

## Ruby - Bug #13877

### BUG Unnormalized Fixnum value

09/07/2017 12:27 AM - ahorek (Pavel Rosický)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------|
| <b>Status:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Closed |                                                     |
| <b>Priority:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Normal |                                                     |
| <b>Assignee:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                                                     |
| <b>Target version:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |                                                     |
| <b>ruby -v:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        | <b>Backport:</b> 2.2: UNKNOWN, 2.3: DONE, 2.4: DONE |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |                                                     |
| enviroment<br>Windows 10 15063.540 x64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |                                                     |
| how to simulate it                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |                                                     |
| <pre>require 'date' Date.today.hash</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                                     |
| reproducible on current trunk and ruby 2.4.1p111 (2017-03-22 revision 58053) [x64-mingw32]<br>can't reproduce on Linux                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |                                                     |
| <pre>C:/Ruby24-x64/lib/ruby/2.5.0/irb/inspector.rb:109: [BUG] Unnormalized Fixnum value 0xf8f6879f09632fb5 ruby 2.4.1p111 (2017-03-22 revision 58053) [x64-mingw32]  -- Control frame information ----- c:0020 p:---- s:0092 e:000091 CFUNC :to_s c:0019 p:0011 s:0088 e:000087 BLOCK C:/Ruby24-x64/lib/ruby/2.4.0/irb/inspector.rb:109 [FINISH] c:0018 p:0012 s:0084 e:000083 METHOD C:/Ruby24-x64/lib/ruby/2.4.0/irb/inspector.rb:102 c:0017 p:0013 s:0079 e:000078 METHOD C:/Ruby24-x64/lib/ruby/2.4.0/irb/context.rb:385 c:0016 p:0017 s:0075 e:000072 METHOD C:/Ruby24-x64/lib/ruby/2.4.0/irb.rb:665 c:0015 p:0039 s:0069 e:000068 BLOCK C:/Ruby24-x64/lib/ruby/2.4.0/irb.rb:494 c:0014 p:0041 s:0060 e:000059 METHOD C:/Ruby24-x64/lib/ruby/2.4.0/irb.rb:627 c:0013 p:0011 s:0054 e:000053 BLOCK C:/Ruby24-x64/lib/ruby/2.4.0/irb.rb:490 c:0012 p:0128 s:0049 e:000048 BLOCK C:/Ruby24-x64/lib/ruby/2.4.0/irb/ruby-lex.rb:246 [FINISH] c:0011 p:---- s:0045 e:000044 CFUNC :loop c:0010 p:0009 s:0041 e:000040 BLOCK C:/Ruby24-x64/lib/ruby/2.4.0/irb/ruby-lex.rb:232 [FINISH] c:0009 p:---- s:0038 e:000037 CFUNC :catch c:0008 p:0018 s:0033 e:000032 METHOD C:/Ruby24-x64/lib/ruby/2.4.0/irb/ruby-lex.rb:231 c:0007 p:0037 s:0029 E:0005d0 METHOD C:/Ruby24-x64/lib/ruby/2.4.0/irb.rb:489 c:0006 p:0008 s:0025 e:000024 BLOCK C:/Ruby24-x64/lib/ruby/2.4.0/irb.rb:430 [FINISH] c:0005 p:---- s:0022 e:000021 CFUNC :catch c:0004 p:0075 s:0017 E:001b18 METHOD C:/Ruby24-x64/lib/ruby/2.4.0/irb.rb:429 c:0003 p:0118 s:0012 e:000011 METHOD C:/Ruby24-x64/lib/ruby/2.4.0/irb.rb:385 c:0002 p:0030 s:0006 e:000005 EVAL c:/Ruby24-x64/bin/irb.cmd:19 [FINISH] c:0001 p:0000 s:0003 E:002400 (none) [FINISH]</pre> |        |                                                     |

#### Associated revisions

##### Revision 65b87de350e36eaba77ab2db30b5cfbaf19f61b0 - 09/07/2017 03:24 AM - nobu (Nobuyoshi Nakada)

ruby.h: unnormalized Fixnum value

- include/ruby/ruby.h (ST2FIX): fix unnormalized Fixnum value bug on mingw/mswin. [ruby-core:82687] [Bug #13877]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59765 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 65b87de3 - 09/07/2017 03:24 AM - nobu (Nobuyoshi Nakada)

ruby.h: unnormalized Fixnum value

- include/ruby/ruby.h (ST2FIX): fix unnormalized Fixnum value bug on mingw/mswin. [ruby-core:82687] [Bug #13877]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59765 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision cdf993100566b2a42ffb040f0f2b7a900fdc5ff7 - 09/10/2017 12:33 PM - nagachika (Tomoyuki Chikanaga)**

merge revision(s) 59765: [Backport #13877]

```
ruby.h: unnormalized Fixnum value
```

```
* include/ruby/ruby.h (ST2FIX): fix unnormalized Fixnum value bug
on mingw/mswin. [ruby-core:82687] [Bug #13877]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_4@59823 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision cdf99310 - 09/10/2017 12:33 PM - nagachika (Tomoyuki Chikanaga)**

merge revision(s) 59765: [Backport #13877]

```
ruby.h: unnormalized Fixnum value
```

```
* include/ruby/ruby.h (ST2FIX): fix unnormalized Fixnum value bug
on mingw/mswin. [ruby-core:82687] [Bug #13877]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_4@59823 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 95c9c1dc1596ef435a5f395fbd1016d9d221830a - 09/14/2017 04:16 AM - U.Nakamura**

- ext/bigdecimal/bigdecimal.c (BigDecimal\_hash): st\_index\_t may not be fixable on 64bit mswin/mingw.
- ext/date/date\_core.c (d\_lite\_hash): ditto.  
[Backport #13877]
- ext/openssl/openssl\_bn.c (openssl\_bn\_hash): ditto.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_3@59879 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 95c9c1dc - 09/14/2017 04:16 AM - U.Nakamura**

- ext/bigdecimal/bigdecimal.c (BigDecimal\_hash): st\_index\_t may not be fixable on 64bit mswin/mingw.
- ext/date/date\_core.c (d\_lite\_hash): ditto.  
[Backport #13877]
- ext/openssl/openssl\_bn.c (openssl\_bn\_hash): ditto.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_3@59879 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

## History

**#1 - 09/07/2017 03:24 AM - nobu (Nobuyoshi Nakada)**

- Status changed from Open to Closed

Applied in changeset trunk|r59765.

```
ruby.h: unnormalized Fixnum value
```

- include/ruby/ruby.h (ST2FIX): fix unnormalized Fixnum value bug on mingw/mswin. [\[ruby-core:82687\]](#) [Bug [#13877](#)]

**#2 - 09/07/2017 11:15 AM - nagachika (Tomoyuki Chikanaga)**

- Backport changed from 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN to 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: REQUIRED

**#3 - 09/10/2017 12:33 PM - nagachika (Tomoyuki Chikanaga)**

- Backport changed from 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: REQUIRED to 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: DONE

ruby\_2\_4 r59823 merged revision(s) 59765.

**#4 - 09/14/2017 04:17 AM - usa (Usaku NAKAMURA)**

- Backport changed from 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: DONE to 2.2: UNKNOWN, 2.3: DONE, 2.4: DONE