

## Backport200 - Backport #7996

### Non-existent code page on certain windows XP versions

03/02/2013 01:51 AM - mmeltner (Michael Meltner)

<b>Status:</b>	Closed
<b>Priority:</b>	Normal
<b>Assignee:</b>	nagachika (Tomoyuki Chikanaga)
<b>Description</b>	
Hello,	
I try to run ruby 2.0.0p0 on a machine having Windows XP embedded. This causes a core dump. I tracked to problem to "win32/file.c", convert_mb_to_wchar.	
Here the conversion is done from ascii 7 bit to wchar using MultiByteToWideChar. This function returns 0 (instead of the length) as this Windows XP embedded has no coding support for code page 20127(us ascii). So MultiByteToWideChar returns an error indicating failure.	
I changed the default coding page to 1252 as this is supported on all windows versions and this coding page should be identical with ascii 7 bit for the range 0x20-0x7f (or am I wrong here?)	
So I made this patch which works fine:	
<pre>diff -rupN ruby-2.0.0-p0/win32/file.c ruby-2.0.0-p0.new/win32/file.c --- ruby-2.0.0-p0/win32/file.c 2012-11-17 18:53:21 +0100 +++ ruby-2.0.0-p0.new/win32/file.c 2013-02-28 11:43:29 +0100 @@ -212,9 +212,10 @@ code_page(rb_encoding *enc) names_ary = rb_funcall(encoding, names, 0); }  • /* map US-ASCII and ASCII-8bit as code page 20127 (us-ascii) */ • /* map US-ASCII and ASCII-8bit as code page 1252 (us-ascii) */ • /* code page 20127 (us-ascii) is not available on older WinXP systems*/ if (enc == rb_usascii_encoding()    enc == rb_ascii8bit_encoding()) { • UINT code_page = 20127;  • UINT code_page = 1252; rb_hash_aset(rb_code_page, name_key, INT2FIX(code_page)); return code_page; }  • Michael</pre>	

#### Associated revisions

##### Revision b7d708c3 - 03/29/2013 07:00 PM - usa (Usaku NAKAMURA)

- win32/file.c (code\_page): use cp1252 instead of cp20127 as US-ASCII. fix [ruby-core:53079] [Bug #7996] reported and patched by mmeltner (Michael Meltner).

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@40003 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 40003 - 03/29/2013 07:00 PM - usa (Usaku NAKAMURA)

- win32/file.c (code\_page): use cp1252 instead of cp20127 as US-ASCII. fix [ruby-core:53079] [Bug #7996] reported and patched by mmeltner (Michael Meltner).

##### Revision 40003 - 03/29/2013 07:00 PM - usa (Usaku NAKAMURA)

- win32/file.c (code\_page): use cp1252 instead of cp20127 as US-ASCII. fix [ruby-core:53079] [Bug #7996] reported and patched by mmeltner (Michael Meltner).

#### Revision 40003 - 03/29/2013 07:00 PM - usa (Usaku NAKAMURA)

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#### Revision 5525ff19 - 04/14/2013 03:13 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 40003: [Backport #7996]

```
* win32/file.c (code_page): use cp1252 instead of cp20127 as US-ASCII.  
  fix [ruby-core:53079] [Bug #7996]  
  reported and patched by mmeltner (Michael Meltner).  
  reported by mitchellh (Mitchell Hashimoto).
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_0\_0@40293 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

#### Revision 40293 - 04/14/2013 03:13 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 40003: [Backport #7996]

```
* win32/file.c (code_page): use cp1252 instead of cp20127 as US-ASCII.  
  fix [ruby-core:53079] [Bug #7996]  
  reported and patched by mmeltner (Michael Meltner).  
  reported by mitchellh (Mitchell Hashimoto).
```

## History

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### #1 - 03/02/2013 02:03 AM - naruse (Yui NARUSE)

- Tracker changed from Backport to Bug
- Project changed from Backport200 to Ruby trunk
- Status changed from Open to Assigned
- Assignee set to usa (Usaku NAKAMURA)

### #2 - 03/30/2013 04:00 AM - usa (Usaku NAKAMURA)

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

This issue was solved with changeset r40003.  
Michael, thank you for reporting this issue.  
Your contribution to Ruby is greatly appreciated.  
May Ruby be with you.

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- win32/file.c (code\_page): use cp1252 instead of cp20127 as US-ASCII. fix [ruby-core:53079] [Bug #7996] reported and patched by mmeltner (Michael Meltner).

### #3 - 03/30/2013 10:02 PM - nagachika (Tomoyuki Chikanaga)

- Assignee changed from usa (Usaku NAKAMURA) to nagachika (Tomoyuki Chikanaga)
- Tracker changed from Bug to Backport
- Project changed from Ruby trunk to Backport200

- Status changed from Closed to Assigned

I think this is a regression of 2.0.0, because fixed lines are introduced at [r36811](#) (2012-08-24).

**#4 - 04/15/2013 12:13 AM - nagachika (Tomoyuki Chikanaga)**

- Status changed from Assigned to Closed

This issue was solved with changeset [r40293](#).  
Michael, thank you for reporting this issue.  
Your contribution to Ruby is greatly appreciated.  
May Ruby be with you.

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merge revision(s) 40003: [Backport [#7996](#)]

```
* win32/file.c (code_page): use cp1252 instead of cp20127 as US-ASCII.  
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