Ruby master - Bug #6814
Test failures in test_win32ole_variant.rb
07/30/2012 11:57 PM - h.shirosaki (Hiroshi Shirosaki)

Status: Closed
Priority: Normal
Assignee: suke (Masaki Suketa)
Target version: 2.0.0
ruby -v: ruby 2.0.0dev (2012-07-30 trunk 36577) [x64-mswin64_100]

Description
Originally this was reported on RubyInstaller-list by dmajkic.
https://groups.google.com/d/msg/rubyinstaller/a4TS9XAsia0/NkZZOzG6n4wJ

Quote:
This one is about 3 failures I have in "test_win32ole_variant.rb". Those are:

test_s_array
test_conversion_str2num
test_conversion_ole_variant2ole_variant

After looking at the win32ole.c, I see that the default locale is LOCALE_SYSTEM_DEFAULT. That means that the locale is from the Windows, and is not affected by the console settings.

Since I am using "Serbian Latin", which sets comma as decimal separator (eg. 123456,78), all three tests fail simply because Windows API tries to convert string to number using wrong locale. String is in US locale, but conversion API uses system default.

Since WIN32OLE.locale= exists, setting it to 1033 (US English), solves all three tests as "pass". It looks like this:

```ruby
def test_conversion_str2num
WIN32OLE.locale = 1033 # set US-Eng locale - number with decimal point
obj = WIN32OLE::VARIANT.new("12.345", WIN32OLE::VARIANT::VT_R8)
assert_equal(12.345, obj.value)
end
```

I've created the following patch based on above analysis. It seems to work fine.
https://gist.github.com/3202976

Associated revisions
Revision 906b2110 - 08/06/2012 10:21 AM - suke (Masaki Suketa)

- test/win32ole/test_win32ole_variant.rb: setting WIN32OLE.locale to pass some assertion. Thanks to Hiroshi Shirosaki. [ruby-core:46873][Bug #6814]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@36641 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 36641 - 08/06/2012 10:21 AM - suke (Masaki Suketa)

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Revision 36641 - 08/06/2012 10:21 AM - suke (Masaki Suketa)

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Revision 4f4cab58 - 11/08/2012 05:52 AM - usa (Usaku NAKAMURA)
merge revision(s) 36641: [Backport #7295]
* test/win32ole/test_win32ole_variant.rb: setting WIN32OLE.locale to pass some assertion. Thanks to Hiroshi Shirosaki. [ruby-core:46873][Bug #6814]

History

#1 - 07/31/2012 10:46 AM - usa (Usaku NAKAMURA)
- Category set to test
- Status changed from Open to Assigned
- Assignee changed from luislavena (Luis Lavena) to suke (Masaki Suketa)
- Target version set to 2.0.0

#2 - 08/06/2012 07:21 PM - suke (Masaki Suketa)
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r36641.
Hiroshi, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- * test/win32ole/test_win32ole_variant.rb: setting WIN32OLE.locale to pass some assertion. Thanks to Hiroshi Shirosaki. [ruby-core:46873][Bug #6814]