

Ruby - Bug #13390

MinGW build test-all SEGV, issue in test framework or error recovery?

03/30/2017 08:38 PM - MSP-Greg (Greg L)

Status:	Closed	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:		
ruby -v:	ruby 2.5.0dev (2017-03-31 trunk 58222) [x64-mingw32]	Backport: 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN

Description

Today, while building trunk (64 bit MinGW), I had a 'no output' SEGV during test-all.

I think I've had this before, but I don't recall how recently, 32 or 64, etc.

The problem is in the following test:

File [test/ruby/test_keyword.rb](#), line 310

```
310 def test_required_keyword
311   feature7701 = '[ruby-core:514541] [Feature #7701] required keyword argument'
312   o = Object.new
313   assert_nothing_raised(SyntaxError, feature7701) do
314     eval("def o.foo(a:) a; end", nil, "xyzzzy")
315     eval("def o.bar(a:,**b) [a, b]; end")
316   end
317   assert_raise_with_message(ArgumentError, /missing keyword/, feature7701) {o.foo}
318   assert_raise_with_message(ArgumentError, /unknown keyword/, feature7701) {o.foo(a:0, b:1)}
319   begin
320     o.foo(a: 0, b: 1)
321   rescue => e
322     assert_equal('xyzzzy', e.backtrace_locations[0].path)
323   end
324   assert_equal(42, o.foo(a: 42), feature7701)
325   assert_equal([[:keyreq, :a]], o.method(:foo).parameters, feature7701)
326
327   bug8139 = '[ruby-core:536081] [Bug #8139] required keyword argument with rest hash'
328   assert_equal([42, {}], o.bar(a: 42), feature7701)
329   assert_equal([42, {c: feature7701}], o.bar(a: 42, c: feature7701), feature7701)
330   assert_equal([[:keyreq, :a], [:keyrest, :b]], o.method(:bar).parameters, feature7701)
331   assert_raise_with_message(ArgumentError, /missing keyword/, bug8139) {o.bar(c: bug8139)}
332   assert_raise_with_message(ArgumentError, /missing keyword/, bug8139) {o.bar}
333 end
```

Now, the part where it gets fun is that I originally thought the error was between lines 319-323. I moved out of the build framework, simplified it, and things seemed okay. All errors were raised, backtraces were correct, etc.

As I tested further, here's what I found:

1. If lines 317 & 318 are commented out, the 319-323 block runs as it should, or line 322 is 'correct'.
2. If lines 317 & 318 are **not** commented out, line 320 must be commented out for the method to finish.
3. Otherwise, a 'no output' SEGV...

History

#1 - 03/31/2017 01:48 AM - MSP-Greg (Greg L)

Just ran the test file fifty (50) times on ruby 2.5.0dev (2017-03-29 trunk 58201) [x64-mingw32], and it ran fine (no comments required). I'll try to build some intermediate svn's to narrow the issue to fewer commits.

#2 - 04/18/2017 08:41 PM - MSP-Greg (Greg L)

This patch is no longer needed as of builds around ruby 2.5.0dev (2017-04-17 trunk 58383) [x64-mingw32]. It may return when I get around to building 2.4 and 2.3 stable branches. Please close.

#3 - 05/19/2017 06:50 AM - naruse (Yui NARUSE)

- *Status changed from Open to Assigned*
- *Assignee set to nobu (Nobuyoshi Nakada)*

#4 - 05/19/2017 06:44 PM - MSP-Greg (Greg L)

As mentioned in [13542](#), I have not had a failure with this for a while, even when using -j3, which is when the issue typically occurred.

Please close, as I cannot.

#5 - 05/25/2017 09:15 AM - Eregon (Benoit Daloze)

- *Status changed from Assigned to Closed*

Closing per OP request