Ruby master - Bug #3302

segfault in 1.8.6 p398 in Ruby::DL

05/17/2010 02:45 AM - juuser (Jarmo Pertman)

Status:	Closed		
Priority:	Normal		
Assignee:			
Target version:			
ruby -v:		**Backport:**	2.5: UNKNOWN, 2.6: UNKNOWN

Description

=begin
I tried to call a simple method on Windows (XP 32bit, Win7 64bit - didn't matter)
machine and it seems that i will get a segmentation fault depending of
the Ruby version.

Here is the offending code (doc for EnumWindows is at
http://msdn.microsoft.com/en-us/library/ms633497(v=VS.85).aspx):

```
require 'dl/import'

module Testing

extend DL::Importable

dlload "user32.dll"

USER32 = DL.dlopen("user32")
EnumWindows = USER32['EnumWindows', 'IPL']

CALLBACK = DL.callback('ILL') do |curr_hwnd, p|
p curr_hwnd
0
end

module_function

def enumerate
EnumWindows.call(CALLBACK, 0)
end
end

Testing.enumerate
```

And when trying to run it with different Ruby 1.8.6 patchlevels, i see
the following output:

```
S:>ruby -v
ruby 1.8.6 (2007-09-24 patchlevel 111) [i386-mswin32]

S:>testing.rb
328312

S:>ruby -v
ruby 1.8.6 (2010-02-04 patchlevel 398) [i386-mingw32]

S:>testing.rb
393884
S:/testing.rb:20: [BUG] Segmentation fault
ruby 1.8.6 (2010-02-04) [i386-mingw32]
```

This application has requested the Runtime to terminate it in an unusual

way.
Please contact the application's support team for more information.

So, p398 gives me a segfault. On the other hand FFI example at
http://wiki.github.com/ffi/ffi/windows-examples works perfectly. Also using Win32::API works.

Jarmo
=end

History

#1 - 05/18/2010 01:41 AM - rogerdpack (Roger Pack)

=begin
Does this work with 1.9.x?
=end

#2 - 05/28/2010 01:39 PM - juuser (Jarmo Pertman)

=begin
I'm not sure since it seems that Ruby 1.9.1 has changed it's API for DL and this code won't run without modifications. If you can understand all of the changes to be needed, then let me know and I can try. I myself, didn't understand how to modify line EnumWindows = USER32['EnumWindows', 'IPL'] to make it work with 1.9.1 for example.

Jarmo
=end

#3 - 08/27/2019 04:25 PM - jeremyevans0 (Jeremy Evans)

- Backport set to 2.5: UNKNOWN, 2.6: UNKNOWN

- Status changed from Open to Closed

- Description updated

- Project changed from Backport186 to Ruby master

- Tracker changed from Backport to Bug