# Ruby master - Bug #6673

No longer able to run tests in parallel (-j2)

06/30/2012 08:15 AM - luislavena (Luis Lavena)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>sorah (Sorah Fukumori)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 2.0.0dev [i386-mingw32] at r36254</td>
</tr>
<tr>
<td>Backport:</td>
<td></td>
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</tbody>
</table>

**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:
[666/690] 116=test_utils 4824=test_err_in_callback
C:/Users/Worker/Code/ruby/ruby/lib/mkmf.rb:75:in split': invalid byte sequence in UTF-8 (ArgumentError)
from C:/Users/Worker/Code/ruby/ruby/lib/mkmf.rb:75:in `each'
from C:/Users/Worker/Code/ruby/ruby/lib/mkmf.rb:74:in `module:MakeMakefile'
from C:/Users/Worker/Code/ruby/ruby/lib/mkmf.rb:42:in `<top (required)>'
from C:/Users/Worker/Code/ruby/ruby/test/win32ole/test_err_in_callback.rb:114:in `run'
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-98ff-823fe69b080e

Revision 37032 - 09/25/2012 02:14 AM - nobu (Nobuyoshi Nakada)

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Revision d75e2ea2 - 10/25/2012 09:16 AM - usa (Usaku NAKAMURA)

merge revision(s) 37032:

- test/rubygems/test_gem_installer.rb

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

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Revision d75e2ea2 - 10/25/2012 09:16 AM - usa (Usaku NAKAMURA)

merge revision(s) 37032:

- test/rubygems/test_gem_installer.rb: restore ARGV

 | "test/rubygems/test_gem_installer.rb"

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

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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:

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

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

**#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!

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

```bash
$ 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:79:in block in module:Makefile'
c:/Users/hiroshi/work/ruby/lib/mkmf.rb:79:in each':
c:/Users/hiroshi/work/ruby/lib/mkmf.rb:46:in <top (required)>
c:/Users/hiroshi/work/ruby/lib/rubygems/custom_require.rb:36:in require'
c:/Users/hiroshi/work/ruby/lib/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/lib/rubygems/custom_require.rb:36:in require'
c:/Users/hiroshi/work/ruby/lib/rubygems/custom_require.rb:36:in require'
c:/Users/hiroshi/work/ruby/lib/test/unit/parallel.rb:114:in run'
c:/Users/hiroshi/work/ruby/lib/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
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.

test_gem_installer.rb: restore ARGV
```

```bash
• 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]
```

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