

Ruby - Bug #13112

io/console io.winsize=[rows,cols] throws TypeError: no implicit conversion of false into Integer

01/07/2017 06:19 AM - tompng (tomoya ishida)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.4.0p0 (2016-12-24 revision 57164) [x86_64-darwin16]	Backport: 2.2: DONTNEED, 2.3: DONE, 2.4: DONE
Description		
The doc says		
<pre>winsize = [rows, columns] Tries to set console size. The effect depends on the platform and the running environment. You must require 'io/console' to use this method. https://docs.ruby-lang.org/en/2.4.0/IO.html#method-i-winsize-3D</pre>		
but it doesn't work.		
<pre>require 'io/console' STDIN.winsize=[] #=> ArgumentError: wrong number of arguments (given 0, expected 2..4) STDIN.winsize=[24,80,1,2] #=> ok (args=4) STDIN.winsize=[24,80,nil,nil] #=> ok (args=4) STDIN.winsize=[24,80,1] #=> ok (args=3) STDIN.winsize=[24,80,nil] #=> ok (args=3) STDIN.winsize=[24,80] #=> args=2 unexpectedly throws TypeError: no implicit conversion of false into Integer OS: macOS Sierra 10.12.2 versions: ruby 2.4.0 -> TypeError ruby 2.3.1 -> TypeError ruby 2.0.0 -> ok // ext/io/console/console.c static VALUE console_set_winsize(VALUE io, VALUE size) { size = rb_Array(size); rb_check_arity(RARRAY_LENINT(size), 2, 4); sz = RARRAY_CONST_PTR(size); row = sz[0], col = sz[1], xpixel = sz[2], ypixel = sz[3]; ... #define SET(m) ws.ws_##m = NIL_P(m) ? 0 : (unsigned short)NUM2UINT(m) SET(row); SET(col); SET(xpixel); SET(ypixel); // is using xpixel(==sz[2]) and ypixel(==sz[3]) ok? (RARRAY_LENINT(size) might be less than 4) // maybe sz[3] is 0(object_id of false?) when RARRAY_LENINT(size) is 2</pre>		

Associated revisions

Revision 5b856ee1a620f965dad6eaa759cfc23e5d697d6 - 01/07/2017 10:52 PM - nobu (Nobuyoshi Nakada)

console.c: OOB access

- ext/io/console/console.c (console_set_winsize): fix out-of-bounds access. [ruby-core:79004] [Bug #13112]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@57280 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 5b856ee1 - 01/07/2017 10:52 PM - nobu (Nobuyoshi Nakada)

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Revision 00d2e368313627b183902090849d870ec9c11ee4 - 03/11/2017 02:59 PM - naruse (Yui NARUSE)

merge revision(s) 57280,57282: [Backport #13112]

```
console.c: OOB access
```

```
* ext/io/console/console.c (console_set_winsize): fix
  out-of-bounds access.  [ruby-core:79004] [Bug #13112]
console.c: unpaired size
```

```
* ext/io/console/console.c (console_set_winsize): reject unpaired
  pixel size.
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@57849 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 00d2e368 - 03/11/2017 02:59 PM - naruse (Yui NARUSE)

merge revision(s) 57280,57282: [Backport #13112]

```
console.c: OOB access
```

```
* ext/io/console/console.c (console_set_winsize): fix
  out-of-bounds access.  [ruby-core:79004] [Bug #13112]
console.c: unpaired size
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* ext/io/console/console.c (console_set_winsize): reject unpaired
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@57849 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision e0cb040a9b034cff481d7660dc59ce060777d6b1 - 03/27/2017 02:35 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 57280,57282: [Backport #13112]

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console.c: OOB access
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* ext/io/console/console.c (console_set_winsize): fix
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@58151 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision e0cb040a - 03/27/2017 02:35 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 57280,57282: [Backport #13112]

```
console.c: OOB access
```

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* ext/io/console/console.c (console_set_winsize): fix
  out-of-bounds access.  [ruby-core:79004] [Bug #13112]
console.c: unpaired size
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* ext/io/console/console.c (console_set_winsize): reject unpaired
  pixel size.
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@58151 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 5264f6d848f74309fdef606e0c043b053bee52ef - 03/27/2017 10:31 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 57289: [Backport #13112]

```
test_io_console.rb: fix of old CentOS5
```

```
* test/io/console/test_io_console.rb (test_winsize): on old CentOS5
```

```
window size seems unable to be set across a pty.
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@58189 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 5264f6d8 - 03/27/2017 10:31 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 57289: [Backport #13112]

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test_io_console.rb: fix of old CentOS5
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* test/io/console/test_io_console.rb (test_winsize): on old CentOS5
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@58189 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 01/07/2017 10:52 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset r57280.

console.c: OOB access

- ext/io/console/console.c (console_set_winsize): fix out-of-bounds access. [\[ruby-core:79004\]](#) [Bug [#13112](#)]

#2 - 01/07/2017 11:02 PM - nobu (Nobuyoshi Nakada)

- Description updated

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

#3 - 03/11/2017 02:59 PM - naruse (Yui NARUSE)

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

ruby_2_4 r57849 merged revision(s) 57280,57282.

#4 - 03/27/2017 02:35 PM - nagachika (Tomoyuki Chikanaga)

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

ruby_2_3 r58151 merged revision(s) 57280,57282.

#5 - 03/27/2017 10:28 PM - nagachika (Tomoyuki Chikanaga)

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

#6 - 03/27/2017 10:31 PM - nagachika (Tomoyuki Chikanaga)

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

ruby_2_3 r58189 merged revision(s) 57289.