

Ruby - Bug #15427

Assertion Failed: vm_method.c:858:prepare_callable_method_entry:callable_method_entry_p(cme)

12/17/2018 04:08 PM - osyo (manga osyo)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.6.0dev (2018-12-17 trunk 66427) [x86_64-linux]	Backport: 2.4: REQUIRED, 2.5: DONE

Description

Ruby(trunk) SEGV

```
module M1
  def bar
    "bar"
  end
end

module M2
  include M1

  #
  private(*M1.instance_methods(false))

  def meth
    bar
  end
end

self.extend M2

p meth
```

```
$ ./ruby -v
ruby 2.6.0dev (2018-12-17 trunk 66427) [x86_64-linux]
$ cat test.rb
module M1
  def bar
    "bar"
  end
end

module M2
  include M1

  #
  private(*M1.instance_methods(false))

  def meth
    bar
  end
end

self.extend M2

p meth
```

```

$ make DEFS=-DVM_CHECK_MODE=2 run
./revision.h unchanged
./miniruby -I./lib -I. -I.ext/common ./test.rb
Assertion Failed: vm_method.c:858:prepare_callable_method_entry:callable_method_entry_p(cme)
ruby 2.6.0dev (2018-12-17 trunk 66427) [x86_64-linux]

-- Control frame information -----
c:0003 p:0004 s:0012 e:000010 METHOD ./test.rb:14
c:0002 p:0033 s:0007 e:000005 EVAL ./test.rb:20 [FINISH]
c:0001 p:0000 s:0003 E:0018d0 (none) [FINISH]

-- Ruby level backtrace information -----
./test.rb:20:in `<main>'
./test.rb:14:in `meth'

-- C level backtrace information -----
/home/worker/build/ruby/ruby/miniruby(rb_vm_bugreport+0xac) [0x560d486612fc] vm_dump.c:715
/home/worker/build/ruby/ruby/miniruby(rb_assert_failure+0x72) [0x560d4848bdd2] error.c:674
/home/worker/build/ruby/ruby/miniruby(prepare_callable_method_entry+0x174) [0x560d48641944] vm_method.c:858
/home/worker/build/ruby/ruby/miniruby(rb_callable_method_entry+0x2f) [0x560d486419df] vm_method.c:874
/home/worker/build/ruby/ruby/miniruby(vm_call_method_each_type+0x439) [0x560d4864a929] vm_insnhelper.c:2123
/home/worker/build/ruby/ruby/miniruby(vm_call_method+0x142) [0x560d4864ac32] vm_insnhelper.c:2397
/home/worker/build/ruby/ruby/miniruby(vm_exec_core+0x12b) [0x560d4865124b] insns.def:763
/home/worker/build/ruby/ruby/miniruby(rb_vm_exec+0x9f) [0x560d4864787f] vm.c:1886
/home/worker/build/ruby/ruby/miniruby(ruby_exec_internal+0xd3) [0x560d48492753] eval.c:261
/home/worker/build/ruby/ruby/miniruby(ruby_exec_node+0x11) [0x560d4849725b] eval.c:325
/home/worker/build/ruby/ruby/miniruby(ruby_run_node) eval.c:317
/home/worker/build/ruby/ruby/miniruby(main+0x6f) [0x560d483fca7f] ./main.c:42

-- Other runtime information -----

* Loaded script: ./test.rb

* Loaded features:

  0 enumerator.so
  1 thread.rb
  2 rational.so
  3 complex.so

* Process memory map:

560d483d6000-560d48757000 r-xp 00000000 fd:00 11424864 /home/worker/build/ruby/ruby/miniruby
560d48956000-560d4895c000 r--p 00380000 fd:00 11424864 /home/worker/build/ruby/ruby/miniruby
560d4895c000-560d4895d000 rw-p 00386000 fd:00 11424864 /home/worker/build/ruby/ruby/miniruby
560d4895d000-560d4896e000 rw-p 00000000 00:00 0
560d49553000-560d49688000 rw-p 00000000 00:00 0 [heap]
7fb36bf94000-7fb36c173000 r--s 00000000 fd:00 1704138 /lib/x86_64-linux-gnu/libc-2.26.so
7fb36c173000-7fb36d3df000 r--s 00000000 fd:00 11424864 /home/worker/build/ruby/ruby/miniruby
7fb36d3df000-7fb36d3f5000 r-xp 00000000 fd:00 1706029 /lib/x86_64-linux-gnu/libgcc_s.so.1
7fb36d3f5000-7fb36d5f4000 ---p 00016000 fd:00 1706029 /lib/x86_64-linux-gnu/libgcc_s.so.1
7fb36d5f4000-7fb36d5f5000 r--p 00015000 fd:00 1706029 /lib/x86_64-linux-gnu/libgcc_s.so.1
7fb36d5f5000-7fb36d5f6000 rw-p 00016000 fd:00 1706029 /lib/x86_64-linux-gnu/libgcc_s.so.1
7fb36d5f6000-7fb36f5ff000 rw-p 00000000 00:00 0
7fb36f5ff000-7fb36f9db000 r--p 00000000 fd:00 5246337 /usr/lib/locale/locale-ar

```

chive							
7fb36f9db000-7fb36fbb1000	r-xp	00000000	fd:00	1704138		/lib/x86_64-linux-gnu/lib	
c-2.26.so							
7fb36fbb1000-7fb36fdb1000	---p	001d6000	fd:00	1704138		/lib/x86_64-linux-gnu/lib	
c-2.26.so							
7fb36fdb1000-7fb36fdb5000	r--p	001d6000	fd:00	1704138		/lib/x86_64-linux-gnu/lib	
c-2.26.so							
7fb36fdb5000-7fb36fdb7000	rw-p	001da000	fd:00	1704138		/lib/x86_64-linux-gnu/lib	
c-2.26.so							
7fb36fdb7000-7fb36fdbb000	rw-p	00000000	00:00	0			
7fb36fdbb000-7fb36ff10000	r-xp	00000000	fd:00	1704146		/lib/x86_64-linux-gnu/lib	
m-2.26.so							
7fb36ff10000-7fb37010f000	---p	00155000	fd:00	1704146		/lib/x86_64-linux-gnu/lib	
m-2.26.so							
7fb37010f000-7fb370110000	r--p	00154000	fd:00	1704146		/lib/x86_64-linux-gnu/lib	
m-2.26.so							
7fb370110000-7fb370111000	rw-p	00155000	fd:00	1704146		/lib/x86_64-linux-gnu/lib	
m-2.26.so							
7fb370111000-7fb37011a000	r-xp	00000000	fd:00	1704142		/lib/x86_64-linux-gnu/lib	
crypt-2.26.so							
7fb37011a000-7fb370319000	---p	00009000	fd:00	1704142		/lib/x86_64-linux-gnu/lib	
crypt-2.26.so							
7fb370319000-7fb37031a000	r--p	00008000	fd:00	1704142		/lib/x86_64-linux-gnu/lib	
crypt-2.26.so							
7fb37031a000-7fb37031b000	rw-p	00009000	fd:00	1704142		/lib/x86_64-linux-gnu/lib	
crypt-2.26.so							
7fb37031b000-7fb370349000	rw-p	00000000	00:00	0			
7fb370349000-7fb37034c000	r-xp	00000000	fd:00	1704144		/lib/x86_64-linux-gnu/lib	
dl-2.26.so							
7fb37034c000-7fb37054b000	---p	00003000	fd:00	1704144		/lib/x86_64-linux-gnu/lib	
dl-2.26.so							
7fb37054b000-7fb37054c000	r--p	00002000	fd:00	1704144		/lib/x86_64-linux-gnu/lib	
dl-2.26.so							
7fb37054c000-7fb37054d000	rw-p	00003000	fd:00	1704144		/lib/x86_64-linux-gnu/lib	
dl-2.26.so							
7fb37054d000-7fb370554000	r-xp	00000000	fd:00	1704195		/lib/x86_64-linux-gnu/lib	
rt-2.26.so							
7fb370554000-7fb370753000	---p	00007000	fd:00	1704195		/lib/x86_64-linux-gnu/lib	
rt-2.26.so							
7fb370753000-7fb370754000	r--p	00006000	fd:00	1704195		/lib/x86_64-linux-gnu/lib	
rt-2.26.so							
7fb370754000-7fb370755000	rw-p	00007000	fd:00	1704195		/lib/x86_64-linux-gnu/lib	
rt-2.26.so							
7fb370755000-7fb37076f000	r-xp	00000000	fd:00	1704193		/lib/x86_64-linux-gnu/lib	
pthread-2.26.so							
7fb37076f000-7fb37096e000	---p	0001a000	fd:00	1704193		/lib/x86_64-linux-gnu/lib	
pthread-2.26.so							
7fb37096e000-7fb37096f000	r--p	00019000	fd:00	1704193		/lib/x86_64-linux-gnu/lib	
pthread-2.26.so							
7fb37096f000-7fb370970000	rw-p	0001a000	fd:00	1704193		/lib/x86_64-linux-gnu/lib	
pthread-2.26.so							
7fb370970000-7fb370974000	rw-p	00000000	00:00	0			
7fb370974000-7fb370990000	r-xp	00000000	fd:00	1704018		/lib/x86_64-linux-gnu/lib	
z.so.1.2.11							
7fb370990000-7fb370b8f000	---p	0001c000	fd:00	1704018		/lib/x86_64-linux-gnu/lib	
z.so.1.2.11							
7fb370b8f000-7fb370b90000	r--p	0001b000	fd:00	1704018		/lib/x86_64-linux-gnu/lib	
z.so.1.2.11							
7fb370b90000-7fb370b91000	rw-p	0001c000	fd:00	1704018		/lib/x86_64-linux-gnu/lib	
z.so.1.2.11							
7fb370b91000-7fb370bb8000	r-xp	00000000	fd:00	1704130		/lib/x86_64-linux-gnu/ld-	
2.26.so							
7fb370c7c000-7fb370d84000	rw-p	00000000	00:00	0			
7fb370db1000-7fb370db8000	r--s	00000000	fd:00	5511606		/usr/lib/x86_64-linux-gnu	
/gconv/gconv-modules.cache							
7fb370db8000-7fb370db9000	r--p	00027000	fd:00	1704130		/lib/x86_64-linux-gnu/ld-	
2.26.so							

```

7fb370db9000-7fb370dba000 rw-p 00028000 fd:00 1704130 /lib/x86_64-linux-gnu/ld-
2.26.so
7fb370dba000-7fb370dbb000 rw-p 00000000 00:00 0
7ffd1fb25000-7ffd20324000 rw-p 00000000 00:00 0 [stack]
7ffd2039b000-7ffd2039e000 r--p 00000000 00:00 0 [vvar]
7ffd2039e000-7ffd203a0000 r-xp 00000000 00:00 0 [vdso]
ffffffff600000-ffffffff601000 r-xp 00000000 00:00 0 [vsyscall]

```

[NOTE]

You may have encountered a bug in the Ruby interpreter or extension libraries.

Bug reports are welcome.

For details: <https://www.ruby-lang.org/bugreport.html>

```
uncommon.mk:1140: 000000 'run' 000000000000
```

```
make: *** [run] 00 (000000000000)
```

0000 **Ruby** 000000

- b824c871174fc33519ce5344a8f08cbbc3980d62

Associated revisions

Revision 2103333e783b525f5d31195aa771d4bc91443e82 - 12/18/2018 08:33 AM - ko1 (Koichi Sasada)

should use defined_class.

- vm_insnhelper.c (vm_call_method_each_type): we should use me->defined_class instead of me->owner because me->owner doesn't has correct ancestors list. [Bug #15427]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@66436 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 2103333e783b525f5d31195aa771d4bc91443e82 - 12/18/2018 08:33 AM - ko1 (Koichi Sasada)

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Revision 2103333e - 12/18/2018 08:33 AM - ko1 (Koichi Sasada)

should use defined_class.

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@66436 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 75aba10d7ae24126b0f9aa561855020bdfcd8c9d - 03/12/2019 11:35 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 66436: [Backport #15427]

```
should use defined_class.
```

```
* vm_insnhelper.c (vm_call_method_each_type): we should use me->defined_class
instead of me->owner because me->owner doesn't has correct ancestors list.
[Bug #15427]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_5@67238 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 75aba10d7ae24126b0f9aa561855020bdfcd8c9d - 03/12/2019 11:35 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 66436: [Backport #15427]

```
should use defined_class.
```

```
* vm_insnhelper.c (vm_call_method_each_type): we should use me->defined_class
```

```
instead of me->owner because me->owner doesn't has correct ancestors list.  
[Bug #15427]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_5@67238 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 75aba10d - 03/12/2019 11:35 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 66436: [Backport #15427]

```
should use defined_class.
```

```
* vm_insnhelper.c (vm_call_method_each_type): we should use me->defined_class  
instead of me->owner because me->owner doesn't has correct ancestors list.  
[Bug #15427]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_5@67238 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 12/18/2018 08:33 AM - ko1 (Koichi Sasada)

- Status changed from Open to Closed

Applied in changeset trunk|r66436.

should use defined_class.

- vm_insnhelper.c (vm_call_method_each_type): we should use me->defined_class instead of me->owner because me->owner doesn't has correct ancestors list. [Bug [#15427](#)]

#2 - 12/18/2018 09:01 AM - nobu (Nobuyoshi Nakada)

- Backport changed from 2.4: UNKNOWN, 2.5: UNKNOWN to 2.4: REQUIRED, 2.5: REQUIRED

#3 - 12/18/2018 06:56 PM - ko1 (Koichi Sasada)

Thank you for your report.
This issue was from Ruby 2.0 :p

#4 - 12/19/2018 01:13 AM - osyo (manga osyo)

Thank you, ko1 and nobu :)

#5 - 03/12/2019 11:35 PM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.4: REQUIRED, 2.5: REQUIRED to 2.4: REQUIRED, 2.5: DONE

ruby_2_5 r67238 merged revision(s) 66436.