Ruby master - Bug #6673
No longer able to run tests in parallel (-j2)
06/30/2012 08:15 AM - luislavena (Luis Lavena)

Status: Closed
Priority: Normal
Assignee: sorah (Sorah Fukumori)
Target version: 2.0.0
ruble -v: ruby 2.0.0dev [i386-mingw32] at r36254

Description
=begin
Hello,

Since a few revisions back, I'm no longer able to run tests in parallel, getting output like the following:

# Running tests:

from C:/Users/Worker/Code/ruby/ruby/lib/mkmf.rb:75:inblock in module:MakeMakefile'
from C:/Users/Worker/Code/ruby/ruby/lib/mkmf.rb:74:in each'
from C:/Users/Worker/Code/ruby/ruby/lib/mkmf.rb:74:inmodule:MakeMakefile'
from C:/Users/Worker/Code/ruby/ruby/lib/mkmf.rb:42:in <top (required)>
from C:/Users/Worker/Code/ruby/ruby/lib/rubygems/custom_require.rb:36:inrequire'
from C:/Users/Worker/Code/ruby/ruby/lib/rubygems/custom_require.rb:36:inrequire'
from C:/Users/Worker/Code/ruby/ruby/lib/rubygems/custom_require.rb:36:inrequire'
from C:/Users/Worker/Code/ruby/ruby/lib/rubygems/custom_require.rb:36:inrequire'
from C:/Users/Worker/Code/ruby/ruby/lib/rubygems/custom_require.rb:36:inrequire'
Some worker was crashed. It seems ruby interpreter's bug or, a bug of test/unit/parallel.rb. try again without -j option.

This was working previously, even on Windows (the platform I'm reporting right now)

Base Ruby is 1.9.3-p194 [i386-mingw32]
Target Ruby is ruby 2.0.0dev (2012-06-29) [i386-mingw32] at r36254
=end

Associated revisions
Revision 2301f983 - 09/25/2012 02:14 AM - nobu (Nobuyoshi Nakada)
test_gem_installer.rb: restore ARGV

  test/rubygems/test_gem_installer.rb (TestGemInstaller#test_install_creates_binstub_that_dont_trust_encoding): restore ARGV properly, non-ascii strings in different encodings are not equal. [ruby-core:45975] [Bug #6673]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@37032 b2dd03c8-39d4-4d8f-98f8-823fe69b080e

Revision 37032 - 09/25/2012 02:14 AM - nobu (Nobuyoshi Nakada)
test_gem_installer.rb: restore ARGV

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Revision d75e2ea2 - 10/25/2012 09:16 AM - usa (Usaku NAKAMURA)
merge revision(s) 37032:
test/gem_installer.rb: restore ARGV

* test/rubygems/test_gem_installer.rb

(TestGemInstaller#test_installCreatesBinstubThatDontTrustEncoding): restore ARGV properly, non-asci strings in different encodings are not equal. [ruby-core:45975] [Bug #6673]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@37324 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 07/14/2012 06:15 PM - sorah (Sorah Fukumori)
I can't reproduce this on OS X, is this still reproducible?

If you can still reproduce this on trunk, I'll prepare mingw environment on my Windows box.

#2 - 07/14/2012 06:15 PM - sorah (Sorah Fukumori)
- Status changed from Open to Feedback
- Assignee set to sorah (Sorah Fukumori)

#3 - 07/15/2012 12:43 AM - luislavena (Luis Lavena)
sorah (Shota Fukumori) wrote:

I can't reproduce this on OS X, is this still reproducible?

Yes, this still reproduces on trunk (r36393)

If you can still reproduce this on trunk, I'll prepare mingw environment on my Windows box.

Perhaps you can take a look to RubyChallengePack I prepared, which includes a base Ruby, binaries used by RubyInstaller, GCC + MSYS for building.

You only need Git and a clone of Ruby source.

Details here:

https://groups.google.com/d/topic/rubyinstaller/A92K_EYJX2A/discussion
One note about cloning: ensure Git autocrlf is false:

```
git config --global core.autocrlf false
```

So sed works properly with configure script (cloning with CRLF generates some issues).

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**#4 - 07/15/2012 10:59 PM - sorah (Sorah Fukumori)**

- Status changed from Feedback to Assigned

Thanks, I'll take a look for this, but it may take long time to start investigating. sorry!

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**#5 - 09/25/2012 07:58 AM - h.shirosaki (Hiroshi Shirosaki)**

```
=begin
I was able to reproduce this with mingw ruby,
ruby 2.0.0dev (2012-09-24 trunk 37025) [x64-mingw32]

If test_gem_installer.rb and test_err_in_callback.rb run in same process, this error seems to occur.

$ make test-all TESTS="-q -j2 drb rubygems/test_gem_installer.rb win32ole/test_err_in_callback.rb"
```

```
c:/Users/hiroshi/work/ruby/lib/mkmf.rb:80:inblock in module:Makefile'
c:/Users/hiroshi/work/ruby/lib/mkmf.rb:79:in each'
c:/Users/hiroshi/work/ruby/lib/mkmf.rb:79:in<module:Makefile'
c:/Users/hiroshi/work/ruby/lib/mkmf.rb:46:in <top (required)>
c:/Users/hiroshi/work/ruby/rubygems/custom_require.rb:36:in require'
c:/Users/hiroshi/work/ruby/rubygems/custom_require.rb:36:in require'
c:/Users/hiroshi/work/ruby/test/win32ole/test_err_in_callback.rb:11:in'
c:/Users/hiroshi/work/ruby/rubygems/custom_require.rb:36:in require'
c:/Users/hiroshi/work/ruby/rubygems/custom_require.rb:36:in require'
c:/Users/hiroshi/work/ruby/rubygems/custom_require.rb:36:in require'
c:/Users/hiroshi/work/ruby/test/Unit/parallel.rb:114:in run'
c:/Users/hiroshi/work/ruby/test/Unit/parallel.rb:181:in'
```

Some worker was crashed. It seems ruby interpreter's bug or, a bug of test/unit/parallel.rb. try again without -j option.

test_gem_installer.rb sets invalid encoding string to ARGV. To clear ARGV before running test is a possible fix.

```
diff --git a/lib/test/unit/parallel.rb b/lib/test/unit/parallel.rb
index 921c6b0..7546630 100644
--- a/lib/test/unit/parallel.rb
+++ b/lib/test/unit/parallel.rb
@@ -110,6 +110,7 @@ module Test
     ARGV.clear             begin               require $1             rescue LoadError =end

#6 - 09/25/2012 11:14 AM - nobu (Nobuyoshi Nakada)

- Status changed from Assigned to Closed
-
- % Done changed from 0 to 100

This issue was solved with changeset r37032.
Luis, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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```
test_gem_installer.rb: restore ARGV
```

- test/rubygems/test_gem_installer.rb (TestGemInstaller#test_install Creates binstub that dont trust encoding): restore ARGV properly, non-ascii strings in different encodings are not equal. [ruby-core:45975] [Bug #6673]