

Ruby - Bug #14686

Windows - uninitialized constant Fiddle::Function::STDCALL, test issue

04/13/2018 12:54 AM - MSP-Greg (Greg L)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.6.0dev (2018-04-12 trunk 63140) [x64-mingw32]	Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN

Description

While testing the test/ruby folder with frozen-string, I came across a few issues. More later...

I had the following failures in test_rubyoptions.rb, which were due to output on stderr:

```
3) Failure:
TestRubyOptions#test_frozen_string_literal_debug [E:/GitHub/ruby/test/ruby/test_rubyoptions.rb:986]:
[["--disable=gems", "--enable-frozen-string-literal", "--debug"], "+\"foo\\#{123}bar\" << \"bar\""]
.

1. [2/2] Assertion for "stderr"
| <[]> expected but was
| <["Exception `NameError' at C:/ruby26_64/lib/ruby/2.6.0/fiddle/import.rb:160 - uninitialized
constant Fiddle::Function::STDCALL"]>.

4) Failure:
TestRubyOptions#test_debug [E:/GitHub/ruby/test/ruby/test_rubyoptions.rb:83]:

1. [2/2] Assertion for "stderr"
| <[]> expected but was
| <["Exception `NameError' at C:/ruby26_64/lib/ruby/2.6.0/fiddle/import.rb:160 - uninitialized
constant Fiddle::Function::STDCALL"]>.
```

The code in questions is <https://github.com/ruby/ruby/blob/trunk/ext/fiddle/lib/fiddle/import.rb#L158-L164>, as follows:

```
CALL_TYPE_TO_ABI = Hash.new { |h, k|
  raise RuntimeError, "unsupported call type: #{k}"
}.merge({ :stdcall => (Function::STDCALL rescue Function::DEFAULT),
         :cdecl  => Function::DEFAULT,
         nil     => Function::DEFAULT
       }).freeze
private_constant :CALL_TYPE_TO_ABI
```

Changing it to the following removed failures:

```
CALL_TYPE_TO_ABI = Hash.new { |h, k|
  raise RuntimeError, "unsupported call type: #{k}"
}.merge({ :stdcall => defined?(Function::STDCALL) ? Function::STDCALL :
         Function::DEFAULT,
         :cdecl  => Function::DEFAULT,
         nil     => Function::DEFAULT
       }).freeze
private_constant :CALL_TYPE_TO_ABI
```

I haven't worked much with Fiddle, but I checked for the existence of STDCALL in the listed ruby-loco build, the 2.5.1 RubyInstaller2 build, and a recent local vc14 trunk build. It did not exist in any of the three builds. Hence, I don't know if this is a correct fix...

Patch attached. Thanks, Greg

Associated revisions

Revision eb02a846a446e87df079956354387d4a83704d50 - 04/19/2018 11:35 PM - nobu (Nobuyoshi Nakada)

fiddle/import.rb: suppress warning

- ext/fiddle/lib/fiddle/import.rb: suppress exception report when \$DEBUG is enabled. [ruby-core:86536] [Bug #14686]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@63205 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision eb02a846 - 04/19/2018 11:35 PM - nobu (Nobuyoshi Nakada)

fiddle/import.rb: suppress warning

- ext/fiddle/lib/fiddle/import.rb: suppress exception report when \$DEBUG is enabled. [ruby-core:86536] [Bug #14686]

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Revision 5a5c9a706c2578a17b95b4afb3c1baaa9e862166 - 04/19/2018 11:46 PM - nobu (Nobuyoshi Nakada)

fiddle/test_import.rb: fix warnings by rubygems

[Bug #14686]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@63206 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 5a5c9a70 - 04/19/2018 11:46 PM - nobu (Nobuyoshi Nakada)

fiddle/test_import.rb: fix warnings by rubygems

[Bug #14686]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@63206 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 04/13/2018 01:01 AM - MSP-Greg (Greg L)

- File fiddle_import.rb.patch added

Probably better to use Function.const_defined?(:STDCALL) than defined?(Function::STDCALL)

#2 - 04/19/2018 11:36 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset trunk|r63205.

fiddle/import.rb: suppress warning

- ext/fiddle/lib/fiddle/import.rb: suppress exception report when \$DEBUG is enabled. [ruby-core:86536] [Bug #14686]

Files

fiddle_import.rb.patch	666 Bytes	04/13/2018	MSP-Greg (Greg L)
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