

## Ruby - Bug #17864

### [BUG] try to mark T\_NONE object (in Ractors)

05/14/2021 07:33 AM - NuriYuri (Youri Nouri)

|                        |                                                              |                                                           |
|------------------------|--------------------------------------------------------------|-----------------------------------------------------------|
| <b>Status:</b>         | Closed                                                       |                                                           |
| <b>Priority:</b>       | Normal                                                       |                                                           |
| <b>Assignee:</b>       |                                                              |                                                           |
| <b>Target version:</b> |                                                              |                                                           |
| <b>ruby -v:</b>        | ruby 3.0.0p0 (2020-12-25 revision 95aff21468) [i386-mingw32] | <b>Backport:</b> 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN |

#### Description

Hello,  
I tried to make an experiment with Ractors, computing SHA1 using Ractors (I was hopping to divide the computation time because SHA1 hashing does not release GVL and I'm running a "GUI" that has time constraint).  
When I test with StringIO everything works fine, I can compute 400 StringIO that are like 100MB without issues. But when I use files (what I need to do in real environment) I face a internal bug (that doesn't not spawn in all attempt, it's very random).

And here's all the information about the bug:

ruby -v = ruby 3.0.0p0 (2020-12-25 revision 95aff21468) [i386-mingw32]

Error log:

```
<OBJ_INFO:gc_mark_ptr@../ruby-3.0.0/gc.c:6106> 0x053fbf68 [0 M ] T_NONE
D:/nuriy/persoWork/game_launcher/src/IODigester.rb:105: [BUG] try to mark T_NONE object
ruby 3.0.0p0 (2020-12-25 revision 95aff21468) [i386-mingw32]

-- Control frame information -----
c:0003 p:---- s:0017 e:000016 CFUNC :read
c:0002 p:0056 s:0012 e:000011 BLOCK D:/nuriy/persoWork/game_launcher/src/IODigester.rb:105 [FINISH]
c:0001 p:---- s:0003 e:000002 (none) [FINISH]

-- Ruby level backtrace information -----
D:/nuriy/persoWork/game_launcher/src/IODigester.rb:105:in `block in make_ractor'
D:/nuriy/persoWork/game_launcher/src/IODigester.rb:105:in `read'

-- C level backtrace information -----
C:\WINDOWS\SYSTEM32\ntdll.dll (ZwWaitForSingleObject+0xc) [0x775729ac]
C:\WINDOWS\System32\KERNELBASE.dll (WaitForSingleObject+0x12) [0x767d0452]
D:\nuriy\persoWork\game_launcher\msvcrt-ruby300.dll (rb_vm_bugreport+0x669) [0x68134f29]
D:\nuriy\persoWork\game_launcher\msvcrt-ruby300.dll (rb_source_location+0x53) [0x68118d83]
C:\WINDOWS\System32\KERNELBASE.dll (CreateEventA+0x24) [0x767e1914]
D:\nuriy\persoWork\game_launcher\msvcrt-ruby300.dll (rb_vm_proc_local_ep+0xd81) [0x680d8741]
C:\WINDOWS\SYSTEM32\ntdll.dll (RtlGetAppContainerNamedObjectPath+0x11e) [0x77567a4e]

-- Other runtime information -----

* Loaded script: src/IODigester.ytest copy.rb

* Loaded features:

 0 enumerator.so
 1 thread.rb
 2 rational.so
 3 complex.so
 4 ruby2_keywords.rb
 5 D:/nuriy/persoWork/game_launcher/lib/ruby/3.0.0/i386-mingw32/enc/encdb.so
 6 D:/nuriy/persoWork/game_launcher/lib/ruby/3.0.0/i386-mingw32/enc/trans/transdb.so
 7 D:/nuriy/persoWork/game_launcher/lib/ruby/3.0.0/i386-mingw32/rbconfig.rb
 8 D:/nuriy/persoWork/game_launcher/lib/ruby/3.0.0/rubygems/compatibility.rb
 9 D:/nuriy/persoWork/game_launcher/lib/ruby/3.0.0/rubygems/defaults.rb
10 D:/nuriy/persoWork/game_launcher/lib/ruby/3.0.0/rubygems/deprecate.rb
11 D:/nuriy/persoWork/game_launcher/lib/ruby/3.0.0/rubygems/errors.rb
```

12 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/exceptions.rb  
13 D:/nuriy/persoWork/game\_launcher/lib/ruby/site\_ruby/3.0.0/ruby\_installer/runtime/singleton.r  
b  
14 D:/nuriy/persoWork/game\_launcher/lib/ruby/site\_ruby/3.0.0/ruby\_installer/runtime.rb  
15 D:/nuriy/persoWork/game\_launcher/lib/ruby/site\_ruby/3.0.0/ruby\_installer/runtime/msys2\_insta  
llation.rb  
16 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/i386-mingw32/fiddle.so  
17 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/fiddle/closure.rb  
18 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/fiddle/function.rb  
19 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/fiddle/version.rb  
20 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/fiddle.rb  
21 D:/nuriy/persoWork/game\_launcher/lib/ruby/site\_ruby/3.0.0/ruby\_installer/runtime/dll\_directo  
ry.rb  
22 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/fiddle/value.rb  
23 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/fiddle/pack.rb  
24 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/fiddle/struct.rb  
25 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/fiddle/cparser.rb  
26 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/fiddle/import.rb  
27 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/i386-mingw32/enc/utf\_16le.so  
28 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/i386-mingw32/enc/trans/utf\_16\_32.so  
29 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/win32/registry.rb  
30 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/i386-mingw32/enc/trans/single\_byte.so  
31 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/defaults/operating\_system.rb  
32 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/basic\_specification.rb  
33 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/stub\_specification.rb  
34 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/text.rb  
35 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/user\_interaction.rb  
36 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/specification\_policy.rb  
37 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/util/list.rb  
38 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/platform.rb  
39 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/version.rb  
40 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/requirement.rb  
41 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/specification.rb  
42 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/util.rb  
43 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/dependency.rb  
44 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/core\_ext/kernel\_gem.rb  
45 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/i386-mingw32/monitor.so  
46 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/monitor.rb  
47 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/core\_ext/kernel\_require.rb  
48 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/core\_ext/kernel\_warn.rb  
49 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems.rb  
50 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/rubygems/path\_support.rb  
51 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/version.rb  
52 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/core\_ext/name\_error.rb  
53 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/levenshtein.rb  
54 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/jaro\_winkler.rb  
55 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/spell\_checker.rb  
56 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/spell\_checkers/name\_error\_check  
ers/class\_name\_checker.rb  
57 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/spell\_checkers/name\_error\_check  
ers/variable\_name\_checker.rb  
58 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/spell\_checkers/name\_error\_check  
ers.rb  
59 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/spell\_checkers/method\_name\_chec  
ker.rb  
60 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/spell\_checkers/key\_error\_checke  
r.rb  
61 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/spell\_checkers/null\_checker.rb  
62 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/tree\_spell\_checker.rb  
63 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/spell\_checkers/require\_path\_che  
cker.rb  
64 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean/formatters/plain\_formatter.rb  
65 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/did\_you\_mean.rb  
66 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/digest/src/IODigester.rb  
67 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/i386-mingw32/digest.so  
68 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/digest.rb  
69 D:/nuriy/persoWork/game\_launcher/lib/ruby/3.0.0/i386-mingw32/digest/sha1.so

Note: I noticed while writing the thread that my ruby version in this project was not updated, I tried with ruby 3.0.1p64 (2021-04-05 revision 0fb782ee38) [i386-mingw32] and I have nothing but ldk if that's luck or not. If someone can confirm that this bug is solved that would be nice because I really hope to use that in production even if Ractors are still experimental.

### Additional info

Here's the class I wrote to handle the SHA1 computation over ractors:

```
# Class responsive of digesting data (hashing) over several CPU core using Ractors
#
# How to use ?
# 1. First of all encapsulate all your data into IO object (File or StringIO)
# 2. Then create a new IODigester object by passing the Digest class you need and all the IO to
digest in a Hash
# 3. Call the start function to let the system instantiate everything
# * You can check the overall progress using #progress, it's a number between 0 & 1
# 4. If failed? respond true, you can grab the failure info using #failures (key = IO key, value
= StandardError object)
#
# @example Demo
# digester = IODigester.new(Digest::SHA1, { 'test' => io1, 'test2' => io2 })
# digester.start { |d| print format("\r%<progress>.2f%", progress: d.progress * 100) }
# digester.hashes # => { 'test' => '<SHA1 of test>', 'test2' => '<SHA1 of test2>' }
#
# @note IODigester requires the IO to respond to size and give accurate value for size (in bytes)!
class IODigester
  # Get the hashes
  # @return [Hash{ String => String }]
  attr_reader :hashes
  # Get the failures
  # @return [Hash{ String => StandardError }]
  attr_reader :failures

  # Create a new IODigester
  # @param klass [Class<Digest::Base>] digest class to use to digest data
  # @param ios [Hash{ String => IO }] io to digest (key can be symbol if you want)
  def initialize(klass, ios)
    @klass = klass
    @ios = ios.clone
    @progresses = @ios.keys.map { |k| [k, 0] }.to_h
    @hashes = {}
    @failures = {}
  end

  # Start the process
  # @return [self]
  # @yieldparam d [self] current digester
  def start(&block)
    raise 'Already started' if @ractors

    @ractors = @ios.map { |key, value| make_ractor(key, value) }
    process_ractors(block)
    return self
  end

  # Test if the process has failures
  # @return [Boolean]
  def failed?
    return !@failures.empty?
  end

  # Get the progress
  # @return [Float]
  def progress
    @progresses.reduce(0.0) { |prev, curr| prev + curr.last } / @progresses.size
  end
end
```

```

private

# Function that processes all the ractors (in a Thread in order to not lock the GVL)
# @param block [Proc]
def process_ractors(block)
  until @ractors.empty?
    begin
      ractor, object = Ractor.select(*@ractors)
      parse_ractor_response(ractor, object)
      block&.call(self)
    rescue Ractor::RemoteError => e
      @failures[e.ractor.name] = e.cause
      @ractors.delete(e.ractor)
    end
  end
end

# Function that analyzes the payload of the received object from Ractor.select
# @param ractor [Ractor] ractor object that we're talking about
# @param object [Array] response from the ractor
def parse_ractor_response(ractor, object)
  message, body = object
  case message
  when :progress
    @progresses[ractor.name] = body
  when :result
    @progresses[ractor.name] = 1
    @hashes[ractor.name] = body
    @ractors.delete(ractor)
  end
end

# Function that creates the ractor
# @param name [String] name of the io (hash key)
# @param io [IO] io to process
# @return [Ractor]
def make_ractor(name, io)
  ractor = Ractor.new(@klass, io, name: name) do |digest_klass, io_to_process|
    close_incoming
    # @type [Integer]
    io_size = io_to_process.size
    io_read = 0
    # @type [Digest::Base]
    digest = digest_klass.new
    while io_size > io_read
      Ractor.yield [:progress, io_read.to_f / io_size]
      # @type [String]
      data = io_to_process.read(20_971_520)
      io_read += data.bytesize
      digest << data
    end
    Ractor.yield [:result, digest.hexdigest]
  end
  return ractor
end
end

```

Here's the script I use to try to reproduce the bug:

```

require_relative 'IODigester'
require 'digest'

ios = (
  Dir['D:/nuriy/Work/pokemonsdk/Release/Data/*'] +
  Dir['D:/nuriy/Work/pokemonsdk/Release/pokemonsdk/**/*']
).reject { |f| File.directory?(f) }.map { |f| [f, File.new(f, 'rb')] }.to_h
digester = IODigester.new(Digest::SHA1, ios)

```

```
digester.start { |d| print format("\r%<progress>.2f%%", progress: d.progress * 100) }  
p digester.hashes
```

(I'm not closing the files because I don't actually care in that test since the bug appears in "start")

Here's the files in case you need it: <https://www.mediafire.com/file/wt0eqzthxpb1nc8/Release.7z/file> (it's over 2MB)

## History

### #1 - 05/14/2021 07:46 AM - NuriYuri (Youri Nouri)

- ruby -v set to ruby 3.0.0p0 (2020-12-25 revision 95aff21468) [i386-mingw32]

### #2 - 05/14/2021 10:55 AM - xtkoba (Tee KOBAYASHI)

Yeah, I believe this has already been fixed (or at least the probability of segfault has been made much lower).

### #3 - 05/14/2021 11:49 AM - NuriYuri (Youri Nouri)

I've run this ruby -e"200.times { system('ruby src/IODigester.ytest\_copy.rb') }" to check the probability, 88% success rate with ruby 3.0.1p64. I guess I'll wait before playing with Ractors like this.

### #4 - 05/18/2021 03:51 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Feedback

NuriYuri (Youri Nouri) wrote in [#note-3](#):

I've run this ruby -e"200.times { system('ruby src/IODigester.ytest\_copy.rb') }" to check the probability, 88% success rate with ruby 3.0.1p64. I guess I'll wait before playing with Ractors like this.

Can you test with the master branch and see if you can reproduce this?

### #5 - 05/21/2021 06:58 AM - NuriYuri (Youri Nouri)

Hi, I tried to build Ruby with last version of master. I got this result during build (with nmake):

```
<OBJ_INFO:gc_mark_ptr@gc.c:6576> 0x0099df40 [2 M ] T_NONE  
./tool/generic_erb.rb:7: [BUG] try to mark T_NONE object  
ruby 3.1.0dev (2021-05-21T04:42:24Z master 0ee24b4fab) [i386-mswin32_140]  
  
-- Control frame information -----  
c:0003 p:---- s:0023 e:000022 CFUNC :require  
c:0002 p:0011 s:0018 E:0012f0 EVAL ./tool/generic_erb.rb:7 [FINISH]  
c:0001 p:0000 s:0003 E:001eb0 (none) [FINISH]  
  
-- Ruby level backtrace information -----  
./tool/generic_erb.rb:7:in `<main>'  
./tool/generic_erb.rb:7:in `require'  
  
-- C level backtrace information -----  
C:\WINDOWS\SYSTEM32\ntdll.dll(NtWaitForSingleObject+0xc) [0x76F929DC]  
C:\WINDOWS\System32\KERNELBASE.dll(WaitForSingleObject+0x12) [0x75690452]  
D:\nuriy\Downloads\ruby\miniruby.exe(rb_print_backtrace+0x2f) [0x002F8C49] D:\nuriy\Downloads\ruby\vm_dump.c:778  
D:\nuriy\Downloads\ruby\miniruby.exe(rb_vm_bugreport+0xd1) [0x002F8D1C] D:\nuriy\Downloads\ruby\vm_dump.c:1044  
D:\nuriy\Downloads\ruby\miniruby.exe(rb_bug_without_die+0x43) [0x00220231] D:\nuriy\Downloads\ruby\error.c:777  
D:\nuriy\Downloads\ruby\miniruby.exe(rb_bug+0xf) [0x00220186] D:\nuriy\Downloads\ruby\error.c:785  
D:\nuriy\Downloads\ruby\miniruby.exe(gc_mark_ptr+0x7f) [0x0022CC35] D:\nuriy\Downloads\ruby\gc.c:6577  
D:\nuriy\Downloads\ruby\miniruby.exe(cc_table_mark_i+0x4f) [0x0022B0A8] D:\nuriy\Downloads\ruby\gc.c:2964  
D:\nuriy\Downloads\ruby\miniruby.exe(rb_id_table_foreach+0x46) [0x002CB392] D:\nuriy\Downloads\ruby\id_table.c:299  
D:\nuriy\Downloads\ruby\miniruby.exe(cc_table_mark+0x2f) [0x0022B054] D:\nuriy\Downloads\ruby\gc.c:2979  
D:\nuriy\Downloads\ruby\miniruby.exe(gc_mark_children+0x1cc) [0x0022C668] D:\nuriy\Downloads\ruby\gc.c:6797  
D:\nuriy\Downloads\ruby\miniruby.exe(rgengc_rememberset_mark+0xa5) [0x00233E21] D:\nuriy\Downloads\ruby\gc.c:8184  
D:\nuriy\Downloads\ruby\miniruby.exe(gc_marks_start+0xce) [0x0022D2F5] D:\nuriy\Downloads\ruby\gc.c:7744  
D:\nuriy\Downloads\ruby\miniruby.exe(gc_start+0x1d8) [0x0022E733] D:\nuriy\Downloads\ruby\gc.c:8854  
D:\nuriy\Downloads\ruby\miniruby.exe(heap_prepare+0x6d) [0x00230594] D:\nuriy\Downloads\ruby\gc.c:2148  
D:\nuriy\Downloads\ruby\miniruby.exe(newobj_slowpath_wb_protected+0x5b) [0x00230ED6] D:\nuriy\Downloads\ruby\gc.c:2537  
D:\nuriy\Downloads\ruby\miniruby.exe(newobj_of0+0x62) [0x00230E5F] D:\nuriy\Downloads\ruby\gc.c:2579  
D:\nuriy\Downloads\ruby\miniruby.exe(newobj_of+0x1a) [0x00230DE6] D:\nuriy\Downloads\ruby\gc.c:2591
```

```

D:\nuriy\Downloads\ruby\miniruby.exe(rb_wb_protected_newobj_of+0x1c) [0x00233AA3] D:\nuriy\Downloads\ruby\gc.c:2614
D:\nuriy\Downloads\ruby\miniruby.exe(str_new0+0x1d) [0x002C5CBA] D:\nuriy\Downloads\ruby\string.c:795
D:\nuriy\Downloads\ruby\miniruby.exe(str_new+0x13) [0x002C5C98] D:\nuriy\Downloads\ruby\string.c:814
D:\nuriy\Downloads\ruby\miniruby.exe(rb_str_new+0x14) [0x002C0BB2] D:\nuriy\Downloads\ruby\string.c:820
D:\nuriy\Downloads\ruby\miniruby.exe(rb_io_getline_fast+0x87) [0x00243F74] D:\nuriy\Downloads\ruby\io.c:3477
D:\nuriy\Downloads\ruby\miniruby.exe(rb_io_getline_0+0xee) [0x00243BF6] D:\nuriy\Downloads\ruby\io.c:3613
D:\nuriy\Downloads\ruby\miniruby.exe(rb_io_gets_internal+0x2c) [0x002440B0] D:\nuriy\Downloads\ruby\io.c:3743
D:\nuriy\Downloads\ruby\miniruby.exe(lex_io_gets+0xb) [0x002738EE] D:\nuriy\Downloads\ruby\parse.y:6381
D:\nuriy\Downloads\ruby\miniruby.exe(lex_getline+0xf) [0x002738A4] D:\nuriy\Downloads\ruby\parse.y:6332
D:\nuriy\Downloads\ruby\miniruby.exe(nextline+0x42) [0x002754C7] D:\nuriy\Downloads\ruby\parse.y:6499
D:\nuriy\Downloads\ruby\miniruby.exe(nextc+0x27) [0x00275456] D:\nuriy\Downloads\ruby\parse.y:6541
D:\nuriy\Downloads\ruby\miniruby.exe(parser_yylex+0x1b3) [0x00277C7F] D:\nuriy\Downloads\ruby\parse.y:9212
D:\nuriy\Downloads\ruby\miniruby.exe(ruby_yyparse+0x36f) [0x0027AFB7] D:\nuriy\Downloads\ruby\parse.c:6800
D:\nuriy\Downloads\ruby\miniruby.exe(yycompile0+0x78) [0x00281C66] D:\nuriy\Downloads\ruby\parse.y:6244
D:\nuriy\Downloads\ruby\miniruby.exe(rb_suppress_tracing+0xad) [0x002FAAA5] D:\nuriy\Downloads\ruby\vm_trace.c:436
D:\nuriy\Downloads\ruby\miniruby.exe(yycompile+0x58) [0x00281BD3] D:\nuriy\Downloads\ruby\parse.y:6292
D:\nuriy\Downloads\ruby\miniruby.exe(rb_parser_compile_file_path+0x37) [0x0027982F] D:\nuriy\Downloads\ruby\parse.y:6395
D:\nuriy\Downloads\ruby\miniruby.exe(load_file_internal+0x2ff) [0x002AD026] D:\nuriy\Downloads\ruby\ruby.c:2200
D:\nuriy\Downloads\ruby\miniruby.exe(rb_ensure+0x9d) [0x002235A6] D:\nuriy\Downloads\ruby\eval.c:1166
D:\nuriy\Downloads\ruby\miniruby.exe(load_file+0x38) [0x002ACD22] D:\nuriy\Downloads\ruby\ruby.c:2334
D:\nuriy\Downloads\ruby\miniruby.exe(rb_parser_load_file+0x2d) [0x002AEF7B] D:\nuriy\Downloads\ruby\ruby.c:2356
D:\nuriy\Downloads\ruby\miniruby.exe(load_iseq_eval+0x31) [0x0024CCC8] D:\nuriy\Downloads\ruby\load.c:588
D:\nuriy\Downloads\ruby\miniruby.exe(require_internal+0x175) [0x0024DD58] D:\nuriy\Downloads\ruby\load.c:1076
D:\nuriy\Downloads\ruby\miniruby.exe(rb_require_string+0x16) [0x0024DB21] D:\nuriy\Downloads\ruby\load.c:1142
D:\nuriy\Downloads\ruby\miniruby.exe(rb_f_require+0xb) [0x0024D37A] D:\nuriy\Downloads\ruby\load.c:838
D:\nuriy\Downloads\ruby\miniruby.exe(ractor_safe_call_cfunc_1+0xe) [0x002E972E] D:\nuriy\Downloads\ruby\vm_inshelper.c:2767
D:\nuriy\Downloads\ruby\miniruby.exe(vm_call_cfunc_with_frame+0xe2) [0x002EFC93] D:\nuriy\Downloads\ruby\vm_inshelper.c:2945
D:\nuriy\Downloads\ruby\miniruby.exe(vm_sendish+0x130) [0x002F66BE] D:\nuriy\Downloads\ruby\vm_inshelper.c:4516
D:\nuriy\Downloads\ruby\miniruby.exe(vm_exec_core+0xa8d) [0x002F2B07] D:\nuriy\Downloads\ruby\vm_exec.c:143
D:\nuriy\Downloads\ruby\miniruby.exe(rb_vm_exec+0xa8) [0x002ED27A] D:\nuriy\Downloads\ruby\vm.c:2173
D:\nuriy\Downloads\ruby\miniruby.exe(rb_iseq_eval_main+0x1c) [0x002EB30F] D:\nuriy\Downloads\ruby\vm.c:2417
D:\nuriy\Downloads\ruby\miniruby.exe(rb_ec_exec_node+0xb3) [0x002232A8] D:\nuriy\Downloads\ruby\eval.c:317
D:\nuriy\Downloads\ruby\miniruby.exe(ruby_run_node+0x3e) [0x00224987] D:\nuriy\Downloads\ruby\eval.c:375
D:\nuriy\Downloads\ruby\miniruby.exe(main+0x41) [0x001E1041] D:\nuriy\Downloads\ruby\main.c:47
D:\nuriy\Downloads\ruby\miniruby.exe(__scrt_common_main_seh+0xfa) [0x003077CE] d:\agent\_work\3\s\src\vc\tools\crt\vcstartup\src\startup\exe_common.inl:288
C:\WINDOWS\System32\KERNEL32.DLL(BaseThreadInitThunk+0x19) [0x75CBFA29]
C:\WINDOWS\SYSTEM32\ntdll.dll(RtlGetAppContainerNamedObjectPath+0x11e) [0x76F87A7E]

```

-- Other runtime information -----

\* Loaded script: ./tool/generic\_erb.rb

\* Loaded features:

```

0 enumerator.so
1 thread.rb
2 fiber.so
3 rational.so
4 complex.so
5 ruby2_keywords.rb
6 D:/nuriy/Downloads/ruby/lib/cgi/util.rb
7 D:/nuriy/Downloads/ruby/lib/erb/version.rb
8 D:/nuriy/Downloads/ruby/lib/erb.rb

```

NMAKE : fatal error U1077: 'D:\miniruby.exe' : code retour '0x3'

**#6 - 05/21/2021 09:02 AM - xtkoba (Tee KOBAYASHI)**

user:NuriYuri [#note-5](#) seems to be a distinct bug, as Ractor is not used during a build process (I believe). Can you create a separate ticket about that?

**#7 - 05/28/2021 07:57 PM - xtkoba (Tee KOBAYASHI)**

Now [#note-5](#) has a separate ticket: [#17923](#)

Back to the main issue, there are pre-built binaries of Ruby master (head) in the wild. You may want to use them if you fail to build yourself, although

they might not be the latest.

<https://github.com/MSP-Greg/ruby-loco>

<https://github.com/oneclick/rubyinstaller2/releases/tag/rubyinstaller-head>

**#8 - 05/29/2021 08:51 AM - NuriYuri (Youri Nouri)**

I didn't know those existed, thanks a lot.

I could test with: ruby 3.1.0dev (2021-04-28 master 8e2ac2140d) [i386-mingw32]

I ran my 200 times command twice and both had a success rate of 100%. I guess ruby 3.1.0dev solves the issue :)

We can probably close the ticket.

**#9 - 06/15/2021 05:57 PM - jeremyevans0 (Jeremy Evans)**

- *Status changed from Feedback to Closed*