

Backport193 - Backport #7379

Unexpected result of Kernel#gets on Windows 8

11/17/2012 05:49 PM - phasis68 (Heesob Park)

Status:	Closed
Priority:	Normal
Assignee:	usa (Usaku NAKAMURA)
Description	
<p>I found Kernel#gets returns invalid result for multi-byte string on Windows 8.</p> <pre>C:\Users\phasis>ruby -ve 'p gets' ruby 2.0.0dev (2012-11-17 trunk 37691) [i386-mswin32_110] [] "\xC7\x00\xB1\x00\n"</pre> <p>After some debugging, I noticed that the previous ReadFile bug on console was fixed on Windows 8. So the workaround code should be skipped on Windows 8.</p> <p>Here is a patch: cf. The OS version number of Windows 8 and Windows Server 2012 is 6.2.</p> <pre>diff --git a/win32.c b/win32.c.new index 3446728..5635058 100644 --- a/win32.c +++ b/win32.c.new @@ -5902,7 +5902,7 @@ rb_w32_read(int fd, void *buf, size_t size) } ret = 0; • isconsole = is_console(_osfhnd(fd)); • isconsole = is_console(_osfhnd(fd)) && !(osver.dwMajorVersion==6 && osver.dwMinorVersion==2); if (isconsole) { DWORD mode; GetConsoleMode((HANDLE)_osfhnd(fd), &mode);</pre>	

Associated revisions

Revision 0c3d9675 - 11/20/2012 03:07 AM - usa (Usaku NAKAMURA)

- win32/win32.c (rb_w32_read): Windows 8 fixed one of a bug of console API. based on the patch by Heesob Park at [ruby-core:49479] [Bug #7379]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@37743 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 37743 - 11/20/2012 03:07 AM - usa (Usaku NAKAMURA)

- win32/win32.c (rb_w32_read): Windows 8 fixed one of a bug of console API. based on the patch by Heesob Park at [ruby-core:49479] [Bug #7379]

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Revision dbe75ed4 - 04/02/2013 03:59 AM - usa (Usaku NAKAMURA)

merge revision(s) 37743: [Backport #7379]

```
* win32/win32.c (rb_w32_read): Windows 8 fixed one of a bug of console
API.
based on the patch by Heesob Park at [ruby-core:49479] [Bug #7379]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@40051 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 40051 - 04/02/2013 03:59 AM - usa (Usaku NAKAMURA)

merge revision(s) 37743: [Backport #7379]

```
* win32/win32.c (rb_w32_read): Windows 8 fixed one of a bug of console
API.
based on the patch by Heesob Park at [ruby-core:49479] [Bug #7379]
```

History

#1 - 11/17/2012 09:29 PM - luislavena (Luis Lavena)

- Category set to core
- Status changed from Open to Assigned
- Assignee set to usa (Usaku NAKAMURA)
- Target version set to 2.0.0

Hello Park,

I don't have Windows 8 right now to test, but is great to hear this got fixed (finally).

I'm assigning to Nakamura-san for approval.

Thank you.

#2 - 11/19/2012 05:36 PM - usa (Usaku NAKAMURA)

I don't have Win8, too.
But, I rely Park-san.

Haven't you be a committer yet, Park-san?

#3 - 11/19/2012 09:56 PM - phasis68 (Heesob Park)

Is there anybody who has Windows 8 among committers?

As I mentioned at <http://bugs.ruby-lang.org/issues/7352>,
I don't want to be a committer.

#4 - 11/20/2012 02:53 AM - luislavena (Luis Lavena)

On Mon, Nov 19, 2012 at 9:56 AM, phasis68 (Heesob Park)
phasis@gmail.com wrote:

Issue [#7379](#) has been updated by phasis68 (Heesob Park).

Is there anybody who has Windows 8 among committers?

I don't have Windows 8 final right now to test, but I do have a
previous version, which I'm setting up in a VM.

Will take a look later today.

As I mentioned at <http://bugs.ruby-lang.org/issues/7352>,
I don't want to be a committer.

Bug #7379: Unexpected result of Kernel#gets on Windows 8
<https://bugs.ruby-lang.org/issues/7379#change-33096>

Author: phasis68 (Heesob Park)
Status: Assigned
Priority: Normal
Assignee: usa (Usaku NAKAMURA)
Category: core
Target version: 2.0.0
ruby -v: ruby 2.0.0dev (2012-11-17 trunk 37691) [i386-mswin32_110]

I found Kernel#gets returns invalid result for multi-byte string on Windows 8.

```
C:\Users\phasis>ruby -ve 'p gets'  
ruby 2.0.0dev (2012-11-17 trunk 37691) [i386-mswin32_110]  
[]  
"\xC7\x00\xB1\x00\n"
```

After some debugging, I noticed that the previous ReadFile bug on console was fixed on Windows 8.
So the workaround code should be skipped on Windows 8.

Here is a patch:
cf. The OS version number of Windows 8 and Windows Server 2012 is 6.2.

```
diff --git a/win32.c b/win32.c.new  
index 3446728..5635058 100644  
--- a/win32.c  
+++ b/win32.c.new  
@@ -5902,7 +5902,7 @@ rb_w32_read(int fd, void *buf, size_t size)  
 }
```

```
ret = 0;
```

- isconsole = is_console(_osfhnd(fd));
- isconsole = is_console(_osfhnd(fd)) && !(osver.dwMajorVersion==6 && osver.dwMinorVersion==2); if (isconsole) { DWORD mode; GetConsoleMode((HANDLE)_osfhnd(fd), &mode);

```
--  
http://bugs.ruby-lang.org/
```

```
--  
Luis Lavena  
AREA 17
```

-
Perfection in design is achieved not when there is nothing more to add,
but rather when there is nothing more to take away.
Antoine de Saint-Exupéry

#5 - 11/20/2012 12:01 PM - usa (Usaku NAKAMURA)

The priority of Windows8 was not so high for me.
However, it seems that it is necessary to change the priority.
I did not expect that Microsoft corrected the bug of console API now :)

#6 - 11/20/2012 12:07 PM - usa (Usaku NAKAMURA)

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

This issue was solved with changeset r37743.
Heesob, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

-
- win32/win32.c (rb_w32_read): Windows 8 fixed one of a bug of console API. based on the patch by Heesob Park at [ruby-core:49479] [Bug #7379]

#7 - 03/11/2013 06:43 PM - usa (Usaku NAKAMURA)

- *Tracker changed from Bug to Backport*
- *Project changed from Ruby master to Backport193*
- *Category deleted (core)*
- *Status changed from Closed to Assigned*
- *Target version deleted (2.0.0)*

See [ruby-list:49247]

#8 - 04/02/2013 12:59 PM - usa (Usaku NAKAMURA)

- *Status changed from Assigned to Closed*

This issue was solved with changeset [r40051](#).
Heesob, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

merge revision(s) 37743: [Backport [#7379](#)]

```
* win32/win32.c (rb_w32_read): Windows 8 fixed one of a bug of console
API.
based on the patch by Heesob Park at [ruby-core:49479] [Bug #7379]
```