

Ruby - Bug #21276

Regression segfault instead of exception `require`: cannot load such file

04/20/2025 09:54 PM - wsfulton (William Fulton)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:		Backport: 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: UNKNOWN

Description

A segfault occurs instead of a Ruby exception in one of the test cases we have in SWIG. I've run a git bisect on the 3.2 releases to identify commit 2aaa9af75989bb0993a44e9690ed2ca890b2ff91 for when the segfault begins:

```
commit 2aaa9af75989bb0993a44e9690ed2ca890b2ff91
Author: nagachika <nagachika@ruby-lang.org>
Date: Thu Nov 9 17:36:42 2023 +0900

    merge revision(s) 4329554f171fdb483cafa672df5f2a08741940c5,b5c74d548872388921402ff2db36be15e92
4a89b: [Backport #19985]

    [Bug #19985] Raise LoadError with the converted feature name

    `Kernel#require` converts feature name objects that have the `to_path`
method such as `Pathname`, but had used the original object on error
and had resulted in an unexpected `TypeError`.
---
    load.c | 14 ++++++++
    test/ruby/test_require.rb | 26 ++++++++
    2 files changed, 32 insertions(+), 8 deletions(-)

    Ease the `Encoding::CompatibilityError` test failure

    At the time this test first started using `assert_raise_with_message`,
it did not touch `Encoding.default_internal`.
---
    test/ruby/test_require.rb | 3 +-
    1 file changed, 2 insertions(+), 1 deletion(-)
```

So, ruby-3.2.2 is okay and 3.2.3 has the regression. Still present with ruby-3.2.8.

I'll provide two ways to replicate.

- 1. Using SWIG built from source:
 - 1a. clone SWIG from github and build SWIG using steps 1. and 2. from <https://swig.org/svn.html>. Note that you can specify a custom build of ruby to use with: ./configure --with-ruby=/my-path-to-ruby-installation/bin/ruby
 - 1b. cd Examples/test-suite/ruby
 - 1c. make import_fragments.cpptest CXXFLAGS=-g

This is my output using ruby version 3.2.3 (ruby git tag v3_2_3):

```
~/swig/github/wsfulton/swig/Examples/test-suite/ruby (master >)$ make import_fragments.cpptest CXX
FLAGS=-g
if [ -f ./import_fragments_runme.rb ]; then echo "checking ruby testcase import_fragments (with ru
n test)" ; else echo "checking ruby testcase import_fragments" ; fi
checking ruby testcase import_fragments (with run test)
make -f ../../../../Examples/Makefile SRCDIR='./' CXXSRCS='' SWIG_LIB_DIR='../../../../Lib' SWIGEXE='..
../../../../swig' INCLUDES='-I../../../../Examples/test-suite' SWIGOPT='-outcurrentdir -I../../../../Examples/
test-suite -w801 -noautorename -features autotoc=4 -Werror' NOLINK=true TARGET='import_fragments'
INTERFACEDIR='./' INTERFACE='import_fragments.i' ruby_cpp
make[1]: Entering directory '/home/william/swig/github/wsfulton/swig/Examples/test-suite/ruby'
env SWIG_LIB=../../../../Lib ../../../../swig -c++ -ruby -outcurrentdir -I../../../../Examples/test-suite
```

```

-w801 -noautorename -features autdoc=4 -Werror -o import_fragments_wrap.cxx ../../import_fragments
.i
g++ -c -fPIC -I. -I./ -g -fPIC import_fragments_wrap.cxx -I../../Examples/test-suite -I/home
e/william/install/ruby-3_2_3-debug/include/ruby-3.2.0 -I/home/william/install/ruby-3_2_3-debug/inc
lude/ruby-3.2.0/x86_64-linux
g++ -shared -g import_fragments_wrap.o -o import_fragments.so
make[1]: Leaving directory '/home/william/swig/github/wsfulton/swig/Examples/test-suite/ruby'
if [ -f ./import_fragments_runme.rb ]; then env LD_LIBRARY_PATH=.:$LD_LIBRARY_PATH /home/william/
install/ruby-3_2_3-debug/bin/ruby -I:. ./import_fragments_runme.rb; elif [ -f ./import_fragments
.so ] ; then env LD_LIBRARY_PATH=.:$LD_LIBRARY_PATH /home/william/install/ruby-3_2_3-debug/bin/ru
by -I:. -r./import_fragments.so -e ' '; fi
<internal:/home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/core_ext/kernel_require.r
b>:151: [BUG] Segmentation fault at 0x000000000000000a
ruby 3.2.3 (2024-01-18 revision 52bb2ac0a6) [x86_64-linux]

-- Control frame information -----
c:0004 p:0018 s:0029 e:000026 RESCUE <internal:/home/william/install/ruby-3_2_3-debug/lib/ruby/3.2
.0/rubygems/core_ext/kernel_require.rb>:151
c:0003 p:0275 s:0023 e:000022 METHOD <internal:/home/william/install/ruby-3_2_3-debug/lib/ruby/3.2
.0/rubygems/core_ext/kernel_require.rb>:40
c:0002 p:0014 s:0008 E:002010 EVAL ./import_fragments_runme.rb:15 [FINISH]
c:0001 p:0000 s:0003 E:000bf0 DUMMY [FINISH]

-- Ruby level backtrace information -----
./import_fragments_runme.rb:15:in `<main>'
<internal:/home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/core_ext/kernel_require.r
b>:40:in `require'
<internal:/home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/core_ext/kernel_require.r
b>:151:in `rescue in require'

-- Machine register context -----
RIP: 0x000057fa8949081d RBP: 0x00007ffdd0182518 RSP: 0x00007ffdd0182518
RAX: 0x000000000000000a RBX: 0x000057fa94261250 RCX: 0x000000000000008c
RDX: 0x000000000000008c RDI: 0x000000000000000a RSI: 0x000000000000008c
R8: 0x00000000000000845 R9: 0x0000000000000020 R10: 0x000057fa94071fc0
R11: 0x0000000000000040 R12: 0x0000000000000003 R13: 0x0000000000000000
R14: 0x000057fa94261260 R15: 0x00007b246ad86f10 EFL: 0x0000000000010283

-- C level backtrace information -----
/home/william/install/ruby-3_2_3-debug/bin/ruby(rb_print_backtrace+0x20) [0x57fa8950f75c] ../vm_du
mp.c:785
/home/william/install/ruby-3_2_3-debug/bin/ruby(rb_vm_bugreport+0x198) [0x57fa8950fd07] ../vm_dump
.c:1080
/home/william/install/ruby-3_2_3-debug/bin/ruby(rb_bug_for_fatal_signal+0x12c) [0x57fa895b3000]
/home/william/install/ruby-3_2_3-debug/bin/ruby(sigsegv+0x74) [0x57fa8945b1be] ../signal.c:964
/home/william/install/ruby-3_2_3-debug/bin/ruby(sigill) (null):0
/lib/x86_64-linux-gnu/libc.so.6(0x7b246aa45330) [0x7b246aa45330]
/home/william/install/ruby-3_2_3-debug/bin/ruby(hash_table_index+0x13) [0x57fa8949081d] ../id_tabl
e.c:132
/home/william/install/ruby-3_2_3-debug/bin/ruby(rb_id_table_lookup+0x38) [0x57fa89490bb5] ../id_ta
ble.c:230
/home/william/install/ruby-3_2_3-debug/bin/ruby(vm_search_cc+0x6e) [0x57fa894db233] ../vm_insnhelp
er.c:1988
/home/william/install/ruby-3_2_3-debug/bin/ruby(rb_vm_search_method_slowpath+0x51) [0x57fa894db4b3
] ../vm_insnhelper.c:2084
/home/william/install/ruby-3_2_3-debug/bin/ruby(vm_search_method_slowpath0+0x2e) [0x57fa894db51a]
../vm_insnhelper.c:2106
/home/william/install/ruby-3_2_3-debug/bin/ruby(vm_search_method_fastpath+0x66) [0x57fa894db614] .
../vm_insnhelper.c:2172
/home/william/install/ruby-3_2_3-debug/bin/ruby(vm_search_method) ../vm_insnhelper.c:2182
/home/william/install/ruby-3_2_3-debug/bin/ruby(vm_method_cfunc_is+0x2f) [0x57fa894db693] ../vm_in
snhelper.c:2237
/home/william/install/ruby-3_2_3-debug/bin/ruby(opt_equality+0x6a) [0x57fa894db990] ../vm_insnhelp
er.c:2324
/home/william/install/ruby-3_2_3-debug/bin/ruby(vm_exec_core+0x5983) [0x57fa894efa06] ../insns.def
:1174
/home/william/install/ruby-3_2_3-debug/bin/ruby(rb_vm_exec+0x1a8) [0x57fa8950499c] ../vm.c:2383

```

```

/home/william/install/ruby-3_2_3-debug/bin/ruby(rb_iseq_eval_main+0x42) [0x57fa89505731] ../vm.c:2
633
/home/william/install/ruby-3_2_3-debug/bin/ruby(rb_ec_exec_node+0x125) [0x57fa892deeb9] ../eval.c:
289
/home/william/install/ruby-3_2_3-debug/bin/ruby(ruby_run_node+0x96) [0x57fa892df026] ../eval.c:330
/home/william/install/ruby-3_2_3-debug/bin/ruby(rb_main+0x4c) [0x57fa892da455] ../main.c:38
/home/william/install/ruby-3_2_3-debug/bin/ruby(main+0x62) [0x57fa892da4cd] ../main.c:57

-- Other runtime information -----

* Loaded script: ./import_fragments_runme.rb

* Loaded features:

  0 enumerator.so
  1 thread.rb
  2 fiber.so
  3 rational.so
  4 complex.so
  5 ruby2_keywords.rb
  6 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/x86_64-linux/enc/encdb.so
  7 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/x86_64-linux/enc/trans/transdb.so
  8 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/x86_64-linux/rbconfig.rb
  9 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/compatibility.rb
 10 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/defaults.rb
 11 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/deprecate.rb
 12 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/errors.rb
 13 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/unknown_command_spell_checker
.rb
 14 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/exceptions.rb
 15 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/basic_specification.rb
 16 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/stub_specification.rb
 17 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/platform.rb
 18 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/util/list.rb
 19 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/version.rb
 20 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/requirement.rb
 21 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/specification.rb
 22 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/util.rb
 23 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems/core_ext/kernel_gem.rb
 24 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/x86_64-linux/monitor.so
 25 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/monitor.rb
 26 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/rubygems.rb
 27 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/error_highlight/version.rb
 28 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/error_highlight/base.rb
 29 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/error_highlight/formatter.rb
 30 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/error_highlight/core_ext.rb
 31 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/error_highlight.rb
 32 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/version.rb
 33 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/core_ext/name_error.rb
 34 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/levenshtein.rb
 35 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/jaro_winkler.rb
 36 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/spell_checker.rb
 37 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/spell_checkers/name_error
_checkers/class_name_checker.rb
 38 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/spell_checkers/name_error
_checkers/variable_name_checker.rb
 39 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/spell_checkers/name_error
_checkers.rb
 40 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/spell_checkers/method_nam
e_checker.rb
 41 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/spell_checkers/key_error_
checker.rb
 42 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/spell_checkers/null_check
er.rb
 43 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/tree_spell_checker.rb
 44 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/spell_checkers/require_pa
th_checker.rb

```

```
45 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/spell_checkers/pattern_ke
y_name_checker.rb
46 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean/formatter.rb
47 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/did_you_mean.rb
48 /home/william/install/ruby-3_2_3-debug/lib/ruby/3.2.0/syntax_suggest/core_ext.rb
49 /home/william/swig/github/wsfulton/swig/Examples/test-suite/ruby/swig_assert.rb
```

* Process memory map:

```
57fa892aa000-57fa892d9000 r--p 00000000 103:06 30818930 /home/william/install/rub
y-3_2_3-debug/bin/ruby
57fa892d9000-57fa895c5000 r-xp 0002f000 103:06 30818930 /home/william/install/rub
y-3_2_3-debug/bin/ruby
57fa895c5000-57fa8974e000 r--p 0031b000 103:06 30818930 /home/william/install/rub
y-3_2_3-debug/bin/ruby
57fa8974e000-57fa89757000 r--p 004a4000 103:06 30818930 /home/william/install/rub
y-3_2_3-debug/bin/ruby
57fa89757000-57fa89758000 rw-p 004ad000 103:06 30818930 /home/william/install/rub
y-3_2_3-debug/bin/ruby
57fa89758000-57fa8976d000 rw-p 00000000 00:00 0
57fa94047000-57fa9435c000 rw-p 00000000 00:00 0 [heap]
7b2464200000-7b2464407000 r--s 00000000 103:04 407927 /usr/lib/x86_64-linux-gnu
/libc.so.6
7b2464600000-7b24650bb000 r--s 00000000 103:06 30818930 /home/william/install/rub
y-3_2_3-debug/bin/ruby
7b2465200000-7b246529d000 r--p 00000000 103:04 408519 /usr/lib/x86_64-linux-gnu
/libstdc++.so.6.0.33
7b246529d000-7b24653e5000 r-xp 0009d000 103:04 408519 /usr/lib/x86_64-linux-gnu
/libstdc++.so.6.0.33
7b24653e5000-7b246546c000 r--p 001e5000 103:04 408519 /usr/lib/x86_64-linux-gnu
/libstdc++.so.6.0.33
7b246546c000-7b2465477000 r--p 0026b000 103:04 408519 /usr/lib/x86_64-linux-gnu
/libstdc++.so.6.0.33
7b2465477000-7b246547a000 rw-p 00276000 103:04 408519 /usr/lib/x86_64-linux-gnu
/libstdc++.so.6.0.33
7b246547a000-7b246547e000 rw-p 00000000 00:00 0
7b24655b7000-7b24655b8000 ---p 00000000 00:00 0
7b24655b8000-7b2465659000 rw-p 00000000 00:00 0
7b2465659000-7b246565a000 ---p 00000000 00:00 0
7b246565a000-7b24656fb000 rw-p 00000000 00:00 0
7b24656fb000-7b24656fc000 ---p 00000000 00:00 0
7b24656fc000-7b246579d000 rw-p 00000000 00:00 0
7b246579d000-7b246579e000 ---p 00000000 00:00 0
7b246579e000-7b246583f000 rw-p 00000000 00:00 0
7b246583f000-7b2465840000 ---p 00000000 00:00 0
7b2465840000-7b24658e1000 rw-p 00000000 00:00 0
7b24658e1000-7b24658e2000 ---p 00000000 00:00 0
7b24658e2000-7b2465983000 rw-p 00000000 00:00 0
7b2465983000-7b2465984000 ---p 00000000 00:00 0
7b2465984000-7b2465a25000 rw-p 00000000 00:00 0
7b2465a25000-7b2465a26000 ---p 00000000 00:00 0
7b2465a26000-7b2465ac7000 rw-p 00000000 00:00 0
7b2465ac7000-7b2465ac8000 ---p 00000000 00:00 0
7b2465ac8000-7b2465b69000 rw-p 00000000 00:00 0
7b2465b69000-7b2465b6a000 ---p 00000000 00:00 0
7b2465b6a000-7b2465c0b000 rw-p 00000000 00:00 0
7b2465c0b000-7b2465c0c000 ---p 00000000 00:00 0
7b2465c0c000-7b2465cad000 rw-p 00000000 00:00 0
7b2465cad000-7b2465cae000 ---p 00000000 00:00 0
7b2465cae000-7b2465d4f000 rw-p 00000000 00:00 0
7b2465d4f000-7b2465d50000 ---p 00000000 00:00 0
7b2465d50000-7b2465df1000 rw-p 00000000 00:00 0
7b2465df1000-7b2465df2000 ---p 00000000 00:00 0
7b2465df2000-7b2465e93000 rw-p 00000000 00:00 0
7b2465e93000-7b2465e94000 ---p 00000000 00:00 0
7b2465e94000-7b2465f35000 rw-p 00000000 00:00 0
7b2465f35000-7b2465f36000 ---p 00000000 00:00 0
```

7b2465f36000-7b2465fd7000	rw-p	00000000	00:00	0	
7b2465fd7000-7b2465fd8000	---p	00000000	00:00	0	
7b2465fd8000-7b2466079000	rw-p	00000000	00:00	0	
7b2466079000-7b246607a000	---p	00000000	00:00	0	
7b246607a000-7b246611b000	rw-p	00000000	00:00	0	
7b246611b000-7b246611c000	---p	00000000	00:00	0	
7b246611c000-7b24661bd000	rw-p	00000000	00:00	0	
7b24661bd000-7b24661be000	---p	00000000	00:00	0	
7b24661be000-7b246625f000	rw-p	00000000	00:00	0	
7b246625f000-7b2466260000	---p	00000000	00:00	0	
7b2466260000-7b2466301000	rw-p	00000000	00:00	0	
7b2466301000-7b2466302000	---p	00000000	00:00	0	
7b2466302000-7b24663a3000	rw-p	00000000	00:00	0	
7b24663a3000-7b24663a4000	---p	00000000	00:00	0	
7b24663a4000-7b2466445000	rw-p	00000000	00:00	0	
7b2466445000-7b2466446000	---p	00000000	00:00	0	
7b2466446000-7b24664e7000	rw-p	00000000	00:00	0	
7b24664e7000-7b24664e8000	---p	00000000	00:00	0	
7b24664e8000-7b2466589000	rw-p	00000000	00:00	0	
7b2466589000-7b246658a000	---p	00000000	00:00	0	
7b246658a000-7b246662b000	rw-p	00000000	00:00	0	
7b246662b000-7b246662c000	---p	00000000	00:00	0	
7b246662c000-7b24666cd000	rw-p	00000000	00:00	0	
7b24666cd000-7b24666ce000	---p	00000000	00:00	0	
7b24666ce000-7b246676f000	rw-p	00000000	00:00	0	
7b246676f000-7b2466770000	---p	00000000	00:00	0	
7b2466770000-7b2466811000	rw-p	00000000	00:00	0	
7b2466811000-7b2466812000	---p	00000000	00:00	0	
7b2466812000-7b24668b3000	rw-p	00000000	00:00	0	
7b24668b3000-7b24668b4000	---p	00000000	00:00	0	
7b24668b4000-7b2466955000	rw-p	00000000	00:00	0	
7b2466955000-7b2466956000	---p	00000000	00:00	0	
7b2466956000-7b24669f7000	rw-p	00000000	00:00	0	
7b24669f7000-7b2469a00000	rw-p	00000000	00:00	0	
7b2469a12000-7b2469a16000	r--p	00000000	103:04	408078	/usr/lib/x86_64-linux-gnu
/libgcc_s.so.1					
7b2469a16000-7b2469a3a000	r-xp	00004000	103:04	408078	/usr/lib/x86_64-linux-gnu
/libgcc_s.so.1					
7b2469a3a000-7b2469a3e000	r--p	00028000	103:04	408078	/usr/lib/x86_64-linux-gnu
/libgcc_s.so.1					
7b2469a3e000-7b2469a3f000	r--p	0002b000	103:04	408078	/usr/lib/x86_64-linux-gnu
/libgcc_s.so.1					
7b2469a3f000-7b2469a40000	rw-p	0002c000	103:04	408078	/usr/lib/x86_64-linux-gnu
/libgcc_s.so.1					
7b2469a40000-7b2469a70000	rw-p	00000000	00:00	0	
7b2469aa0000-7b2469b80000	rw-p	00000000	00:00	0	
7b2469b8f000-7b2469c00000	rw-p	00000000	00:00	0	
7b2469c00000-7b246a9ec000	r--p	00000000	103:04	398501	/usr/lib/locale/locale-ar
chive					
7b246aa00000-7b246aa28000	r--p	00000000	103:04	407927	/usr/lib/x86_64-linux-gnu
/libc.so.6					
7b246aa28000-7b246abb0000	r-xp	00028000	103:04	407927	/usr/lib/x86_64-linux-gnu
/libc.so.6					
7b246abb0000-7b246abff000	r--p	001b0000	103:04	407927	/usr/lib/x86_64-linux-gnu
/libc.so.6					
7b246abff000-7b246ac03000	r--p	001fe000	103:04	407927	/usr/lib/x86_64-linux-gnu
/libc.so.6					
7b246ac03000-7b246ac05000	rw-p	00202000	103:04	407927	/usr/lib/x86_64-linux-gnu
/libc.so.6					
7b246ac05000-7b246ac12000	rw-p	00000000	00:00	0	
7b246ac26000-7b246ac28000	r--p	00000000	103:06	5909120	/home/william/swig/github
/wsfulton/swig/Examples/test-suite/ruby/import_fragments.so					
7b246ac28000-7b246ac2c000	r-xp	00002000	103:06	5909120	/home/william/swig/github
/wsfulton/swig/Examples/test-suite/ruby/import_fragments.so					
7b246ac2c000-7b246ac2e000	r--p	00006000	103:06	5909120	/home/william/swig/github
/wsfulton/swig/Examples/test-suite/ruby/import_fragments.so					
7b246ac2e000-7b246ac2f000	r--p	00007000	103:06	5909120	/home/william/swig/github

[illegible]

```

y-3_2_3-debug/lib/ruby/3.2.0/x86_64-linux/enc/encdb.so
7b246af62000-7b246af64000 r-xp 00001000 103:06 30818979 /home/william/install/rub
y-3_2_3-debug/lib/ruby/3.2.0/x86_64-linux/enc/encdb.so
7b246af64000-7b246af65000 r--p 00003000 103:06 30818979 /home/william/install/rub
y-3_2_3-debug/lib/ruby/3.2.0/x86_64-linux/enc/encdb.so
7b246af65000-7b246af66000 r--p 00003000 103:06 30818979 /home/william/install/rub
y-3_2_3-debug/lib/ruby/3.2.0/x86_64-linux/enc/encdb.so
7b246af66000-7b246af67000 rw-p 00004000 103:06 30818979 /home/william/install/rub
y-3_2_3-debug/lib/ruby/3.2.0/x86_64-linux/enc/encdb.so
7b246af67000-7b246af6e000 r--s 00000000 103:04 409682 /usr/lib/x86_64-linux-gnu
/gconv/gconv-modules.cache
7b246af6e000-7b246af70000 rw-p 00000000 00:00 0
7b246af70000-7b246af74000 r--p 00000000 00:00 0 [vvar]
7b246af74000-7b246af76000 r-xp 00000000 00:00 0 [vdso]
7b246af76000-7b246af77000 r--p 00000000 103:04 407739 /usr/lib/x86_64-linux-gnu
/ld-linux-x86-64.so.2
7b246af77000-7b246afa2000 r-xp 00001000 103:04 407739 /usr/lib/x86_64-linux-gnu
/ld-linux-x86-64.so.2
7b246afa2000-7b246afac000 r--p 0002c000 103:04 407739 /usr/lib/x86_64-linux-gnu
/ld-linux-x86-64.so.2
7b246afac000-7b246afae000 r--p 00036000 103:04 407739 /usr/lib/x86_64-linux-gnu
/ld-linux-x86-64.so.2
7b246afae000-7b246afb0000 rw-p 00038000 103:04 407739 /usr/lib/x86_64-linux-gnu
/ld-linux-x86-64.so.2
7ffdcf987000-7ffdd0186000 rw-p 00000000 00:00 0 [stack]
ffffffffffff600000-ffffffffffff601000 --xp 00000000 00:00 0 [vsyscall]

```

Aborted (core dumped)

make: *** [Makefile:82: import_fragments.cpptest] Error 134

1. Using attached tarball
 - 2a. tar -xf ruby-crash.tar.bz2
 - 2b. cd ruby-crash
 - 2c. Adjust RUBY_ROOT in Makefile to your Ruby installation
 - 2c. make

History

#1 - 04/20/2025 10:13 PM - wsfulton (William Fulton)

- File ruby-crash-valgrind.txt added

- Description updated

I've attached a valgrind report which shows a few problems when running:

```

env LD_LIBRARY_PATH=. valgrind --tool=memcheck --trace-children=yes --track-origins=yes --log-file=./ruby-crash-valgrind.txt
/home/william/install/ruby-3_2_3-debug/bin/ruby -I:. ./import_fragments_runme.rb

```

#2 - 04/20/2025 11:26 PM - byroot (Jean Boussier)

- Description updated

#3 - 04/22/2025 12:15 AM - hsbt (Hiroshi SHIBATA)

Can you confirm to reproduce this with the current master branch?

#4 - 04/22/2025 08:10 AM - wsfulton (William Fulton)

master as of 22 April 2025 (888820c581065c7d5cbcd4a137af1e66a708979c) is okay and does NOT have the bug.

Another observation is that we observed the bug in 3.1.5 but it was okay in 3.1.4 and earlier. I've just checked latest 3.1.x:

ruby 3.1.7p261 (2025-03-26 revision 0a3704f218) [x86_64-linux]

which also fails, but slightly differently with:

```

<internal:/home/runner/.rvm/rubies/ruby-3.1.7/lib/ruby/3.1.0/rubygems/core_ext/kernel_require.rb>:153:in `require': machine stack overflow in critical region (fatal)

```

#5 - 04/22/2025 08:48 AM - hsb (Hiroshi SHIBATA)

- Status changed from Open to Closed

Thanks for your confirmation.

Unfortunately, Ruby 3.2 is already security maintenance status. It means I will not backport commit for bugfix. I recommend to use Ruby 3.3 or 3.4.

Files

ruby-crash.tar.bz2	21 KB	04/20/2025	wsfulton (William Fulton)
ruby-crash-valgrind.txt	6.59 KB	04/20/2025	wsfulton (William Fulton)