

## Backport191 - Bug #2727

make: \*\*\* [encdb.h] Aborted

02/09/2010 11:58 PM - znz (Kazuhiro NISHIYAMA)

<b>Status:</b>	Third Party's Issue
<b>Priority:</b>	Normal
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b>	ruby 1.9.1p420 (2010-02-04 revision 26571) [i686-linux]

### Description

```
=begin
Ubuntu 9.10 ruby_1_9_1 make encdb.h
gcc version 4.4.1 (Ubuntu 4.4.1-4ubuntu9) #1299

./miniruby -I/home/kazu/wc/ruby/branches/ruby_1_9_1/lib -I.ext/common -I/-
-r/home/kazu/wc/ruby/branches/ruby_1_9_1/ext/purelib.rb /home/kazu/wc/ruby/branches/ruby_1_9_1/tool/generic_erb.rb -c -o
encdb.h /home/kazu/wc/ruby/branches/ruby_1_9_1/template/encdb.h.templ /home/kazu/wc/ruby/branches/ruby_1_9_1/enc enc
/home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:1310: [BUG] Segmentation fault
ruby 1.9.1p420 (2010-02-04 revision 26571) [i686-linux]
```

```
-- control frame -----
c:0013 p:---- s:0060 b:0060 l:000059 d:000059 CFUNC :catch
c:0012 p:0049 s:0056 b:0056 l:001d30 d:001024 BLOCK /home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:1310
c:0011 p:---- s:0050 b:0050 l:000049 d:000049 FINISH
c:0010 p:---- s:0048 b:0048 l:000047 d:000047 CFUNC :catch
c:0009 p:0062 s:0044 b:0044 l:001d30 d:001d30 METHOD /home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:1258
c:0008 p:0024 s:0034 b:0034 l:000033 d:000033 METHOD /home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:1252
c:0007 p:0066 s:0029 b:0029 l:000c7c d:0004f8 BLOCK /home/kazu/wc/ruby/branches/ruby_1_9_1/tool/generic_erb.rb:12
c:0006 p:0116 s:0026 b:0026 l:000025 d:000025 METHOD /home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:793
c:0005 p:---- s:0020 b:0020 l:000019 d:000019 FINISH
c:0004 p:---- s:0018 b:0018 l:000017 d:000017 CFUNC :new
c:0003 p:0069 s:0015 b:0015 l:000c7c d:001ae8 EVAL /home/kazu/wc/ruby/branches/ruby_1_9_1/tool/generic_erb.rb:8
c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH
c:0001 p:0000 s:0002 b:0002 l:000c7c d:000c7c TOP
```

```
-- Ruby level backtrace information-----
/home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:1310:in catch'
/home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:1310:inblock in parse_in_order'
/home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:1258:in catch'
/home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:1258:inparse_in_order'
/home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:1252:in order!'
/home/kazu/wc/ruby/branches/ruby_1_9_1/tool/generic_erb.rb:12:inblock in '
/home/kazu/wc/ruby/branches/ruby_1_9_1/lib/optparse.rb:793:in initialize'
/home/kazu/wc/ruby/branches/ruby_1_9_1/tool/generic_erb.rb:8:innew'
/home/kazu/wc/ruby/branches/ruby_1_9_1/tool/generic_erb.rb:8:in ``
```

```
-- C level backtrace information -----
0x816a589 ./miniruby(rb_vm_bugreport+0x69) [0x816a589]
0x808674f ./miniruby [0x808674f]
0x80867ea ./miniruby(rb_bug+0x3a) [0x80867ea]
0x8111974 ./miniruby [0x8111974]
0x4001d410 [0x4001d410]
0x8158368 ./miniruby [0x8158368]
0x81586a4 ./miniruby [0x81586a4]
0x81631a6 ./miniruby [0x81631a6]
0x815e40a ./miniruby [0x815e40a]
0x81617b9 ./miniruby [0x81617b9]
0x8167f16 ./miniruby [0x8167f16]
0x8158368 ./miniruby [0x8158368]
0x81586a4 ./miniruby [0x81586a4]
```

```
0x81631a6 ./miniruby [0x81631a6]
0x815e40a ./miniruby [0x815e40a]
0x81617b9 ./miniruby [0x81617b9]
0x81637c3 ./miniruby [0x81637c3]
0x815af7e ./miniruby(rb_funcall2+0xfe) [0x815af7e]
0x8087a60 ./miniruby(rb_obj_call_init+0x50) [0x8087a60]
0x80bd48a ./miniruby(rb_class_new_instance+0x3a) [0x80bd48a]
0x8158368 ./miniruby [0x8158368]
0x81586a4 ./miniruby [0x81586a4]
0x81631a6 ./miniruby [0x81631a6]
0x815e40a ./miniruby [0x815e40a]
0x81617b9 ./miniruby [0x81617b9]
0x8161a0b ./miniruby(rb_iseq_eval_main+0xab) [0x8161a0b]
0x8088737 ./miniruby(ruby_exec_node+0xb7) [0x8088737]
0x8089d46 ./miniruby(ruby_run_node+0x56) [0x8089d46]
0x805cfde ./miniruby(main+0x7e) [0x805cfde]
0x400ccb56 /lib/tls/i686/cmouv/libc.so.6(__libc_start_main+0xe6) [0x400ccb56]
0x805cec1 ./miniruby [0x805cec1]
```

[NOTE]

You may encounter a bug of Ruby interpreter. Bug reports are welcome.  
For details: <http://www.ruby-lang.org/bugreport.html>

make: \*\*\* [encdb.h] Aborted

gdb 0000000000000000 th 0xffffffff 00000000 th->errinfo 000000000000

```
% gdb --args ./miniruby -l/home/kazu/wc/ruby/branches/ruby_1_9_1/lib -l.ext/common -l.-
-r/home/kazu/wc/ruby/branches/ruby_1_9_1/ext/purelib.rb /home/kazu/wc/ruby/branches/ruby_1_9_1/tool/generic_erb.rb -c -o
encdb.h /home/kazu/wc/ruby/branches/ruby_1_9_1/template/encdb.h.tpl /home/kazu/wc/ruby/branches/ruby_1_9_1/enc enc
GNU gdb (GDB) 7.0-ubuntu
```

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License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>  
This is free software: you are free to change and redistribute it.  
There is NO WARRANTY, to the extent permitted by law. Type "show copying"  
and "show warranty" for details.  
This GDB was configured as "i486-linux-gnu".  
For bug reporting instructions, please see:  
[http://www.gnu.org/software/gdb/bugs/...](http://www.gnu.org/software/gdb/bugs/)

Reading symbols from /home/kazu/build/ruby/ruby\_1\_9\_1/ruby/miniruby...done.

```
(gdb) r
Starting program: /home/kazu/build/ruby/ruby_1_9_1/ruby/miniruby -l/home/kazu/wc/ruby/branches/ruby_1_9_1/lib -l.ext/common
-l.- -r/home/kazu/wc/ruby/branches/ruby_1_9_1/ext/purelib.rb /home/kazu/wc/ruby/branches/ruby_1_9_1/tool/generic_erb.rb -c -o
encdb.h /home/kazu/wc/ruby/branches/ruby_1_9_1/template/encdb.h.tpl /home/kazu/wc/ruby/branches/ruby_1_9_1/enc enc
[Thread debugging using libthread_db enabled]
[New Thread 0xb7c00b70 (LWP 14843)]
```

```
Program received signal SIGSEGV, Segmentation fault.
0x08167f46 in rb_fCatch (argc=1, argv=0xb7c010ec)
at /home/kazu/wc/ruby/branches/ruby_1_9_1/vm_eval.c:1258
1258     else if (state == TAG_THROW && RNODE(th->errinfo)->u1.value == tag) {
(gdb) p state == TAG_THROW
$1 = 1
(gdb) p th
$2 = (rb_thread_t *) 0xffffffff
(gdb)
=end
```

**Related issues:**

Related to Ruby master - Bug #1299: Build failure on i586	<b>Closed</b>	<b>03/18/2009</b>
Related to Backport191 - Bug #3243: Can't build Ruby after r26506	<b>Closed</b>	
Related to Backport191 - Bug #3293: fails to build with gcc 4.4.3	<b>Closed</b>	

**History**

#1 - 03/23/2010 12:19 AM - kosaki (Motohiro KOSAKI)

=begin

```
Ubuntu 10.04β x86_64, gcc version 4.4.3 (Ubuntu 4.4.3-2ubuntu2)
gccCPU
=end
```

#2 - 03/23/2010 02:37 AM - naruse (Yui NARUSE)

```
=begin
miniruby make test
=end
```

#3 - 03/23/2010 09:36 AM - znz (Kazuhiro NISHIYAMA)

```
=begin
make test catch
```

% make test

sample/test.rb:assignment

```
sample/test.rb:condition ..
sample/test.rb:if/unless ...
sample/test.rb:case .....
sample/test.rb:while/until .....
sample/test.rb:exception ...../home/kazu/wc/ruby/branches/ruby_1_9_1/sample/test.rb:713: [BUG] Segmentation fault
ruby 1.9.1p420 (2010-02-04 revision 26571) [i686-linux]
```

```
-- control frame -----
c:0004 p:---- s:0053 b:0053 l:000052 d:000052 CFUNC :catch
c:0003 p:14355 s:0049 b:0048 l:0017dc d:0007cc EVAL /home/kazu/wc/ruby/branches/ruby_1_9_1/sample/test.rb:713
c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH
c:0001 p:0000 s:0002 b:0002 l:0017dc d:0017dc TOP
```

```
-- Ruby level backtrace information-----
/home/kazu/wc/ruby/branches/ruby_1_9_1/sample/test.rb:713:in catch'
/home/kazu/wc/ruby/branches/ruby_1_9_1/sample/test.rb:713:in'
```

```
-- C level backtrace information -----
0x4014a1e9 /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1(rb_vm_bugreport+0x69) [0x4014a1e9]
0x400663af /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1 [0x400663af]
0x4006644a /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1(rb_bug+0x3a) [0x4006644a]
0x400f15d4 /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1 [0x400f15d4]
0x4001d410 [0x4001d410]
0x40137fc8 /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1 [0x40137fc8]
0x40138304 /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1 [0x40138304]
0x40142e06 /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1 [0x40142e06]
0x4013e06a /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1 [0x4013e06a]
0x40141419 /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1 [0x40141419]
0x4014166b /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1(rb_iseq_eval_main+0xab) [0x4014166b]
0x40068397 /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1(ruby_exec_node+0xb7) [0x40068397]
0x400699a6 /home/kazu/build/ruby/ruby_1_9_1/ruby/libruby-1.9.1.so.1.9.1(ruby_run_node+0x56) [0x400699a6]
0x804887e /home/kazu/build/ruby/ruby_1_9_1/ruby/ruby-1.9.1(main+0x7e) [0x804887e]
0x40254b56 /lib/tls/i686/cmouv/libc.so.6(__libc_start_main+0xe6) [0x40254b56]
0x8048761 /home/kazu/build/ruby/ruby_1_9_1/ruby/ruby-1.9.1 [0x8048761]
```

[NOTE]
You may encounter a bug of Ruby interpreter. Bug reports are welcome.
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```
test failed
make: *** [test-sample] 1
```

```
% ./miniruby -e 'catch(:foo){}'
% ./miniruby -e 'catch(:foo){throw :bar}'
-e:1:in throw': uncaught throw :bar (ArgumentError)
from -e:1:inblock in '
from -e:1:in catch'
from -e:1:in'
% ./miniruby -e 'catch(:foo){throw :foo}'
-e:1: [BUG] Segmentation fault
ruby 1.9.1p420 (2010-02-04 revision 26571) [i686-linux]
```

```
-- control frame -----
```

```
c:0004 p:---- s:0010 b:0010 l:000009 d:000009 CFUNC :catch
c:0003 p:0011 s:0006 b:0006 l:0010ec d:00218c EVAL -e:1
c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH
c:0001 p:0000 s:0002 b:0002 l:0010ec d:0010ec TOP
```

-- Ruby level backtrace information-----

```
-e:1:in catch'
-e:1:in'
```

-- C level backtrace information -----

```
0x816a589 ./miniruby(rb_vm_bugreport+0x69) [0x816a589]
0x808674f ./miniruby [0x808674f]
0x80867ea ./miniruby(rb_bug+0x3a) [0x80867ea]
0x8111974 ./miniruby [0x8111974]
0xb7861410 [0xb7861410]
0x8158368 ./miniruby [0x8158368]
0x81586a4 ./miniruby [0x81586a4]
0x81631a6 ./miniruby [0x81631a6]
0x815e40a ./miniruby [0x815e40a]
0x81617b9 ./miniruby [0x81617b9]
0x8161a0b ./miniruby(rb_iseq_eval_main+0xab) [0x8161a0b]
0x8088737 ./miniruby(ruby_exec_node+0xb7) [0x8088737]
0x8089d46 ./miniruby(ruby_run_node+0x56) [0x8089d46]
0x805cfde ./miniruby(main+0x7e) [0x805cfde]
0xb769ab56 /lib/tls/i686/cmov/libc.so.6(__libc_start_main+0xe6) [0xb769ab56]
0x805cec1 ./miniruby [0x805cec1]
```

[NOTE]  
You may encounter a bug of Ruby interpreter. Bug reports are welcome.  
For details: <http://www.ruby-lang.org/bugreport.html>

=end

**#4 - 03/24/2010 03:08 PM - znz (Kazuhiro NISHIYAMA)**

```
=begin
Fedora 11 gcc version 4.4.1 20090725 (Red Hat 4.4.1-2) (GCC) (gcc-4.4.1-2.fc11.i586)
Ubuntu 9.10 optflags=-O0 optflags=-O1 optflags=-O3 ./miniruby -e 'catch(:foo){throw :foo}'
amd64 gcc x86 gcc 4.4.1
=end
```

**#5 - 04/12/2010 02:07 AM - mame (Yusuke Endoh)**

- Status changed from Open to Third Party's Issue

```
=begin
gcc 4.4.1
inline callee caller
Third Party's issue
```

--  
Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)  
=end

**#6 - 06/01/2010 08:48 PM - lucas (Lucas Nussbaum)**

```
=begin
Yusuke Endoh, why is this marked as "Third Party's issue" ?
=end
```

**#7 - 06/01/2010 09:03 PM - mame (Yusuke Endoh)**

```
=begin
Hi Lucas,
```

I'm suspecting that there is a bug in gcc 4.4.1.  
A local variable of caller seems to be changed by callee if the callee is inlined. You can avoid this issue by using -O0 or -O1.

If you have anything to indicate ruby's bug, not gcc's, please let us know.

Even if this is gcc's bug, we have no reluctance to import a patch to avoid this issue, if you have.

--

Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

=end

**#8 - 08/02/2010 03:06 PM - naruse (Yui NARUSE)**

=begin  
□□□□□□□□

□□□ gcc 4.4 □ 32bit □□□□□□□□□□catch □□□□□□□□□□□□□□□  
□□□□□□□□ Ubuntu 9.10□Ubuntu 10.04□Fedora 11 (□□32bit) □□□□□□□□

Ruby □□□□□□□□□□□ gcc □□□□□□□□□□□□□□□□□□□□□□□□  
=end