### Ruby master - Bug #7718

**test_ioctl_linux fails on PPC and PPC64**

01/21/2013 10:31 PM - vo.x (Vít Ondruch)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
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<td>Assignee:</td>
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<td>Target version:</td>
<td>2.0.0</td>
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<tr>
<td>ruby -v:</td>
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#### Description

```ruby
=end
test_ioctl_linux(TestIO) [/builddir/build/BUILD/ruby-2.0.0-dev (2013-01-16 trunk 38848) [powerpc-linux] and ruby 1.9.3p362 (2012-12-25 revision 38607) [powerpc64-linux]]
```

The above mentioned test case fails on PPC and PPC64. The test case was introduced in 33716. It fails with Ruby 2.0 and Ruby 1.9.3 as well.

```ruby
=end
```

#### Associated revisions

**Revision 0dddb4b3 - 01/25/2013 05:15 PM - kosaki (Motohiro KOSAKI)**

- test/ruby/test_io.rb (test_ioctl_linux): skip if a platform is not x86 because linux ioctl request number depend on cpu arch. At least, alpha, mips, sparc and ppc have a different number. [Bug #7718] [ruby-core:51544]

  git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@38941 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 38941 - 01/25/2013 05:15 PM - kosaki (Motohiro KOSAKI)**

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PPC is not supported platform. So, we need more detailed description why the issue was happen.

This is the strace output if that might help:

http://paste.fedoraproject.org/2488/

#include
main(){
   printf("%lx\n", RNDGETENTCNT);
}

And here is my testing IRB session:

# irb
irb(main):001:0> File.open("/dev/urandom")[f1]
irb(main):002:1> f1 = File.open("/dev/urandom")
irb(main):003:1> f1
irb(main):004:1> f1.ioctl(0x80045200, entropy_count)
irb(main):005:1> }
irb(main):006:1> Erno::EINVAL: Invalid argument - /dev/urandom
       from (irb):4:in ioctl'
       from (irb):4:inblock in irb_binding'
       from (irb):1:in open'
       from (irb):1
       from /usr/bin/irb:12:in'
irb(main):007:0> File.open("/dev/urandom")[f1]
irb(main):008:1> f1
irb(main):009:1> f1.ioctl(0x40045200, entropy_count)
irb(main):009:1> }
=> 0
irb(main):010:0>

And similar script run with strace: http://paste.fedoraproject.org/2489/

Please run following program. I guess alpha, mips, sparc and ppc have different RNDGETENTCNT number against x86.
- Status changed from Feedback to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r38941.
Vit, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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