

Ruby - Bug #18178

RubyVM::AST.of(method_defined_in_C) Segmentation fault

09/18/2021 10:05 AM - pocke (Masataka Kuwabara)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 3.1.0dev (2021-09-17T11:46:18Z master b45fe48fbb) [x86_64-linux]	Backport: 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN

Description

RubyVM::AbstractSyntaxTree.of segfault when it receives a method defined in C.

```
$ ruby -ve 'RubyVM::AbstractSyntaxTree.of(String.instance_method(:gsub))'
ruby 3.1.0dev (2021-09-17T11:46:18Z master b45fe48fbb) [x86_64-linux]
<internal:ast>:67: [BUG] Segmentation fault at 0x0000000000000010
ruby 3.1.0dev (2021-09-17T11:46:18Z master b45fe48fbb) [x86_64-linux]

-- Control frame information -----
c:0003 p:0003 s:0013 e:000012 METHOD <internal:ast>:67
c:0002 p:0028 s:0006 e:000005 EVAL -e:1 [FINISH]
c:0001 p:0000 s:0003 E:001750 (none) [FINISH]

-- Ruby level backtrace information -----
-e:1:in `<main>'
<internal:ast>:67:in `of'

-- Machine register context -----
RIP: 0x00007f38f67c4d50 RBP: 0x00007f38f26f56d0 RSP: 0x00007ffdae0b0f88
RAX: 0x0000000000000000 RBX: 0x0000000000000000 RCX: 0x0000000000000000
RDX: 0x000055bf9a13e050 RDI: 0x0000000000000000 RSI: 0x00007f38f6a82b80
R8: 0x0000000000000000 R9: 0x00007f38f5c4da80 R10: 0x00007f38f669ec08
R11: 0x00007f38f67c6b20 R12: 0x0000000000000000 R13: 0x000055bf9a1078c0
R14: 0x000055bf9a1ef038 R15: 0x00007f38f5d57f68 EFL: 0x0000000000010206

-- C level backtrace information -----
/home/pocke/.rbenv/versions/trunk/lib/libruby.so.3.1(rb_vm_bugreport+0x559) [0x7f38f69627d9]
/home/pocke/.rbenv/versions/trunk/lib/libruby.so.3.1(rb_bug_for_fatal_signal+0xf0) [0x7f38f67681c0]
/home/pocke/.rbenv/versions/trunk/lib/libruby.so.3.1(sigsegv+0x49) [0x7f38f68ba5c9]
[0x7f38f664b870]
/home/pocke/.rbenv/versions/trunk/lib/libruby.so.3.1(rb_iseq_realpath+0x0) [0x7f38f67c4d50]
/home/pocke/.rbenv/versions/trunk/lib/libruby.so.3.1(rb_iseq_from_eval_p+0x9) [0x7f38f67c6b29]
/home/pocke/.rbenv/versions/trunk/lib/libruby.so.3.1(ast_s_of+0x144) [0x7f38f66e5c74]
/home/pocke/.rbenv/versions/trunk/lib/libruby.so.3.1(vm_exec_core+0x26e1) [0x7f38f6949e61]
/home/pocke/.rbenv/versions/trunk/lib/libruby.so.3.1(rb_vm_exec+0x18a) [0x7f38f694cdaa]
/home/pocke/.rbenv/versions/trunk/lib/libruby.so.3.1(rb_ec_exec_node+0xa5) [0x7f38f676cd45]
/home/pocke/.rbenv/versions/trunk/lib/libruby.so.3.1(ruby_run_node+0x56) [0x7f38f6772b26]
/home/pocke/.rbenv/versions/trunk/bin/ruby(main+0x6f) [0x55bf9998112f]

-- Other runtime information -----

* Loaded script: -e

* Loaded features:

  0 enumerator.so
  1 thread.rb
  2 fiber.so
  3 rational.so
  4 complex.so
  5 ruby2_keywords.rb
```

```

6 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/x86_64-linux/enc/encdb.so
7 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/x86_64-linux/enc/trans/transdb.so
8 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/x86_64-linux/rbconfig.rb
9 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/compatibility.rb
10 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/defaults.rb
11 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/deprecate.rb
12 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/errors.rb
13 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/unknown_command_spell_checker.rb
14 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/exceptions.rb
15 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/basic_specification.rb
16 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/stub_specification.rb
17 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/text.rb
18 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/user_interaction.rb
19 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/specification_policy.rb
20 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/util/list.rb
21 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/platform.rb
22 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/version.rb
23 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/requirement.rb
24 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/specification.rb
25 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/util.rb
26 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/dependency.rb
27 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/core_ext/kernel_gem.rb
28 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/x86_64-linux/monitor.so
29 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/monitor.rb
30 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/core_ext/kernel_require.rb
31 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/core_ext/kernel_warn.rb
32 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems.rb
33 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/rubygems/path_support.rb
34 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/error_highlight/version.rb
35 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/error_highlight/base.rb
36 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/error_highlight/formatter.rb
37 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/error_highlight/core_ext.rb
38 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/error_highlight.rb
39 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/version.rb
40 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/core_ext/name_error.rb
41 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/levenshtein.rb
42 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/jaro_winkler.rb
43 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/spell_checker.rb
44 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/spell_checkers/name_error_checker/
class_name_checker.rb
45 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/spell_checkers/name_error_checker/
variable_name_checker.rb
46 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/spell_checkers/name_error_checker.
rb
47 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/spell_checkers/method_name_checker.
rb
48 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/spell_checkers/key_error_checker.
rb
49 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/spell_checkers/null_checker.rb
50 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/tree_spell_checker.rb
51 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/spell_checkers/require_path_checker.
rb
52 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean/formatters/plain_formatter.rb
53 /home/pocke/.rbenv/versions/trunk/lib/ruby/3.1.0/did_you_mean.rb

```

* Process memory map:

```

55bf99980000-55bf99981000 r--p 00000000 08:02 16281712 /home/pocke/.rbenv/versions/trunk/bin/ruby
55bf99981000-55bf99982000 r-xp 00001000 08:02 16281712 /home/pocke/.rbenv/versions/trunk/bin/ruby
55bf99982000-55bf99983000 r--p 00002000 08:02 16281712 /home/pocke/.rbenv/versions/trunk/bin/ruby
55bf99983000-55bf99984000 r--p 00002000 08:02 16281712 /home/pocke/.rbenv/versions/trunk/bin/ruby
55bf99984000-55bf99985000 rw-p 00003000 08:02 16281712 /home/pocke/.rbenv/versions/trunk/bin/ruby

```

55bf9a103000-55bf9a443000	rw-p	00000000	00:00	0	[heap]
7f38f267c000-7f38f26b1000	r--s	00000000	08:02	16281712	/home/pocke/.rbenv/versio
ns/trunk/bin/ruby					
7f38f26b1000-7f38f26b4000	r--p	00000000	08:02	4722349	/usr/lib/libgcc_s.so.1
7f38f26b4000-7f38f26c6000	r-xp	00003000	08:02	4722349	/usr/lib/libgcc_s.so.1
7f38f26c6000-7f38f26c9000	r--p	00015000	08:02	4722349	/usr/lib/libgcc_s.so.1
7f38f26c9000-7f38f26ca000	---p	00018000	08:02	4722349	/usr/lib/libgcc_s.so.1
7f38f26ca000-7f38f26cb000	r--p	00018000	08:02	4722349	/usr/lib/libgcc_s.so.1
7f38f26cb000-7f38f26cc000	rw-p	00019000	08:02	4722349	/usr/lib/libgcc_s.so.1
7f38f26ef000-7f38f26f0000	r--p	00000000	08:02	16289278	/home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/monitor.so					
7f38f26f0000-7f38f26f1000	r-xp	00001000	08:02	16289278	/home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/monitor.so					
7f38f26f1000-7f38f26f2000	r--p	00002000	08:02	16289278	/home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/monitor.so					
7f38f26f2000-7f38f26f3000	r--p	00002000	08:02	16289278	/home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/monitor.so					
7f38f26f3000-7f38f26f4000	rw-p	00003000	08:02	16289278	/home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/monitor.so					
7f38f26f4000-7f38f2714000	rw-p	00000000	00:00	0	
7f38f2718000-7f38f2768000	rw-p	00000000	00:00	0	
7f38f276b000-7f38f276c000	r--p	00000000	08:02	16286894	/home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/enc/trans/transdb.so					
7f38f276c000-7f38f276d000	r-xp	00001000	08:02	16286894	/home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/enc/trans/transdb.so					
7f38f276d000-7f38f276e000	r--p	00002000	08:02	16286894	/home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/enc/trans/transdb.so					
7f38f276e000-7f38f276f000	r--p	00002000	08:02	16286894	/home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/enc/trans/transdb.so					
7f38f276f000-7f38f2770000	rw-p	00003000	08:02	16286894	/home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/enc/trans/transdb.so					
7f38f2770000-7f38f2771000	---p	00000000	00:00	0	
7f38f2771000-7f38f2812000	rw-p	00000000	00:00	0	
7f38f2812000-7f38f2813000	---p	00000000	00:00	0	
7f38f2813000-7f38f28b4000	rw-p	00000000	00:00	0	
7f38f28b4000-7f38f28b5000	---p	00000000	00:00	0	
7f38f28b5000-7f38f2956000	rw-p	00000000	00:00	0	
7f38f2956000-7f38f2957000	---p	00000000	00:00	0	
7f38f2957000-7f38f29f8000	rw-p	00000000	00:00	0	
7f38f29f8000-7f38f29f9000	---p	00000000	00:00	0	
7f38f29f9000-7f38f2a9a000	rw-p	00000000	00:00	0	
7f38f2a9a000-7f38f2a9b000	---p	00000000	00:00	0	
7f38f2a9b000-7f38f2b3c000	rw-p	00000000	00:00	0	
7f38f2b3c000-7f38f2b3d000	---p	00000000	00:00	0	
7f38f2b3d000-7f38f2bde000	rw-p	00000000	00:00	0	
7f38f2bde000-7f38f2bdf000	---p	00000000	00:00	0	
7f38f2bdf000-7f38f2c80000	rw-p	00000000	00:00	0	
7f38f2c80000-7f38f2c81000	---p	00000000	00:00	0	
7f38f2c81000-7f38f2d22000	rw-p	00000000	00:00	0	
7f38f2d22000-7f38f2d23000	---p	00000000	00:00	0	
7f38f2d23000-7f38f2dc4000	rw-p	00000000	00:00	0	
7f38f2dc4000-7f38f2dc5000	---p	00000000	00:00	0	
7f38f2dc5000-7f38f2e66000	rw-p	00000000	00:00	0	
7f38f2e66000-7f38f2e67000	---p	00000000	00:00	0	
7f38f2e67000-7f38f2f08000	rw-p	00000000	00:00	0	
7f38f2f08000-7f38f2f09000	---p	00000000	00:00	0	
7f38f2f09000-7f38f2faa000	rw-p	00000000	00:00	0	
7f38f2faa000-7f38f2fab000	---p	00000000	00:00	0	
7f38f2fab000-7f38f304c000	rw-p	00000000	00:00	0	
7f38f304c000-7f38f304d000	---p	00000000	00:00	0	
7f38f304d000-7f38f30ee000	rw-p	00000000	00:00	0	
7f38f30ee000-7f38f30ef000	---p	00000000	00:00	0	
7f38f30ef000-7f38f3190000	rw-p	00000000	00:00	0	
7f38f3190000-7f38f3191000	---p	00000000	00:00	0	
7f38f3191000-7f38f3232000	rw-p	00000000	00:00	0	
7f38f3232000-7f38f3233000	---p	00000000	00:00	0	
7f38f3233000-7f38f32d4000	rw-p	00000000	00:00	0	

7f38f32d4000-7f38f32d5000	---p	00000000	00:00	0	
7f38f32d5000-7f38f3376000	rw-p	00000000	00:00	0	
7f38f3376000-7f38f3377000	---p	00000000	00:00	0	
7f38f3377000-7f38f3418000	rw-p	00000000	00:00	0	
7f38f3418000-7f38f3419000	---p	00000000	00:00	0	
7f38f3419000-7f38f34ba000	rw-p	00000000	00:00	0	
7f38f34ba000-7f38f34bb000	---p	00000000	00:00	0	
7f38f34bb000-7f38f355c000	rw-p	00000000	00:00	0	
7f38f355c000-7f38f355d000	---p	00000000	00:00	0	
7f38f355d000-7f38f35fe000	rw-p	00000000	00:00	0	
7f38f35fe000-7f38f35ff000	---p	00000000	00:00	0	
7f38f35ff000-7f38f36a0000	rw-p	00000000	00:00	0	
7f38f36a0000-7f38f36a1000	---p	00000000	00:00	0	
7f38f36a1000-7f38f3742000	rw-p	00000000	00:00	0	
7f38f3742000-7f38f3743000	---p	00000000	00:00	0	
7f38f3743000-7f38f37e4000	rw-p	00000000	00:00	0	
7f38f37e4000-7f38f37e5000	---p	00000000	00:00	0	
7f38f37e5000-7f38f3886000	rw-p	00000000	00:00	0	
7f38f3886000-7f38f3887000	---p	00000000	00:00	0	
7f38f3887000-7f38f3928000	rw-p	00000000	00:00	0	
7f38f3928000-7f38f3929000	---p	00000000	00:00	0	
7f38f3929000-7f38f39ca000	rw-p	00000000	00:00	0	
7f38f39ca000-7f38f39cb000	---p	00000000	00:00	0	
7f38f39cb000-7f38f3a6c000	rw-p	00000000	00:00	0	
7f38f3a6c000-7f38f3a6d000	---p	00000000	00:00	0	
7f38f3a6d000-7f38f3b0e000	rw-p	00000000	00:00	0	
7f38f3b0e000-7f38f3b0f000	---p	00000000	00:00	0	
7f38f3b0f000-7f38f5bb0000	rw-p	00000000	00:00	0	
7f38f5bb0000-7f38f5d59000	rw-p	00000000	00:00	0	
7f38f5d59000-7f38f623b000	r--p	00000000	08:02	4761962	/usr/lib/locale/locale-ar
chive					
7f38f623b000-7f38f623d000	rw-p	00000000	00:00	0	
7f38f623d000-7f38f6263000	r--p	00000000	08:02	4721731	/usr/lib/libc-2.33.so
7f38f6263000-7f38f63ae000	r-xp	00026000	08:02	4721731	/usr/lib/libc-2.33.so
7f38f63ae000-7f38f63fa000	r--p	00171000	08:02	4721731	/usr/lib/libc-2.33.so
7f38f63fa000-7f38f63fd000	r--p	001bc000	08:02	4721731	/usr/lib/libc-2.33.so
7f38f63fd000-7f38f6400000	rw-p	001bf000	08:02	4721731	/usr/lib/libc-2.33.so
7f38f6400000-7f38f6409000	rw-p	00000000	00:00	0	
7f38f6409000-7f38f6418000	r--p	00000000	08:02	4721765	/usr/lib/libm-2.33.so
7f38f6418000-7f38f64b2000	r-xp	0000f000	08:02	4721765	/usr/lib/libm-2.33.so
7f38f64b2000-7f38f654a000	r--p	000a9000	08:02	4721765	/usr/lib/libm-2.33.so
7f38f654a000-7f38f654b000	---p	00141000	08:02	4721765	/usr/lib/libm-2.33.so
7f38f654b000-7f38f654c000	r--p	00141000	08:02	4721765	/usr/lib/libm-2.33.so
7f38f654c000-7f38f654d000	rw-p	00142000	08:02	4721765	/usr/lib/libm-2.33.so
7f38f654d000-7f38f654f000	r--p	00000000	08:02	4768629	/usr/lib/libcrypt.so.2.0.
0					
7f38f654f000-7f38f6561000	r-xp	00002000	08:02	4768629	/usr/lib/libcrypt.so.2.0.
0					
7f38f6561000-7f38f657a000	r--p	00014000	08:02	4768629	/usr/lib/libcrypt.so.2.0.
0					
7f38f657a000-7f38f657b000	r--p	0002c000	08:02	4768629	/usr/lib/libcrypt.so.2.0.
0					
7f38f657b000-7f38f657c000	rw-p	0002d000	08:02	4768629	/usr/lib/libcrypt.so.2.0.
0					
7f38f657c000-7f38f6586000	rw-p	00000000	00:00	0	
7f38f6586000-7f38f6588000	r--p	00000000	08:02	4721749	/usr/lib/libdl-2.33.so
7f38f6588000-7f38f658a000	r-xp	00002000	08:02	4721749	/usr/lib/libdl-2.33.so
7f38f658a000-7f38f658b000	r--p	00004000	08:02	4721749	/usr/lib/libdl-2.33.so
7f38f658b000-7f38f658c000	r--p	00004000	08:02	4721749	/usr/lib/libdl-2.33.so
7f38f658c000-7f38f658d000	rw-p	00005000	08:02	4721749	/usr/lib/libdl-2.33.so
7f38f658d000-7f38f659e000	r--p	00000000	08:02	4725422	/usr/lib/libgmp.so.10.4.1
7f38f659e000-7f38f6612000	r-xp	00011000	08:02	4725422	/usr/lib/libgmp.so.10.4.1
7f38f6612000-7f38f6629000	r--p	00085000	08:02	4725422	/usr/lib/libgmp.so.10.4.1
7f38f6629000-7f38f662a000	---p	0009c000	08:02	4725422	/usr/lib/libgmp.so.10.4.1
7f38f662a000-7f38f662c000	r--p	0009c000	08:02	4725422	/usr/lib/libgmp.so.10.4.1
7f38f662c000-7f38f662d000	rw-p	0009e000	08:02	4725422	/usr/lib/libgmp.so.10.4.1
7f38f662d000-7f38f6630000	r--p	00000000	08:02	4721822	/usr/lib/librt-2.33.so

```

7f38f6630000-7f38f6634000 r-xp 00003000 08:02 4721822 /usr/lib/librt-2.33.so
7f38f6634000-7f38f6636000 r--p 00007000 08:02 4721822 /usr/lib/librt-2.33.so
7f38f6636000-7f38f6637000 r--p 00008000 08:02 4721822 /usr/lib/librt-2.33.so
7f38f6637000-7f38f6638000 rw-p 00009000 08:02 4721822 /usr/lib/librt-2.33.so
7f38f6638000-7f38f663f000 r--p 00000000 08:02 4721813 /usr/lib/libpthread-2.33.
so
7f38f663f000-7f38f664e000 r-xp 00007000 08:02 4721813 /usr/lib/libpthread-2.33.
so
7f38f664e000-7f38f6652000 r--p 00016000 08:02 4721813 /usr/lib/libpthread-2.33.
so
7f38f6652000-7f38f6653000 ---p 0001a000 08:02 4721813 /usr/lib/libpthread-2.33.
so
7f38f6653000-7f38f6654000 r--p 0001a000 08:02 4721813 /usr/lib/libpthread-2.33.
so
7f38f6654000-7f38f6655000 rw-p 0001b000 08:02 4721813 /usr/lib/libpthread-2.33.
so
7f38f6655000-7f38f6659000 rw-p 00000000 00:00 0
7f38f6659000-7f38f665c000 r--p 00000000 08:02 4731329 /usr/lib/libz.so.1.2.11
7f38f665c000-7f38f666a000 r-xp 00003000 08:02 4731329 /usr/lib/libz.so.1.2.11
7f38f666a000-7f38f6670000 r--p 00011000 08:02 4731329 /usr/lib/libz.so.1.2.11
7f38f6670000-7f38f6671000 ---p 00017000 08:02 4731329 /usr/lib/libz.so.1.2.11
7f38f6671000-7f38f6672000 r--p 00017000 08:02 4731329 /usr/lib/libz.so.1.2.11
7f38f6672000-7f38f6673000 rw-p 00018000 08:02 4731329 /usr/lib/libz.so.1.2.11
7f38f6673000-7f38f6674000 r--p 00000000 08:02 16289276 /home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/enc/encdb.so
7f38f6674000-7f38f6675000 r-xp 00001000 08:02 16289276 /home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/enc/encdb.so
7f38f6675000-7f38f6676000 r--p 00002000 08:02 16289276 /home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/enc/encdb.so
7f38f6676000-7f38f6677000 r--p 00002000 08:02 16289276 /home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/enc/encdb.so
7f38f6677000-7f38f6678000 rw-p 00003000 08:02 16289276 /home/pocke/.rbenv/versio
ns/trunk/lib/ruby/3.1.0/x86_64-linux/enc/encdb.so
7f38f6678000-7f38f6694000 rw-p 00000000 00:00 0
7f38f6696000-7f38f66c7000 r--p 00000000 08:02 16258939 /home/pocke/.rbenv/versio
ns/trunk/lib/libruby.so.3.1.0
7f38f66c7000-7f38f6970000 r-xp 00031000 08:02 16258939 /home/pocke/.rbenv/versio
ns/trunk/lib/libruby.so.3.1.0
7f38f6970000-7f38f6a7f000 r--p 002da000 08:02 16258939 /home/pocke/.rbenv/versio
ns/trunk/lib/libruby.so.3.1.0
7f38f6a7f000-7f38f6a80000 ---p 003e9000 08:02 16258939 /home/pocke/.rbenv/versio
ns/trunk/lib/libruby.so.3.1.0
7f38f6a80000-7f38f6a87000 r--p 003e9000 08:02 16258939 /home/pocke/.rbenv/versio
ns/trunk/lib/libruby.so.3.1.0
7f38f6a87000-7f38f6a8a000 rw-p 003f0000 08:02 16258939 /home/pocke/.rbenv/versio
ns/trunk/lib/libruby.so.3.1.0
7f38f6a8a000-7f38f6a9e000 rw-p 00000000 00:00 0
7f38f6a9e000-7f38f6a9f000 r--p 00000000 08:02 4721691 /usr/lib/ld-2.33.so
7f38f6a9f000-7f38f6ac3000 r-xp 00001000 08:02 4721691 /usr/lib/ld-2.33.so
7f38f6ac3000-7f38f6acc000 r--p 00025000 08:02 4721691 /usr/lib/ld-2.33.so
7f38f6acc000-7f38f6ace000 r--p 0002d000 08:02 4721691 /usr/lib/ld-2.33.so
7f38f6ace000-7f38f6ad0000 rw-p 0002f000 08:02 4721691 /usr/lib/ld-2.33.so
7ffdad8b4000-7ffdae0b3000 rw-p 00000000 00:00 0 [stack]
7ffdaelbd000-7ffdaelc1000 r--p 00000000 00:00 0 [vvar]
7ffdaelc1000-7ffdaelc3000 r-xp 00000000 00:00 0 [vdso]
fffffffffff600000-fffffffffff601000 --xp 00000000 00:00 0 [vsyscall]

```

I can reproduce it only with Ruby 3.1-dev. It just returns nil with Ruby 2.6.0-3.0.2.

```

$ docker run -it --rm rubylang/all-ruby env ALL_RUBY_SINCE=2.6 ./all-ruby -e
'p RubyVM::AbstractSyntaxTree.of(String.instance_method(:gsub)) '
ruby-2.6.0 nil
...
ruby-3.0.2 nil

```

Associated revisions

Revision ed9d9cee76ee941c504ccea33c70c0eb5d825813 - 09/18/2021 12:28 PM - mame (Yusuke Endoh)

ast.c: AST.of checks if a given method object is defined in C

[Bug #18178]

Revision ed9d9cee76ee941c504ccea33c70c0eb5d825813 - 09/18/2021 12:28 PM - mame (Yusuke Endoh)

ast.c: AST.of checks if a given method object is defined in C

[Bug #18178]

Revision ed9d9cee - 09/18/2021 12:28 PM - mame (Yusuke Endoh)

ast.c: AST.of checks if a given method object is defined in C

[Bug #18178]

History

#1 - 09/18/2021 12:53 PM - mame (Yusuke Endoh)

- *Status changed from Open to Closed*

Applied in changeset [gited9d9cee76ee941c504ccea33c70c0eb5d825813](#).

ast.c: AST.of checks if a given method object is defined in C

[Bug [#18178](#)]