

Ruby - Bug #19305

TracePoint#parameters segfaults when certain method creation pattern is used

01/03/2023 09:57 PM - st0012 (Stan Lo)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	3.2.0, 3.1.3	Backport: 2.7: DONTNEED, 3.0: DONTNEED, 3.1: DONE, 3.2: DONE

Description

Reproduction Steps

1. Create a test.rb with:

```
class Foo
  attr_reader :bar
  alias_method :bar?, :bar
  remove_method :bar
end

f = Foo.new

TracePoint.trace(:a_call) do |tp|
  puts tp.method_id
  puts tp.parameters
end

f.bar?
```

1. Run ruby test.rb
2. Ruby would crash (an example crash report is attached below)

Implication

I learned this pattern from the [bootsnap gem](#). It defines Bootsnap::LoadPathCache.enabled? this way, which is used to patch [Kernel.require](#).

This means when users use bootsnap (likely a Rails app) with TracePoint#parameters (e.g. uses the [debug gem's tracer](#)), Ruby would crash whenever require is called.

Crash Report

```
<internal:trace_point>:329: [BUG] Segmentation fault at 0x0000000000000010
ruby 3.2.0 (2022-12-25 revision a528908271) [arm64-darwin21.5.0]

-- Crash Report log information -----
See Crash Report log file in one of the following locations:
* ~/Library/Logs/DiagnosticReports
* /Library/Logs/DiagnosticReports
for more details.
Don't forget to include the above Crash Report log file in bug reports.

-- Control frame information -----
c:0004 p:0003 s:0017 e:000016 METHOD <internal:trace_point>:329
c:0003 p:0013 s:0013 e:000011 BLOCK test.rb:11 [FINISH]
c:0002 p:0026 s:0008 E:000af8 EVAL test.rb:14 [FINISH]
c:0001 p:0000 s:0003 E:000a70 DUMMY [FINISH]

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

```
test.rb:11:in `block in <main>'  
<internal:trace_point>:329:in `parameters'
```

-- Machine register context -----

```
x0: 0x0000000000000000 x1: 0x000000000000eef1 x2: 0x000000016dbc2000  
x3: 0x000000016dbc2050 x4: 0x0000000000000000 x5: 0x0000000000000000  
x6: 0x0000000000000072 x7: 0x0000000000000024 x18: 0x0000000000000000  
x19: 0x000000016dbc25c0 x20: 0x000000016dbc25f0 x21: 0x0000000148107f00  
x22: 0x0000000000eef10c x23: 0x0000000154060b10 x24: 0x0000000148107f40  
x25: 0x0000000102520fa0 x26: 0x000000015406db59 x27: 0x0000000146823798  
x28: 0x0000000152f06bd0 lr: 0x0000000102c3e354 fp: 0x000000016dbc2040  
sp: 0x000000016dbc2030
```

-- C level backtrace information -----

```
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(rb_vm_bugreport+0x9a0) [0x102c3be20]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(rb_bug_for_fatal_signal+0x160) [0x102a60f1c]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(sig_do_nothing+0x0) [0x102b9a798]  
/usr/lib/system/libsystem_platform.dylib(_sigtramp+0x38) [0x1966182a4]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(rb_tracearg_parameters+0x1a0) [0x102c3e354]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(rb_tracearg_parameters+0x1a0) [0x102c3e354]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(vm_exec_core+0x57b8) [0x102c16988]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(rb_vm_exec+0xb2c) [0x102c26d20]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(rb_vm_invoke_proc+0x4b0) [0x102c24a0c]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(rb_proc_call_with_block+0x58) [0x102b388ac]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(tp_call_trace+0xc0) [0x102c3ea04]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(exec_hooks_protected+0x168) [0x102c3da2c]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(rb_exec_event_hooks+0x80) [0x102c3d774]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(vm_call_method_each_type+0xad8) [0x102c2b970]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(vm_sendish+0x4c8) [0x102c32384]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(vm_exec_core+0x24f0) [0x102c136c0]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(rb_vm_exec+0xb2c) [0x102c26d20]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(rb_ec_exec_node+0x12c) [0x102a6c5b0]  
/opt/rubies/3.2.0/lib/libruby.3.2.dylib(ruby_run_node+0x60) [0x102a6c41c]  
/opt/rubies/3.2.0/bin/ruby(main+0x68) [0x10223ff34]
```

-- Other runtime information -----

* Loaded script: test.rb

* Loaded features:

- 0 enumerator.so
- 1 thread.rb
- 2 fiber.so
- 3 rational.so
- 4 complex.so
- 5 ruby2_keywords.rb
- 6 /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
- 7 /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/trans/transdb.bundle
- 8 /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/rbconfig.rb
- 9 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/compatibility.rb
- 10 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/defaults.rb
- 11 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/deprecate.rb
- 12 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/errors.rb
- 13 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/unknown_command_spell_checker.rb
- 14 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/exceptions.rb
- 15 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/basic_specification.rb
- 16 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/stub_specification.rb
- 17 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/platform.rb
- 18 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/util/list.rb
- 19 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/version.rb
- 20 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/requirement.rb
- 21 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/specification.rb
- 22 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/util.rb
- 23 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/dependency.rb
- 24 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/core_ext/kernel_gem.rb
- 25 /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/monitor.bundle

```

26 /opt/rubies/3.2.0/lib/ruby/3.2.0/monitor.rb
27 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/core_ext/kernel_require.rb
28 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/core_ext/kernel_warn.rb
29 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems.rb
30 /opt/rubies/3.2.0/lib/ruby/3.2.0/rubygems/path_support.rb
31 /opt/rubies/3.2.0/lib/ruby/3.2.0/error_highlight/version.rb
32 /opt/rubies/3.2.0/lib/ruby/3.2.0/error_highlight/base.rb
33 /opt/rubies/3.2.0/lib/ruby/3.2.0/error_highlight/formatter.rb
34 /opt/rubies/3.2.0/lib/ruby/3.2.0/error_highlight/core_ext.rb
35 /opt/rubies/3.2.0/lib/ruby/3.2.0/error_highlight.rb
36 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/version.rb
37 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/core_ext/name_error.rb
38 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/levenshtein.rb
39 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/jaro_winkler.rb
40 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/spell_checker.rb
41 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/spell_checkers/name_error_checkers/class_name_
checker.rb
42 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/spell_checkers/name_error_checkers/variable_na
me_checker.rb
43 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/spell_checkers/name_error_checkers.rb
44 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/spell_checkers/method_name_checker.rb
45 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/spell_checkers/key_error_checker.rb
46 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/spell_checkers/null_checker.rb
47 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/tree_spell_checker.rb
48 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/spell_checkers/require_path_checker.rb
49 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/spell_checkers/pattern_key_name_checker.rb
50 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean/formatter.rb
51 /opt/rubies/3.2.0/lib/ruby/3.2.0/did_you_mean.rb
52 /opt/rubies/3.2.0/lib/ruby/3.2.0/syntax_suggest/core_ext.rb

```

* Process memory map:

```

10223c000-102240000 r-x /opt/rubies/3.2.0/bin/ruby
102240000-102244000 r-- /opt/rubies/3.2.0/bin/ruby
102244000-102248000 r-- /opt/rubies/3.2.0/bin/ruby
102248000-102288000 r-- /opt/rubies/3.2.0/bin/ruby
102288000-10228c000 r-- /opt/rubies/3.2.0/bin/ruby
102290000-1022a0000 rw- /opt/rubies/3.2.0/bin/ruby
1022a0000-1022ac000 r-- /opt/rubies/3.2.0/bin/ruby
1022b0000-1022c0000 rw- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022c8000-1022d0000 rw- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022d0000-1022d4000 r-- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022d4000-1022d8000 r-- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022d8000-1022dc000 rw- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022dc000-1022e0000 --- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022e0000-1022e8000 rw- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022e8000-1022ec000 --- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022ec000-1022f0000 --- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022f0000-1022f8000 rw- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022f8000-1022fc000 --- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
1022fc000-102300000 --- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
102300000-102308000 rw- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
102308000-10230c000 --- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
10230c000-102310000 r-- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
102310000-102314000 r-x /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
102314000-102318000 r-- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
102318000-10231c000 r-- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/encdb.bundle
102320000-102330000 rw- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/trans/transdb.bund
le
102330000-102334000 r-x /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/trans/transdb.bund
le
102334000-102338000 r-- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/trans/transdb.bund
le
102338000-10233c000 r-- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/enc/trans/transdb.bund
le
102340000-102350000 rw- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/monitor.bundle
102350000-102354000 r-x /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/monitor.bundle

```

102354000-102358000 r-- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/monitor.bundle
102358000-10235c000 rw- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/monitor.bundle
10235c000-102360000 r-- /opt/rubies/3.2.0/lib/ruby/3.2.0/arm64-darwin21.5.0/monitor.bundle
102360000-102370000 rw- /usr/lib/system/libsystem_platform.dylib
102380000-102390000 rw- /usr/lib/system/libsystem_platform.dylib
1023a0000-1023b0000 rw- /usr/lib/system/libsystem_platform.dylib
1023c0000-1023d0000 rw- /usr/lib/system/libsystem_platform.dylib
1023e0000-1023f0000 rw- /usr/lib/system/libsystem_platform.dylib
102400000-102410000 rw- /usr/lib/system/libsystem_platform.dylib
102420000-102430000 rw- /usr/lib/system/libsystem_platform.dylib
102440000-102450000 rw- /usr/lib/system/libsystem_platform.dylib
102460000-102470000 rw- /usr/lib/system/libsystem_platform.dylib
102480000-102490000 rw- /usr/lib/system/libsystem_platform.dylib
1024a0000-1024b0000 rw- /usr/lib/system/libsystem_platform.dylib
1024c0000-1024d0000 rw- /usr/lib/system/libsystem_platform.dylib
1024e0000-1024f0000 rw- /usr/lib/system/libsystem_platform.dylib
102500000-102510000 rw- /usr/lib/system/libsystem_platform.dylib
102520000-102530000 rw- /usr/lib/system/libsystem_platform.dylib
102540000-102550000 rw- /usr/lib/system/libsystem_platform.dylib
102560000-102570000 rw- /usr/lib/system/libsystem_platform.dylib
102580000-102590000 rw- /usr/lib/system/libsystem_platform.dylib
1025a0000-1025b0000 rw- /usr/lib/system/libsystem_platform.dylib
1025c0000-1025d0000 rw- /usr/lib/system/libsystem_platform.dylib
1025e0000-1025f0000 rw- /usr/lib/system/libsystem_platform.dylib
102600000-102610000 rw- /usr/lib/system/libsystem_platform.dylib
102620000-102630000 rw- /usr/lib/system/libsystem_platform.dylib
102640000-102650000 rw- /usr/lib/system/libsystem_platform.dylib
102650000-1026d0000 r-- /usr/lib/system/libsystem_platform.dylib
1029c8000-102e7c000 r-x /opt/rubies/3.2.0/lib/libruby.3.2.dylib
102e7c000-102e98000 r-- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
102e98000-102e9c000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
102e9c000-102eac000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
102eac000-1030d8000 r-- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1030d8000-1040d8000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1040d8000-1040dc000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1040dc000-104180000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104180000-104184000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104184000-104228000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104228000-10422c000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
10422c000-1042d0000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1042d0000-1042d4000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1042d4000-104378000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104378000-10437c000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
10437c000-104420000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104420000-104424000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104424000-1044c8000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1044c8000-1044cc000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1044cc000-104570000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104570000-104574000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104574000-104618000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104618000-10461c000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
10461c000-1046c0000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1046c0000-1046c4000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1046c4000-104768000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104768000-10476c000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
10476c000-104810000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104810000-104814000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104814000-1048b8000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1048b8000-1048bc000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
1048bc000-104960000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104960000-104964000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104964000-104a08000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104a08000-104a0c000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104a0c000-104ab0000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104ab0000-104ab4000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104ab4000-104b58000 rw- /opt/rubies/3.2.0/lib/libruby.3.2.dylib
104b58000-104b5c000 --- /opt/rubies/3.2.0/lib/libruby.3.2.dylib

104b5c000-104c00000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104c00000-104c04000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104c04000-104ca8000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104ca8000-104cac000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104cac000-104d50000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104d50000-104d54000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104d54000-104df8000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104df8000-104dfc000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104dfc000-104ea0000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104ea0000-104ea4000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104ea4000-104f48000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104f48000-104f4c000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104f4c000-104ff0000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104ff0000-104ff4000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
104ff4000-105098000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
105098000-10509c000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
10509c000-105140000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
105140000-105144000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
105144000-1051e8000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
1051e8000-1051ec000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
1051ec000-105290000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
105290000-105294000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
105294000-105338000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
105338000-10533c000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
10533c000-1053e0000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
1053e0000-1053e4000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
1053e4000-105488000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
105488000-10548c000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
10548c000-105530000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
105530000-105534000	---	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
105534000-1055d8000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
1055d8000-105cd8000	rw-	/opt/rubies/3.2.0/lib/libruby.3.2.dylib
113000000-113800000	rw-	
118000000-118800000	rw-	
118800000-119000000	rw-	
119000000-119800000	rw-	
119800000-11a000000	rw-	
11a000000-11a800000	rw-	
11a800000-11b000000	rw-	
11b000000-11b800000	rw-	
11b800000-11c000000	rw-	
11c000000-11c800000	rw-	
11c800000-11d000000	rw-	
11d000000-11d800000	rw-	
11d800000-11e000000	rw-	
11e000000-11e800000	rw-	
11e800000-11f000000	rw-	
11f000000-11f800000	rw-	
11f800000-120000000	rw-	
128000000-128800000	rw-	
128800000-129000000	rw-	
129000000-129800000	rw-	
129800000-12a000000	rw-	
12a000000-12a800000	rw-	
12a800000-12b000000	rw-	
12b000000-12b800000	rw-	
12b800000-12c000000	rw-	
12c000000-12c800000	rw-	
12c800000-12d000000	rw-	
12d000000-12d800000	rw-	
12d800000-12e000000	rw-	
12e000000-12e800000	rw-	
12e800000-12f000000	rw-	
12f000000-12f800000	rw-	
12f800000-130000000	rw-	
133000000-133800000	rw-	
138000000-138800000	rw-	

138800000-139000000	rw-
139000000-139800000	rw-
139800000-13a000000	rw-
13a000000-13a800000	rw-
13a800000-13b000000	rw-
13b000000-13b800000	rw-
13b800000-13c000000	rw-
13c000000-13c800000	rw-
13c800000-13d000000	rw-
13d000000-13d800000	rw-
13d800000-13e000000	rw-
13e000000-13e800000	rw-
13e800000-13f000000	rw-
13f000000-13f800000	rw-
13f800000-140000000	rw-
142e00000-142e04000	rw-
142f00000-143000000	rw-
143000000-143800000	rw-
143800000-144000000	rw-
144000000-146000000	rw-
146000000-146800000	rw-
146800000-146900000	rw-
146900000-146a00000	rw-
146a00000-146b00000	rw-
146b00000-146c00000	rw-
148000000-148800000	rw-
148800000-149000000	rw-
149000000-149800000	rw-
149800000-14a000000	rw-
14a000000-14a800000	rw-
14a800000-14b000000	rw-
14b000000-14b800000	rw-
14b800000-14c000000	rw-
14c000000-14c800000	rw-
14c800000-14d000000	rw-
14d000000-14d800000	rw-
14d800000-14e000000	rw-
14e000000-14e800000	rw-
14e800000-14f000000	rw-
14f000000-14f800000	rw-
14f800000-150000000	rw-
152e00000-152f00000	rw-
152f00000-153000000	rw-
153000000-153800000	rw-
153800000-154000000	rw-
154000000-154100000	rw-
158000000-158800000	rw-
158800000-159000000	rw-
159000000-159800000	rw-
159800000-15a000000	rw-
15a000000-15a800000	rw-
15a800000-15b000000	rw-
15b000000-15b800000	rw-
15b800000-15c000000	rw-
15c000000-15c800000	rw-
15c800000-15d000000	rw-
15d000000-15d800000	rw-
15d800000-15e000000	rw-
15e000000-15e800000	rw-
15e800000-15f000000	rw-
15f000000-15f800000	rw-
15f800000-160000000	rw-
169bc4000-16d3c8000	---
16d3c8000-16dbc4000	rw-
16dbc4000-16dbc8000	---
16dbc8000-16dc50000	rw-
180000000-1ee000000	r--

```
1ee000000-1ef794000 r--
1ef794000-1ef7bc000 rw-
1ef7bc000-1f0000000 rw-
1f0000000-1f1abc000 r--
1f1abc000-1f3690000 rw-
1f3690000-1f6b50000 r--
1f6b50000-1f8000000 r--
1f8000000-22a000000 r--
22a000000-22a8cc000 r--
22a8cc000-22c000000 rw-
22c000000-22cb34000 r--
22cb34000-22e194000 rw-
22e194000-22f5a0000 r--
22f5a0000-230000000 r--
230000000-280000000 r--
fc0000000-1000000000 ---
1000000000-7000000000 ---
[IMPORTANT]
```

Don't forget to include the Crash Report log file under DiagnosticReports directory in bug reports.

Associated revisions

Revision 837ef8911c638c3e2bdb6af710de7c1fac7b5f90 - 01/04/2023 07:59 PM - peterzhu2118 (Peter Zhu)

Fix crash in TracePoint c_call for removed method

trace_arg->id is the ID of the original method of an aliased method. If the original method is removed, then the lookup will fail. We should use trace_arg->called_id instead, which is the ID of the aliased method.

Fixes [Bug #19305]

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Revision 837ef891 - 01/04/2023 07:59 PM - peterzhu2118 (Peter Zhu)

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Fixes [Bug #19305]

Revision d7fb4629b4058eb86be03760e6b9f1f272e44147 - 01/18/2023 11:15 AM - naruse (Yui NARUSE)

merge revision(s) 837ef8911c638c3e2bdb6af710de7c1fac7b5f90: [Backport #19305]

```
Fix crash in TracePoint c_call for removed method
```

```
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the original method is removed, then the lookup will fail. We should use
trace_arg->called_id instead, which is the ID of the aliased method.
```

```
Fixes [Bug #19305]
```

```
---
```

```
test/ruby/test_settracefunc.rb | 23 ++++++
vm_trace.c                     | 2 +-
2 files changed, 24 insertions(+), 1 deletion(-)
```

Revision d7fb4629b4058eb86be03760e6b9f1f272e44147 - 01/18/2023 11:15 AM - naruse (Yui NARUSE)

merge revision(s) 837ef8911c638c3e2bdb6af710de7c1fac7b5f90: [Backport #19305]

Fix crash in TracePoint c_call for removed method

trace_arg->id is the ID of the original method of an aliased method. If the original method is removed, then the lookup will fail. We should use trace_arg->called_id instead, which is the ID of the aliased method.

Fixes [Bug #19305]

```
---
test/ruby/test_settracefunc.rb | 23 ++++++
vm_trace.c                     | 2 +-
2 files changed, 24 insertions(+), 1 deletion(-)
```

Revision d7fb4629 - 01/18/2023 11:15 AM - naruse (Yui NARUSE)

merge revision(s) 837ef8911c638c3e2bdb6af710de7c1fac7b5f90: [Backport #19305]

Fix crash in TracePoint c_call for removed method

trace_arg->id is the ID of the original method of an aliased method. If the original method is removed, then the lookup will fail. We should use trace_arg->called_id instead, which is the ID of the aliased method.

Fixes [Bug #19305]

```
---
test/ruby/test_settracefunc.rb | 23 ++++++
vm_trace.c                     | 2 +-
2 files changed, 24 insertions(+), 1 deletion(-)
```

Revision eba3f787cbd38acf60fff6bdb450aacfc2e9c3a1 - 03/21/2023 03:00 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 837ef8911c638c3e2bdb6af710de7c1fac7b5f90: [Backport #19305]

Fix crash in TracePoint c_call for removed method

trace_arg->id is the ID of the original method of an aliased method. If the original method is removed, then the lookup will fail. We should use trace_arg->called_id instead, which is the ID of the aliased method.

Fixes [Bug #19305]

```
---
test/ruby/test_settracefunc.rb | 23 ++++++
vm_trace.c                     | 2 +-
2 files changed, 24 insertions(+), 1 deletion(-)
```

Revision eba3f787cbd38acf60fff6bdb450aacfc2e9c3a1 - 03/21/2023 03:00 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 837ef8911c638c3e2bdb6af710de7c1fac7b5f90: [Backport #19305]

Fix crash in TracePoint c_call for removed method

trace_arg->id is the ID of the original method of an aliased method. If the original method is removed, then the lookup will fail. We should use trace_arg->called_id instead, which is the ID of the aliased method.

Fixes [Bug #19305]

```
---
test/ruby/test_settracefunc.rb | 23 ++++++
vm_trace.c                     | 2 +-
2 files changed, 24 insertions(+), 1 deletion(-)
```

Revision eba3f787 - 03/21/2023 03:00 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 837ef8911c638c3e2bdb6af710de7c1fac7b5f90: [Backport #19305]

Fix crash in TracePoint c_call for removed method

trace_arg->id is the ID of the original method of an aliased method. If the original method is removed, then the lookup will fail. We should use trace_arg->called_id instead, which is the ID of the aliased method.

Fixes [Bug #19305]

```
---
test/ruby/test_settracefunc.rb | 23 ++++++
vm_trace.c                     | 2 +-
2 files changed, 24 insertions(+), 1 deletion(-)
```

History

#1 - 01/04/2023 07:11 PM - peterzhu2118 (Peter Zhu)

- Backport changed from 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN, 3.2: UNKNOWN to 2.7: DONTNEED, 3.0: DONTNEED, 3.1: REQUIRED, 3.2: REQUIRED

Thank you for reporting this bug. I have a fix in this PR: <https://github.com/ruby/ruby/pull/7064>

#2 - 01/04/2023 11:06 PM - peterzhu2118 (Peter Zhu)

- Status changed from Open to Closed

Applied in changeset [git|837ef8911c638c3e2bdb6af710de7c1fac7b5f90](https://github.com/ruby/ruby/pull/7064).

Fix crash in TracePoint c_call for removed method

trace_arg->id is the ID of the original method of an aliased method. If the original method is removed, then the lookup will fail. We should use trace_arg->called_id instead, which is the ID of the aliased method.

Fixes [Bug [#19305](#)]

#3 - 01/04/2023 11:36 PM - st0012 (Stan Lo)

Thank you so much for the fix :-)

#4 - 01/19/2023 12:29 AM - naruse (Yui NARUSE)

- Backport changed from 2.7: DONTNEED, 3.0: DONTNEED, 3.1: REQUIRED, 3.2: REQUIRED to 2.7: DONTNEED, 3.0: DONTNEED, 3.1: REQUIRED, 3.2: DONE

ruby_3_2 d7fb4629b4058eb86be03760e6b9f1f272e44147 merged revision(s) 837ef8911c638c3e2bdb6af710de7c1fac7b5f90.

#5 - 03/21/2023 03:45 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.7: DONTNEED, 3.0: DONTNEED, 3.1: REQUIRED, 3.2: DONE to 2.7: DONTNEED, 3.0: DONTNEED, 3.1: DONE, 3.2: DONE

ruby_3_1 eba3f787cbd38acf60fff6bdb450aacfc2e9c3a1 merged revision(s) 837ef8911c638c3e2bdb6af710de7c1fac7b5f90.