUNC :each_key c:0010 p:0339 s:0103 b:0103 l:000102 d:000102 TOP c:/work/ruby-1.9.3-rc1/ext/</pre>		

```
tk/extconf.rb:63
c:0009 p:---- s:0073 b:0073 l:000072 d:000072 FINISH
c:0008 p:---- s:0071 b:0071 l:000070 d:000070 CFUNC :load
c:0007 p:0759 s:0067 b:0067 l:000066 d:000066 METHOD ./ext/extmk.rb:174
c:0006 p:0046 s:0045 b:0045 l:0000dc d:000044 BLOCK ./ext/extmk.rb:468
c:0005 p:---- s:0042 b:0042 l:000041 d:000041 FINISH
c:0004 p:---- s:0040 b:0040 l:000039 d:000039 CFUNC :each
c:0003 p:1285 s:0037 b:0037 l:0000dc d:001728 EVAL ./ext/extmk.rb:464
c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH
c:0001 p:0000 s:0002 b:0002 l:0000dc d:0000dc TOP
```

-- Ruby level backtrace information -----

```
./ext/extmk.rb:464:in <main>'
./ext/extmk.rb:464:ineach'
./ext/extmk.rb:468:in block in <main>'
./ext/extmk.rb:174:inextmake'
./ext/extmk.rb:174:in load'
c:/work/ruby-1.9.3-rc1/ext/tk/extconf.rb:63:in'
c:/work/ruby-1.9.3-rc1/ext/tk/extconf.rb:63:in each_key'
c:/work/ruby-1.9.3-rc1/ext/tk/extconf.rb:64:inblock in '
c:/work/ruby-1.9.3-rc1/lib/mkmf.rb:1417:in with_config'
c:/work/ruby-1.9.3-rc1/lib/mkmf.rb:1398:inarg_config'
c:/work/ruby-1.9.3-rc1/lib/mkmf.rb:1398:in `fetch'
```

-- C level backtrace information -----

```
F:\WINDOWS\system32\ntdll.dll(KiFastSystemCallRet+0x0) [0x7c93e514]
F:\WINDOWS\system32\kernel32.dll(WaitForSingleObject+0x12) [0x7c7d2542]
```

-- Other runtime information -----

- Loaded script: ./ext/extmk.rb
- Loaded features:
 - 0 enumerator.so
 - 1 c:/work/ruby-1.9.3-rc1/rbconfig.rb
 - 2 mkmf.rb
 - 3 c:/work/ruby-1.9.3-rc1/lib/fileutils.rb
 - 4 c:/work/ruby-1.9.3-rc1/lib/shellwords.rb
 - 5 c:/work/ruby-1.9.3-rc1/lib/optparse.rb
 - 6 c:/work/ruby-1.9.3-rc1/lib/optparse/shellwords.rb

[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>

This application has requested the Runtime to terminate it in an unusual way. Please contact the application's support team for more information.

make: *** [exts.mk] Error 3

=====
Second, if I skip tk by removing tk, it fails when making rdoc.

Generating RDoc documentation

Parsing sources...

```
0% [ 1/767] addr2line.c
0% [ 2/767] array.c
0% [ 3/767] bignum.c
0% [ 4/767] class.c
0% [ 5/767] compar.c
0% [ 6/767] compile.c
0% [ 7/767] complex.c
1% [ 8/767] cont.c
1% [ 9/767] debug.c
```

```
1% [10/767] dir.c
1% [11/767] dln.c
1% [12/767] dln_find.c
1% [13/767] dmydln.c
1% [14/767] dmyencoding.c
1% [15/767] dmyext.c
2% [16/767] dmyversion.c
2% [17/767] encoding.c
2% [18/767] enum.c
2% [19/767] enumerator.c
2% [20/767] error.c
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:846: [BUG] Segmentation fault
ruby 1.9.3dev (2011-09-23) [i386-mingw32]
```

```
-- Control frame information -----
c:0016 p:---- s:0078 b:0078 l:000077 d:000077 CFUNC :Integer
c:0015 p:0172 s:0074 b:0074 l:000073 d:000073 METHOD c:/work/ruby-1.9.3-rc1/lib/
rdoc/parser/c.rb:846
c:0014 p:0075 s:0057 b:0057 l:000042 d:000056 BLOCK c:/work/ruby-1.9.3-rc1/lib/
rdoc/parser/c.rb:345
c:0013 p:---- s:0049 b:0049 l:000048 d:000048 FINISH
c:0012 p:---- s:0047 b:0047 l:000046 d:000046 CFUNC :scan
c:0011 p:0015 s:0043 b:0043 l:000042 d:000042 METHOD c:/work/ruby-1.9.3-rc1/lib/
rdoc/parser/c.rb:326
c:0010 p:0041 s:0040 b:0040 l:000039 d:000039 METHOD c:/work/ruby-1.9.3-rc1/lib/
rdoc/parser/c.rb:1039
c:0009 p:0164 s:0037 b:0037 l:000036 d:000036 METHOD c:/work/ruby-1.9.3-rc1/lib/
rdoc/rdoc.rb:334
c:0008 p:0020 s:0028 b:0028 l:000019 d:000027 BLOCK c:/work/ruby-1.9.3-rc1/lib/
rdoc/rdoc.rb:379
c:0007 p:---- s:0025 b:0025 l:000024 d:000024 FINISH
c:0006 p:---- s:0023 b:0023 l:000022 d:000022 CFUNC :map
c:0005 p:0095 s:0020 b:0020 l:000019 d:000019 METHOD c:/work/ruby-1.9.3-rc1/lib/
rdoc/rdoc.rb:377
c:0004 p:0222 s:0014 b:0014 l:000013 d:000013 METHOD c:/work/ruby-1.9.3-rc1/lib/
rdoc/rdoc.rb:434
c:0003 p:0067 s:0008 b:0008 l:000e8c d:002094 EVAL ./bin/rdoc:20
c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH
c:0001 p:0000 s:0002 b:0002 l:000e8c d:000e8c TOP
```

```
-- Ruby level backtrace information -----
./bin/rdoc:20:in <main>'
c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:434:in document'
c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:377:in parse_files'
c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:377:in map'
c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:379:in block in parse_files'
c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:334:in parse_file'
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:1039:in scan'
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:326:in do_methods'
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:326:in scan'
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:345:in block in do_methods'
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:846:in handle_method'
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:846:in Integer'
```

```
-- C level backtrace information -----
F:\WINDOWS\system32\ntdll.dll(KiFastSystemCallRet+0x0) [0x7c93e514]
F:\WINDOWS\system32\kernel32.dll(WaitForSingleObject+0x12) [0x7c7d2542]
```

```
-- Other runtime information -----
```

- Loaded script: ./bin/rdoc
- Loaded features:
 - 0 enumerator.so
 - 1 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/encdb.so
 - 2 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/cp949.so

3 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/trans/transdb.so
4 c:/work/ruby-1.9.3-rc1/lib/rdoc.rb
5 c:/work/ruby-1.9.3-rc1/lib/rdoc/encoding.rb
6 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/strscan.so
7 c:/work/ruby-1.9.3-rc1/lib/rdoc/text.rb
8 c:/work/ruby-1.9.3-rc1/lib/rdoc/code_object.rb
9 c:/work/ruby-1.9.3-rc1/lib/rdoc/context.rb
10 c:/work/ruby-1.9.3-rc1/lib/rdoc/top_level.rb
11 c:/work/ruby-1.9.3-rc1/lib/rdoc/class_module.rb
12 c:/work/ruby-1.9.3-rc1/lib/rdoc/normal_class.rb
13 c:/work/ruby-1.9.3-rc1/lib/rdoc/normal_module.rb
14 c:/work/ruby-1.9.3-rc1/lib/rdoc/anon_class.rb
15 c:/work/ruby-1.9.3-rc1/lib/rdoc/single_class.rb
16 c:/work/ruby-1.9.3-rc1/lib/rdoc/method_attr.rb
17 c:/work/ruby-1.9.3-rc1/lib/rdoc/token_stream.rb
18 c:/work/ruby-1.9.3-rc1/lib/rdoc/any_method.rb
19 c:/work/ruby-1.9.3-rc1/lib/rdoc/alias.rb
20 c:/work/ruby-1.9.3-rc1/lib/rdoc/ghost_method.rb
21 c:/work/ruby-1.9.3-rc1/lib/rdoc/meta_method.rb
22 c:/work/ruby-1.9.3-rc1/lib/rdoc/attr.rb
23 c:/work/ruby-1.9.3-rc1/lib/rdoc/constant.rb
24 c:/work/ruby-1.9.3-rc1/lib/rdoc/require.rb
25 c:/work/ruby-1.9.3-rc1/lib/rdoc/include.rb
26 c:/work/ruby-1.9.3-rc1/lib/rdoc/code_objects.rb
27 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/blank_line.rb
28 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/document.rb
29 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/heading.rb
30 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/list.rb
31 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/list_item.rb
32 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/raw.rb
33 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/paragraph.rb
34 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/indented_paragraph.rb
35 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/rule.rb
36 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/verbatim.rb
37 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/parser.rb
38 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/attribute_manager.rb
39 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/inline.rb
40 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup.rb
41 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/pre_process.rb
42 c:/work/ruby-1.9.3-rc1/lib/rdoc/stats.rb
43 c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/simple.rb
44 c:/work/ruby-1.9.3-rc1/lib/rdoc/parser.rb
45 c:/work/ruby-1.9.3-rc1/lib/rdoc/ruby_token.rb
46 c:/work/ruby-1.9.3-rc1/lib/e2mmap.rb
47 c:/work/ruby-1.9.3-rc1/lib/irb/output-method.rb
48 c:/work/ruby-1.9.3-rc1/lib/irb/notifier.rb
49 c:/work/ruby-1.9.3-rc1/lib/irb/slex.rb
50 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/stringio.so
51 c:/work/ruby-1.9.3-rc1/lib/rdoc/ruby_lex.rb
52 c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/ruby_tools.rb
53 c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/ruby.rb
54 c:/work/ruby-1.9.3-rc1/lib/rdoc/known_classes.rb
55 c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb
56 c:/work/ruby-1.9.3-rc1/lib/optparse.rb
57 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/etc.so
58 c:/work/ruby-1.9.3-rc1/lib/fileutils.rb
59 c:/work/ruby-1.9.3-rc1/lib/rdoc/ri/store.rb
60 c:/work/ruby-1.9.3-rc1/lib/rdoc/ri.rb
61 c:/work/ruby-1.9.3-rc1/rbconfig.rb
62 c:/work/ruby-1.9.3-rc1/lib/rdoc/ri/paths.rb
63 c:/work/ruby-1.9.3-rc1/lib/rdoc/options.rb
64 c:/work/ruby-1.9.3-rc1/lib/find.rb
65 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/date_core.so
66 c:/work/ruby-1.9.3-rc1/.ext/common/date/format.rb
67 c:/work/ruby-1.9.3-rc1/.ext/common/date.rb
68 c:/work/ruby-1.9.3-rc1/lib/time.rb
69 c:/work/ruby-1.9.3-rc1/lib/rubygems/defaults.rb

```

70 c:/work/ruby-1.9.3-rc1/lib/rubygems/deprecate.rb
71 c:/work/ruby-1.9.3-rc1/lib/rubygems/exceptions.rb
72 c:/work/ruby-1.9.3-rc1/lib/rubygems/custom_require.rb
73 c:/work/ruby-1.9.3-rc1/lib/rubygems.rb
74 c:/work/ruby-1.9.3-rc1/lib/rubygems/version.rb
75 c:/work/ruby-1.9.3-rc1/lib/rubygems/requirement.rb
76 c:/work/ruby-1.9.3-rc1/lib/rubygems/platform.rb
77 c:/work/ruby-1.9.3-rc1/lib/rubygems/specification.rb
78 c:/work/ruby-1.9.3-rc1/lib/rubygems/path_support.rb
79 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/pathname.so
80 c:/work/ruby-1.9.3-rc1/.ext/common/pathname.rb
81 c:/work/ruby-1.9.3-rc1/lib/erb.rb
82 c:/work/ruby-1.9.3-rc1/lib/rdoc/erbio.rb
83 c:/work/ruby-1.9.3-rc1/lib/rdoc/generator.rb
84 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/formatter.rb
85 c:/work/ruby-1.9.3-rc1/lib/cgi/core.rb
86 c:/work/ruby-1.9.3-rc1/lib/cgi/cookie.rb
87 c:/work/ruby-1.9.3-rc1/lib/cgi/util.rb
88 c:/work/ruby-1.9.3-rc1/lib/cgi.rb
89 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/to_html.rb
90 c:/work/ruby-1.9.3-rc1/lib/rdoc/cross_reference.rb
91 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/to_html_crossref.rb
92 c:/work/ruby-1.9.3-rc1/lib/rdoc/generator/markup.rb
93 c:/work/ruby-1.9.3-rc1/lib/rdoc/generator/darkfish.rb
94 c:/work/ruby-1.9.3-rc1/lib/rdoc/generator/ri.rb
95 c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb
96 c:/work/ruby-1.9.3-rc1/lib/rdoc/stats/quiet.rb
97 c:/work/ruby-1.9.3-rc1/lib/rdoc/stats/normal.rb
98 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/utf_16le.so
99 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/trans/single_byte.so
100 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/trans/utf_16_32.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>

This application has requested the Runtime to terminate it in an unusual way. Please contact the application's support team for more information.

make: *** [rdoc] Error 3

Related issues:

Related to Backport193 - Backport #5518: Please backport r33577 (mingw: appen...	Closed	10/31/2011
Related to Ruby trunk - Bug #14480: miniruby crashing when compiled with -O2 ...	Open	
Is duplicate of Ruby trunk - Bug #5375: [mingw32] segfault on WinXP SP3 with ...	Closed	09/28/2011

Associated revisions

Revision 0bbb8e89 - 10/30/2011 03:51 PM - luislavena (Luis Lavena)

- configure.in: check -fno-omit-frame-pointer acceptance and usage under MinGW. [ruby-core:39957] [Bug #5407]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@33577 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 33577 - 10/30/2011 03:51 PM - luislavena (Luis Lavena)

- configure.in: check -fno-omit-frame-pointer acceptance and usage under MinGW. [ruby-core:39957] [Bug #5407]

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Revision 33577 - 10/30/2011 03:51 PM - luislavena (Luis Lavena)

- configure.in: check -fno-omit-frame-pointer acceptance and usage under MinGW. [ruby-core:39957] [Bug #5407]

Revision bade2a2d - 01/03/2012 02:37 AM - kosaki (Motohiro KOSAKI)

merge revision(s) 33577:

```
* configure.in: check -fno-omit-frame-pointer acceptance and usage
under MinGW. [ruby-core:39957] [Bug #5407]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@34189 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 10/05/2011 11:28 PM - jonforums (Jon Forums)

@Heesob..if you happen to be using the RubyInstaller recipes, would you try again but this time use the mingw.org GCC 4.6.1 to build? You'll need to pull updates from our repo as I just included support for that toolchain last night.

Build something like:

```
rake ruby19 local=C:\path\to\ruby\repo nogems=1 dkver=mingw-32-4.6.1
```

Even if you're not using the recipes, you can quickly create a mingw.org 4.6.1 toolkit to use via something like:

```
rake devkit 7z=1 dkver=mingw-32-4.6.1
```

and look in the 'pkg' subdir.

I build on Win7 and can't replicate the error you're seeing. Maybe there's some difference between the TDM-GCC and plain vanilla mingw.org toolkits, but I'd be surprised since they both use many of the same components.

#2 - 10/06/2011 12:19 AM - phasis68 (Heesob Park)

I guess it is Windows XP and GCC 4.6.1 setjmp/longjmp issue as mentioned at Bug [#5375](#).

I can build ruby-1.9.3-rc1 with TDM-GCC 4.6.1 on Windows 7 without error.

#3 - 10/17/2011 06:59 PM - phasis68 (Heesob Park)

After some trial and error, it turns out this bug is GCC 4.6.1 optimization flag issue.

According to the document of gcc 4.6.1 (http://gcc.gnu.org/onlinedocs/gcc-4.6.1/gcc/Optimize-Options.html#index-fomit_002dframe_002dpointer-691): "Starting with GCC version 4.6, the default setting (when not optimizing for size) for 32-bit Linux x86 and 32-bit Darwin x86 targets has been changed to -fomit-frame-pointer. The default can be reverted to -fno-omit-frame-pointer by configuring GCC with the --enable-frame-pointer configure option."

The work around is adding -fno-omit-frame-pointer flag like this:

```
make optflags='-O3 -fno-omit-frame-pointer'
```

I think this also applies to the Bug [#5375](#).

#4 - 10/17/2011 11:23 PM - luislavena (Luis Lavena)

- ruby -v changed from ruby 1.9.3dev (2011-09-23) [i386-mingw32] to -

On Mon, Oct 17, 2011 at 11:59 AM, Heesob Park phasis@gmail.com wrote:

Issue [#5407](#) has been updated by Heesob Park.

After some trial and error, it turns out this bug is GCC 4.6.1 optimization flag issue.

According to the document of gcc 4.6.1(

http://gcc.gnu.org/onlinedocs/gcc-4.6.1/gcc/Optimize-Options.html#index-fomit_002dframe_002dpointer-691):

"Starting with GCC version 4.6, the default setting (when not optimizing for size) for 32-bit Linux x86 and 32-bit Darwin x86 targets has been

changed to -fomit-frame-pointer. The default can be reverted to -fno-omit-frame-pointer by configuring GCC with the --enable-frame-pointer configure option."

The work around is adding -fno-omit-frame-pointer flag like this:
make optflags

#5 - 10/17/2011 11:53 PM - phasis68 (Heesob Park)

Hi,

2011/10/17 Luis Lavena luislavena@gmail.com

On Mon, Oct 17, 2011 at 11:59 AM, Heesob Park phasis@gmail.com wrote:

Issue [#5407](#) has been updated by Heesob Park.

After some trial and error, it turns out this bug is GCC 4.6.1 optimization flag issue.

According to the document of gcc 4.6.1 (http://gcc.gnu.org/onlinedocs/gcc-4.6.1/gcc/Optimize-Options.html#index-fomit_002dframe_002dpointer-691):

"Starting with GCC version 4.6, the default setting (when not optimizing for size) for 32-bit Linux x86 and 32-bit Darwin x86 targets has been changed to -fomit-frame-pointer. The default can be reverted to -fno-omit-frame-pointer by configuring GCC with the --enable-frame-pointer configure option."

The work around is adding -fno-omit-frame-pointer flag like this:
make optflags='-O3 -fno-omit-frame-pointer'

I think this also applies to the Bug [#5375](#).

Thank you Heesob, what is interesting is that this do not happen on trunk.

Perhaps there is something else we are missing?

I tried to build trunk on Windows XP with gcc-4.6.1 and it failed to build too.

Here is the log

```
c:/work/snapshot/lib/rdoc/parser/ruby_tools.rb:108: [BUG] Segmentation fault
ruby 1.9.4dev (2011-10-14 trunk 33469) [i386-mingw32]
```

```
-- Control frame information -----
c:0030 p:---- s:0216 b:0216 l:000215 d:000215 CFUNC :=
c:0029 p:---- s:0214 b:0214 l:000213 d:000213 CFUNC :delete
c:0028 p:0015 s:0210 b:0210 l:000209 d:000209 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby_tools.rb:108
c:0027 p:0030 s:0206 b:0205 l:000204 d:000204 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby_tools.rb:142
c:0026 p:0085 s:0201 b:0201 l:000200 d:000200 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:996
c:0025 p:0777 s:0186 b:0186 l:000185 d:000185 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1323
c:0024 p:0680 s:0173 b:0173 l:000172 d:000172 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:655
c:0023 p:0711 s:0156 b:0156 l:000155 d:000155 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1313
c:0022 p:0187 s:0143 b:0143 l:000136 d:000142 BLOCK
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1118
c:0021 p:0019 s:0141 b:0141 l:000140 d:000140 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby_tools.rb:140
```

```

c:0020 p:0277 s:0137 b:0137 l:000136 d:000136 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1095
c:0019 p:0777 s:0122 b:0122 l:000121 d:000121 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1323
c:0018 p:0117 s:0109 b:0109 l:000108 d:000108 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1225
c:0017 p:0744 s:0099 b:0099 l:000098 d:000098 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1317
c:0016 p:0414 s:0086 b:0086 l:000085 d:000085 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:626
c:0015 p:0711 s:0069 b:0069 l:000068 d:000068 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1313
c:0014 p:0081 s:0056 b:0056 l:000055 d:000055 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1505
c:0013 p:0014 s:0051 b:0051 l:000039 d:000050 BLOCK
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1660
c:0012 p:---- s:0046 b:0046 l:000045 d:000045 FINISH
c:0011 p:---- s:0044 b:0044 l:000043 d:000043 CFUNC :catch
c:0010 p:0023 s:0040 b:0040 l:000039 d:000039 METHOD
c:/work/snapshot/lib/rdoc/p
arser/ruby.rb:1658
c:0009 p:0164 s:0037 b:0037 l:000036 d:000036 METHOD
c:/work/snapshot/lib/rdoc/r
doc.rb:334
c:0008 p:0020 s:0028 b:0028 l:000019 d:000027 BLOCK
c:/work/snapshot/lib/rdoc/r
doc.rb:379
c:0007 p:---- s:0025 b:0025 l:000024 d:000024 FINISH
c:0006 p:---- s:0023 b:0023 l:000022 d:000022 CFUNC :map
c:0005 p:0095 s:0020 b:0020 l:000019 d:000019 METHOD
c:/work/snapshot/lib/rdoc/r
doc.rb:377
c:0004 p:0222 s:0014 b:0014 l:000013 d:000013 METHOD
c:/work/snapshot/lib/rdoc/r
doc.rb:434
c:0003 p:0067 s:0008 b:0008 l:001d84 d:001104 EVAL ./bin/rdoc:22
c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH
c:0001 p:0000 s:0002 b:0002 l:001d84 d:001d84 TOP

```

```

-- Ruby level backtrace information -----
./bin/rdoc:22:in <main>'
c:/work/snapshot/lib/rdoc/rdoc.rb:434:indocument'
c:/work/snapshot/lib/rdoc/rdoc.rb:377:in parse_files'
c:/work/snapshot/lib/rdoc/rdoc.rb:377:inmap'
c:/work/snapshot/lib/rdoc/rdoc.rb:379:in block in parse_files'
c:/work/snapshot/lib/rdoc/rdoc.rb:334:inparse_file'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1658:in scan'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1658:incatch'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1660:in block in scan'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1505:in
parse_top_level_statements'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1313:in parse_statements'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:626:inparse_class'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1317:in parse_statements'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1225:inparse_module'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1323:in parse_statements'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1095:inparse_method'
c:/work/snapshot/lib/rdoc/parser/ruby_tools.rb:140:in token_listener'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1118:inblock in parse_method'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1313:in parse_statements'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:655:inparse_class'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:1323:in parse_statements'
c:/work/snapshot/lib/rdoc/parser/ruby.rb:996:inparse_method'
c:/work/snapshot/lib/rdoc/parser/ruby_tools.rb:142:in token_listener'
c:/work/snapshot/lib/rdoc/parser/ruby_tools.rb:108:in
remove_token_listener'
c:/work/snapshot/lib/rdoc/parser/ruby_tools.rb:108:in delete'

```


c:/work/snapshot/lib/rdoc/parser/ruby_tools.rb:108:in=='

-- C level backtrace information -----

F:\WINDOWS\system32\ntdll.dll(KiFastSystemCallRet+0x0) [0x7c93e514]

F:\WINDOWS\system32\kernel32.dll(WaitForSingleObject+0x12) [0x7c7d2542]

-- Other runtime information -----

- Loaded script: ./bin/rdoc

- Loaded features:

- 0 enumerator.so
- 1 c:/work/snapshot/.ext/i386-mingw32/enc/encdb.so
- 2 c:/work/snapshot/.ext/i386-mingw32/enc/cp949.so
- 3 c:/work/snapshot/.ext/i386-mingw32/enc/trans/transdb.so
- 4 c:/work/snapshot/lib/rdoc.rb
- 5 c:/work/snapshot/lib/rdoc/encoding.rb
- 6 c:/work/snapshot/.ext/i386-mingw32/strscan.so
- 7 c:/work/snapshot/lib/rdoc/text.rb
- 8 c:/work/snapshot/lib/rdoc/code_object.rb
- 9 c:/work/snapshot/lib/rdoc/context.rb
- 10 c:/work/snapshot/lib/rdoc/top_level.rb
- 11 c:/work/snapshot/lib/rdoc/class_module.rb
- 12 c:/work/snapshot/lib/rdoc/normal_class.rb
- 13 c:/work/snapshot/lib/rdoc/normal_module.rb
- 14 c:/work/snapshot/lib/rdoc/anon_class.rb
- 15 c:/work/snapshot/lib/rdoc/single_class.rb
- 16 c:/work/snapshot/lib/rdoc/method_attr.rb
- 17 c:/work/snapshot/lib/rdoc/token_stream.rb
- 18 c:/work/snapshot/lib/rdoc/any_method.rb
- 19 c:/work/snapshot/lib/rdoc/alias.rb
- 20 c:/work/snapshot/lib/rdoc/ghost_method.rb
- 21 c:/work/snapshot/lib/rdoc/meta_method.rb
- 22 c:/work/snapshot/lib/rdoc/attr.rb
- 23 c:/work/snapshot/lib/rdoc/constant.rb
- 24 c:/work/snapshot/lib/rdoc/require.rb
- 25 c:/work/snapshot/lib/rdoc/include.rb
- 26 c:/work/snapshot/lib/rdoc/code_objects.rb
- 27 c:/work/snapshot/lib/rdoc/markup/blank_line.rb
- 28 c:/work/snapshot/lib/rdoc/markup/document.rb
- 29 c:/work/snapshot/lib/rdoc/markup/heading.rb
- 30 c:/work/snapshot/lib/rdoc/markup/list.rb
- 31 c:/work/snapshot/lib/rdoc/markup/list_item.rb
- 32 c:/work/snapshot/lib/rdoc/markup/raw.rb
- 33 c:/work/snapshot/lib/rdoc/markup/paragraph.rb
- 34 c:/work/snapshot/lib/rdoc/markup/indented_paragraph.rb
- 35 c:/work/snapshot/lib/rdoc/markup/rule.rb
- 36 c:/work/snapshot/lib/rdoc/markup/verbatim.rb
- 37 c:/work/snapshot/lib/rdoc/markup/parser.rb
- 38 c:/work/snapshot/lib/rdoc/markup/attribute_manager.rb
- 39 c:/work/snapshot/lib/rdoc/markup/inline.rb
- 40 c:/work/snapshot/lib/rdoc/markup.rb
- 41 c:/work/snapshot/lib/rdoc/markup/pre_process.rb
- 42 c:/work/snapshot/lib/rdoc/stats.rb
- 43 c:/work/snapshot/lib/rdoc/parser/simple.rb
- 44 c:/work/snapshot/lib/rdoc/parser.rb
- 45 c:/work/snapshot/lib/rdoc/ruby_token.rb
- 46 c:/work/snapshot/lib/e2mmap.rb
- 47 c:/work/snapshot/lib/irb/output-method.rb
- 48 c:/work/snapshot/lib/irb/notifier.rb
- 49 c:/work/snapshot/lib/irb/slex.rb
- 50 c:/work/snapshot/.ext/i386-mingw32/stringio.so
- 51 c:/work/snapshot/lib/rdoc/ruby_lex.rb
- 52 c:/work/snapshot/lib/rdoc/parser/ruby_tools.rb
- 53 c:/work/snapshot/lib/rdoc/parser/ruby.rb
- 54 c:/work/snapshot/lib/rdoc/known_classes.rb
- 55 c:/work/snapshot/lib/rdoc/parser/c.rb
- 56 c:/work/snapshot/lib/optparse.rb
- 57 c:/work/snapshot/.ext/i386-mingw32/etc.so
- 58 c:/work/snapshot/lib/fileutils.rb
- 59 c:/work/snapshot/lib/rdoc/ri/store.rb
- 60 c:/work/snapshot/lib/rdoc/ri.rb
- 61 c:/work/snapshot/rbconfig.rb
- 62 c:/work/snapshot/lib/rdoc/ri/paths.rb

```
63 c:/work/snapshot/lib/rdoc/options.rb
64 c:/work/snapshot/lib/find.rb
65 c:/work/snapshot/.ext/i386-mingw32/date_core.so
66 c:/work/snapshot/.ext/common/date/format.rb
67 c:/work/snapshot/.ext/common/date.rb
68 c:/work/snapshot/lib/time.rb
69 c:/work/snapshot/rubygems.rb
70 c:/work/snapshot/.ext/i386-mingw32/pathname.so
71 c:/work/snapshot/.ext/common/pathname.rb
72 c:/work/snapshot/lib/erb.rb
73 c:/work/snapshot/lib/rdoc/erbio.rb
74 c:/work/snapshot/lib/rdoc/generator.rb
75 c:/work/snapshot/lib/rdoc/markup/formatter.rb
76 c:/work/snapshot/lib/cgi/core.rb
77 c:/work/snapshot/lib/cgi/cookie.rb
78 c:/work/snapshot/lib/cgi/util.rb
79 c:/work/snapshot/lib/cgi.rb
80 c:/work/snapshot/lib/rdoc/markup/to_html.rb
81 c:/work/snapshot/lib/rdoc/cross_reference.rb
82 c:/work/snapshot/lib/rdoc/markup/to_html_crossref.rb
83 c:/work/snapshot/lib/rdoc/generator/markup.rb
84 c:/work/snapshot/lib/rdoc/generator/darkfish.rb
85 c:/work/snapshot/lib/rdoc/generator/ri.rb
86 c:/work/snapshot/lib/rdoc/rdoc.rb
87 c:/work/snapshot/lib/rdoc/stats/quiet.rb
88 c:/work/snapshot/lib/rdoc/stats/normal.rb
89 c:/work/snapshot/.ext/i386-mingw32/enc/utf_16le.so
90 c:/work/snapshot/.ext/i386-mingw32/enc/trans/single_byte.so
91 c:/work/snapshot/.ext/i386-mingw32/enc/trans/utf_16_32.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>

This application has requested the Runtime to terminate it in an unusual way.

Please contact the application's support team for more information.

make: *** [rdoc] Error 3

Regards,
Park Heesob

#6 - 10/18/2011 08:11 PM - h.shirosaki (Hiroshi Shirosaki)

I have same issues as above.

trunk@33473 and 1.9.3dev build fails on Windows XP SP3 with gcc version 4.6.1 (tdm-1).

And build with -fno-omit-frame-pointer flag works fine.

This document explains about setjmp and Frame-Pointer Omission.

<http://msdn.microsoft.com/en-us/library/2kxx5t2c.aspx>

I tried to write a patch of this issue.

```
diff --git a/configure.in b/configure.in
index fff3a07..1ca63b3 100644
--- a/configure.in
+++ b/configure.in
@@ -44,6 +44,12 @@ target_os="echo ${target_os} | sed 's/msvc$/'"
AS_CASE(["$target_cpu-$target_os"], [x86_64-mingw*], [
target_cpu=x64
])
+AS_CASE(["$target_os"], [mingw*], [
+kernel_name=uname -s
+gcc_version=$CC --version | head -n1
+AS_CASE(["$kernel_name-$gcc_version"],
```

- [NT-5.1- 4.6.*], [optflags="-O3 -fno-omit-frame-pointer"]) +])]]

```
AC_DEFUN([RUBY_CPPOUTFILE],
```

#7 - 10/18/2011 08:53 PM - usa (Usaku NAKAMURA)

Hello,

I'm glad to here the solution of this problem.
Thanks to all the people that tackled it.

There is only one proposal from me.
In mswin, /Oy- is always specified.
So, in mingw, We should specify -fno-omit-frame-pointer, I think.
Of course, if this option does not exist depending on a compiler
version, we should check it in configure script.

Nobu and Luis, how do you think?

In message "[ruby-core:40204] [Ruby 1.9 - Bug #5407] Cannot build ruby-1.9.3-rc1 with TDM-GCC 4.6.1 on Windows XP SP3" on Oct.18,2011 20:11:41, h.shirosaki@gmail.com wrote:

Issue [#5407](#) has been updated by Hiroshi Shirosaki.

I have same issues as above.
trunk@33473 and 1.9.3dev build fails on Windows XP SP3 with gcc version 4.6.1 (tdm-1).

And build with -fno-omit-frame-pointer flag works fine.

This document explains about setjmp and Frame-Pointer Omission.
<http://msdn.microsoft.com/en-us/library/2kxx5t2c.aspx>

I tried to write a patch of this issue.

```
diff --git a/configure.in b/configure.in
index ff3a07..1ca63b3 100644
--- a/configure.in
+++ b/configure.in
@@ -44,6 +44,12 @@ target_os="echo ${target_os} | sed 's/msvc$/'"
 AS_CASE(["$target_cpu-$target_os"], [x86_64-mingw*], [
 target_cpu=x64
 ])
+AS_CASE(["$target_os"], [mingw*], [
+kernel_name=uname -s
+gcc_version=$CC --version | head -n1
+AS_CASE(["$kernel_name-$gcc_version"],
  • [NT-5.1-" 4.6.*"], [optflags="-O3 -fno-omit-frame-pointer"]) +) ]]
```

AC_DEFUN([RUBY_CPPOUTFILE],

Bug [#5407](#): Cannot build ruby-1.9.3-rc1 with TDM-GCC 4.6.1 on Windows XP SP3
<http://redmine.ruby-lang.org/issues/5407>

Author: Heesob Park
Status: Open
Priority: Normal
Assignee:
Category:
Target version:
ruby -v: -

I guess this bug is related with Bug [#5375](http://redmine.ruby-lang.org/issues/5375).

First, it fails when configuring tk.

```
$ make
CC = gcc
LD = ld
LDSHARED = gcc -shared -s
CFLAGS = -O3 -g -Wextra -Wno-unused-parameter -Wno-parentheses -Wno-long
-long -Wno-missing-field-initializers -Werror=pointer-arith -Werror=write-string
s -Werror=declaration-after-statement -Werror=implicit-function-declaration
XCFLAGS = -include ruby/config.h -include ruby/missing.h -fvisibility=hi
dden -DRUBY_EXPORT
CPPFLAGS = -I. -I.ext/include/i386-mingw32 -I./include -I.
DLDFLAGS = -Wl,--enable-auto-image-base,--enable-auto-import -Wl,--out-i
mplib=libmsvcrt-ruby191.dll.a msvcrt-ruby191.def
```

```
SOLIBS = msvcrt-ruby191.res.o -lshell32 -lws2_32 -limagehlp
generating enc.mk
generating encdb.h
encdb.h unchanged
making enc
make[1]: Entering directory /c/work/ruby-1.9.3-rc1'
make[1]: Nothing to be done forenc'.
make[1]: Leaving directory /c/work/ruby-1.9.3-rc1'
making srcs under enc
make[1]: Entering directory/c/work/ruby-1.9.3-rc1'
make[1]: Nothing to be done for srcs'.
make[1]: Leaving directory/c/work/ruby-1.9.3-rc1'
generating transdb.h
transdb.h unchanged
making trans
make[1]: Entering directory /c/work/ruby-1.9.3-rc1'
make[1]: Nothing to be done for./enc/trans'.
make[1]: Leaving directory /c/work/ruby-1.9.3-rc1'
making encs
make[1]: Entering directory/c/work/ruby-1.9.3-rc1'
make[1]: Leaving directory `c/work/ruby-1.9.3-rc1'
configuring tk
c:/work/ruby-1.9.3-rc1/lib/mkmf.rb:1398: [BUG] Segmentation fault
ruby 1.9.3dev (2011-09-23) [i386-mingw32]
```

```
-- Control frame information -----
c:0016 p:---- s:0129 b:0129 l:000128 d:000128 CFUNC :fetch
c:0015 p:0081 s:0125 b:0125 l:000124 d:000124 METHOD c:/work/ruby-1.9.3-rc1/lib/
mkmf.rb:1398
c:0014 p:0036 s:0118 b:0118 l:002678 d:002678 METHOD c:/work/ruby-1.9.3-rc1/lib/
mkmf.rb:1417
c:0013 p:0014 s:0112 b:0112 l:000102 d:000111 BLOCK c:/work/ruby-1.9.3-rc1/ext/
tk/extconf.rb:64
c:0012 p:---- s:0108 b:0108 l:000107 d:000107 FINISH
c:0011 p:---- s:0106 b:0106 l:000105 d:000105 CFUNC :each_key
c:0010 p:0339 s:0103 b:0103 l:000102 d:000102 TOP c:/work/ruby-1.9.3-rc1/ext/
tk/extconf.rb:63
c:0009 p:---- s:0073 b:0073 l:000072 d:000072 FINISH
c:0008 p:---- s:0071 b:0071 l:000070 d:000070 CFUNC :load
c:0007 p:0759 s:0067 b:0067 l:000066 d:000066 METHOD ./ext/extmk.rb:174
c:0006 p:0046 s:0045 b:0045 l:00004c d:000044 BLOCK ./ext/extmk.rb:468
c:0005 p:---- s:0042 b:0042 l:000041 d:000041 FINISH
c:0004 p:---- s:0040 b:0040 l:000039 d:000039 CFUNC :each
c:0003 p:1285 s:0037 b:0037 l:0000dc d:001728 EVAL ./ext/extmk.rb:464
c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH
c:0001 p:0000 s:0002 b:0002 l:0000dc d:0000dc TOP
```

```
-- Ruby level backtrace information -----
./ext/extmk.rb:464:in <main>'
./ext/extmk.rb:464:ineach'
./ext/extmk.rb:468:in block in <main>'
./ext/extmk.rb:174:inextmake'
./ext/extmk.rb:174:in load'
c:/work/ruby-1.9.3-rc1/ext/tk/extconf.rb:63:in'
c:/work/ruby-1.9.3-rc1/ext/tk/extconf.rb:63:in each_key'
c:/work/ruby-1.9.3-rc1/ext/tk/extconf.rb:64:inblock in '
c:/work/ruby-1.9.3-rc1/lib/mkmf.rb:1417:in with_config'
c:/work/ruby-1.9.3-rc1/lib/mkmf.rb:1398:inarg_config'
c:/work/ruby-1.9.3-rc1/lib/mkmf.rb:1398:in `fetch'
```

```
-- C level backtrace information -----
F:\WINDOWS\system32\ntdll.dll(KiFastSystemCallRet+0x0) [0x7c93e514]
F:\WINDOWS\system32\kernel32.dll(WaitForSingleObject+0x12) [0x7c7d2542]
```

```
-- Other runtime information -----
```

- Loaded script: ./ext/extmk.rb
- Loaded features:
 - 0 enumerator.so
 - 1 c:/work/ruby-1.9.3-rc1/rbconfig.rb
 - 2 mkmf.rb
 - 3 c:/work/ruby-1.9.3-rc1/lib/fileutils.rb
 - 4 c:/work/ruby-1.9.3-rc1/lib/shellwords.rb

5 c:/work/ruby-1.9.3-rc1/lib/optparse.rb
6 c:/work/ruby-1.9.3-rc1/lib/optparse/shellwords.rb

[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>

This application has requested the Runtime to terminate it in an unusual way.

Please contact the application's support team for more information.

make: *** [exts.mk] Error 3

=====
Second, if I skip tk by removing tk, it fails when making rdoc.

Generating RDoc documentation

Parsing sources...

0% [1/767] addr2line.c

0% [2/767] array.c

0% [3/767] bignum.c

0% [4/767] class.c

0% [5/767] compar.c

0% [6/767] compile.c

0% [7/767] complex.c

1% [8/767] cont.c

1% [9/767] debug.c

1% [10/767] dir.c

1% [11/767] dln.c

1% [12/767] dln_find.c

1% [13/767] dmydln.c

1% [14/767] dmyencoding.c

1% [15/767] dmyext.c

2% [16/767] dmyversion.c

2% [17/767] encoding.c

2% [18/767] enum.c

2% [19/767] enumerator.c

2% [20/767] error.c

c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:846: [BUG] Segmentation fault

ruby 1.9.3dev (2011-09-23) [i386-mingw32]

-- Control frame information -----

c:0016 p:---- s:0078 b:0078 l:000077 d:000077 CFUNC :Integer

c:0015 p:0172 s:0074 b:0074 l:000073 d:000073 METHOD c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:846

c:0014 p:0075 s:0057 b:0057 l:000042 d:000056 BLOCK c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:345

c:0013 p:---- s:0049 b:0049 l:000048 d:000048 FINISH

c:0012 p:---- s:0047 b:0047 l:000046 d:000046 CFUNC :scan

c:0011 p:0015 s:0043 b:0043 l:000042 d:000042 METHOD c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:326

c:0010 p:0041 s:0040 b:0040 l:000039 d:000039 METHOD c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:1039

c:0009 p:0164 s:0037 b:0037 l:000036 d:000036 METHOD c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:334

c:0008 p:0020 s:0028 b:0028 l:000019 d:000027 BLOCK c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:379

c:0007 p:---- s:0025 b:0025 l:000024 d:000024 FINISH

c:0006 p:---- s:0023 b:0023 l:000022 d:000022 CFUNC :map

c:0005 p:0095 s:0020 b:0020 l:000019 d:000019 METHOD c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:377

c:0004 p:0222 s:0014 b:0014 l:000013 d:000013 METHOD c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:434

c:0003 p:0067 s:0008 b:0008 l:000e8c d:002094 EVAL ./bin/rdoc:20

c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH

c:0001 p:0000 s:0002 b:0002 l:000e8c d:000e8c TOP

-- Ruby level backtrace information -----

./bin/rdoc:20:in <main>

c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:434:indocument'

c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:377:in parse_files'

c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:377:inmap'

c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:379:in block in parse_files'

c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb:334:inparse_file'

```
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:1039:in scan'  
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:326:indo_methods'  
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:326:in scan'  
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:345:inblock in do_methods'  
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:846:in handle_method'  
c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb:846:inInteger'
```

```
-- C level backtrace information -----  
F:\WINDOWS\system32\ntdll.dll(KiFastSystemCallRet+0x0) [0x7c93e514]  
F:\WINDOWS\system32\kernel32.dll(WaitForSingleObject+0x12) [0x7c7d2542]
```

```
-- Other runtime information -----
```

- Loaded script: ./bin/rdoc

- Loaded features:

- 0 enumerator.so
- 1 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/encdb.so
- 2 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/cp949.so
- 3 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/trans/transdb.so
- 4 c:/work/ruby-1.9.3-rc1/lib/rdoc.rb
- 5 c:/work/ruby-1.9.3-rc1/lib/rdoc/encoding.rb
- 6 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/strscan.so
- 7 c:/work/ruby-1.9.3-rc1/lib/rdoc/text.rb
- 8 c:/work/ruby-1.9.3-rc1/lib/rdoc/code_object.rb
- 9 c:/work/ruby-1.9.3-rc1/lib/rdoc/context.rb
- 10 c:/work/ruby-1.9.3-rc1/lib/rdoc/top_level.rb
- 11 c:/work/ruby-1.9.3-rc1/lib/rdoc/class_module.rb
- 12 c:/work/ruby-1.9.3-rc1/lib/rdoc/normal_class.rb
- 13 c:/work/ruby-1.9.3-rc1/lib/rdoc/normal_module.rb
- 14 c:/work/ruby-1.9.3-rc1/lib/rdoc/anon_class.rb
- 15 c:/work/ruby-1.9.3-rc1/lib/rdoc/single_class.rb
- 16 c:/work/ruby-1.9.3-rc1/lib/rdoc/method_attr.rb
- 17 c:/work/ruby-1.9.3-rc1/lib/rdoc/token_stream.rb
- 18 c:/work/ruby-1.9.3-rc1/lib/rdoc/any_method.rb
- 19 c:/work/ruby-1.9.3-rc1/lib/rdoc/alias.rb
- 20 c:/work/ruby-1.9.3-rc1/lib/rdoc/ghost_method.rb
- 21 c:/work/ruby-1.9.3-rc1/lib/rdoc/meta_method.rb
- 22 c:/work/ruby-1.9.3-rc1/lib/rdoc/attr.rb
- 23 c:/work/ruby-1.9.3-rc1/lib/rdoc/constant.rb
- 24 c:/work/ruby-1.9.3-rc1/lib/rdoc/require.rb
- 25 c:/work/ruby-1.9.3-rc1/lib/rdoc/include.rb
- 26 c:/work/ruby-1.9.3-rc1/lib/rdoc/code_objects.rb
- 27 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/blank_line.rb
- 28 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/document.rb
- 29 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/heading.rb
- 30 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/list.rb
- 31 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/list_item.rb
- 32 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/raw.rb
- 33 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/paragraph.rb
- 34 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/indented_paragraph.rb
- 35 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/rule.rb
- 36 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/verbatim.rb
- 37 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/parser.rb
- 38 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/attribute_manager.rb
- 39 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/inline.rb
- 40 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup.rb
- 41 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/pre_process.rb
- 42 c:/work/ruby-1.9.3-rc1/lib/rdoc/stats.rb
- 43 c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/simple.rb
- 44 c:/work/ruby-1.9.3-rc1/lib/rdoc/parser.rb
- 45 c:/work/ruby-1.9.3-rc1/lib/rdoc/ruby_token.rb
- 46 c:/work/ruby-1.9.3-rc1/lib/e2mmap.rb
- 47 c:/work/ruby-1.9.3-rc1/lib/irb/output_method.rb
- 48 c:/work/ruby-1.9.3-rc1/lib/irb/notifier.rb
- 49 c:/work/ruby-1.9.3-rc1/lib/irb/slex.rb
- 50 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/stringio.so
- 51 c:/work/ruby-1.9.3-rc1/lib/rdoc/ruby_lex.rb
- 52 c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/ruby_tools.rb
- 53 c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/ruby.rb
- 54 c:/work/ruby-1.9.3-rc1/lib/rdoc/known_classes.rb
- 55 c:/work/ruby-1.9.3-rc1/lib/rdoc/parser/c.rb
- 56 c:/work/ruby-1.9.3-rc1/lib/optparse.rb
- 57 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/etc.so

58 c:/work/ruby-1.9.3-rc1/lib/fileutils.rb
59 c:/work/ruby-1.9.3-rc1/lib/rdoc/ri/store.rb
60 c:/work/ruby-1.9.3-rc1/lib/rdoc/ri.rb
61 c:/work/ruby-1.9.3-rc1/rbconfig.rb
62 c:/work/ruby-1.9.3-rc1/lib/rdoc/ri/paths.rb
63 c:/work/ruby-1.9.3-rc1/lib/rdoc/options.rb
64 c:/work/ruby-1.9.3-rc1/lib/find.rb
65 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/date_core.so
66 c:/work/ruby-1.9.3-rc1/.ext/common/date/format.rb
67 c:/work/ruby-1.9.3-rc1/.ext/common/date.rb
68 c:/work/ruby-1.9.3-rc1/lib/time.rb
69 c:/work/ruby-1.9.3-rc1/lib/rubygems/defaults.rb
70 c:/work/ruby-1.9.3-rc1/lib/rubygems/deprecate.rb
71 c:/work/ruby-1.9.3-rc1/lib/rubygems/exceptions.rb
72 c:/work/ruby-1.9.3-rc1/lib/rubygems/custom_require.rb
73 c:/work/ruby-1.9.3-rc1/lib/rubygems.rb
74 c:/work/ruby-1.9.3-rc1/lib/rubygems/version.rb
75 c:/work/ruby-1.9.3-rc1/lib/rubygems/requirement.rb
76 c:/work/ruby-1.9.3-rc1/lib/rubygems/platform.rb
77 c:/work/ruby-1.9.3-rc1/lib/rubygems/specification.rb
78 c:/work/ruby-1.9.3-rc1/lib/rubygems/path_support.rb
79 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/pathname.so
80 c:/work/ruby-1.9.3-rc1/.ext/common/pathname.rb
81 c:/work/ruby-1.9.3-rc1/lib/erb.rb
82 c:/work/ruby-1.9.3-rc1/lib/rdoc/erbio.rb
83 c:/work/ruby-1.9.3-rc1/lib/rdoc/generator.rb
84 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/formatter.rb
85 c:/work/ruby-1.9.3-rc1/lib/cgi/core.rb
86 c:/work/ruby-1.9.3-rc1/lib/cgi/cookie.rb
87 c:/work/ruby-1.9.3-rc1/lib/cgi/util.rb
88 c:/work/ruby-1.9.3-rc1/lib/cgi.rb
89 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/to_html.rb
90 c:/work/ruby-1.9.3-rc1/lib/rdoc/cross_reference.rb
91 c:/work/ruby-1.9.3-rc1/lib/rdoc/markup/to_html_crossref.rb
92 c:/work/ruby-1.9.3-rc1/lib/rdoc/generator/markup.rb
93 c:/work/ruby-1.9.3-rc1/lib/rdoc/generator/darkfish.rb
94 c:/work/ruby-1.9.3-rc1/lib/rdoc/generator/ri.rb
95 c:/work/ruby-1.9.3-rc1/lib/rdoc/rdoc.rb
96 c:/work/ruby-1.9.3-rc1/lib/rdoc/stats/quiet.rb
97 c:/work/ruby-1.9.3-rc1/lib/rdoc/stats/normal.rb
98 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/utf_16le.so
99 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/trans/single_byte.so
100 c:/work/ruby-1.9.3-rc1/.ext/i386-mingw32/enc/trans/utf_16_32.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>

This application has requested the Runtime to terminate it in an unusual way.

Please contact the application's support team for more information.

make: *** [rdoc] Error 3

--

<http://redmine.ruby-lang.org>

Regards,

--

U.Nakamura usa@garbagecollect.jp

#8 - 10/19/2011 01:53 AM - Anonymous

There is only one proposal from me.

In mswin, /Oy- is always specified.

Why is this required for mswin?

-roger-

#9 - 10/23/2011 06:35 AM - luislavena (Luis Lavena)

- Category set to build
- Status changed from Open to Assigned
- Assignee set to nobu (Nobuyoshi Nakada)
- Priority changed from Normal to 6
- Target version set to 1.9.3

Thank you Hiroshi Shirotsuki for your patch.

There is one slight detail on this and is that it uses result from uname and NT-5.1 which might not work if you build on newer version of Windows (NT-6.1 for Windows 7)

I think -fno-omit-frame-pointer check should be done similar to other compiler flags for mingw platform independently of the version of Windows you're using to compile it.

Nobu, what are you thoughts? This is the remaining blocker for 1.9.3.

#10 - 10/23/2011 06:37 AM - luislavena (Luis Lavena)

- Status changed from Assigned to Closed

Closing it out as duplicate of [#5407](#) as efforts on solve the issue has been made in that issue.

Thank you.

#11 - 10/31/2011 12:53 AM - luislavena (Luis Lavena)

- % Done changed from 0 to 100

Hello,

Closed this issue by mistake. This is solved now by r33577 on trunk.

Will request backport to 1.9.3

Thank you for your patience.

#12 - 02/19/2018 12:00 PM - wanabe (_ wanabe)

- Related to Bug #14480: miniruby crashing when compiled with -O2 or -O1 on aarch64 added