

Ruby master - Bug #7881

Windows require

02/19/2013 11:37 AM - 5.5 (5 5)

Status: Closed	
Priority: Normal	
Assignee: h.shirosaki (Hiroshi Shirosaki)	
Target version:	
ruby -v: ruby 1.9.3p385 (2013-02-06) [i386-mingw32]	Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN

```
Description
=begin
Windows require

Ruby 1.9.3 p374p385 p125 p286

(1) d:
(2) d:/a.rb
(3) d:/b.rb
(4) cd /
(5) ruby a.rb

a.rb

# encoding: utf-8
require "./b"

b.rb

# encoding: utf-8
puts "No problem."

cannot load such file -- ./b (LoadError)

• test
• a.rb CP932
• require "./b" require "./b".encode("CP932")
• gem require

=end
```

History

#1 - 02/22/2013 08:48 AM - ko1 (Koichi Sasada)

- Category set to core
- Assignee set to usa (Usaku NAKAMURA)

usa naruse usa

#2 - 02/25/2013 03:11 PM - usa (Usaku NAKAMURA)

- Status changed from Open to Assigned
- Assignee changed from usa (Usaku NAKAMURA) to h.shirosaki (Hiroshi Shirosaki)

Windows require

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#3 - 02/26/2013 10:19 AM - naruse (Yui NARUSE)

- Target version changed from 1.9.3 to 2.6

#4 - 02/27/2013 07:02 PM - h.shirosaki (Hiroshi Shirosaki)

```
=begin
Windows.expand_path(encoding)

osx.current_directory.path(encoding)Windows

$ cat test_expand_path.rb
# coding: sjis
p File.expand_path("./a")
p File.expand_path("./a").encoding
$ ruby -v test_expand_path.rb
ruby 2.1.0dev (2013-02-27 trunk 39526) [x86_64-darwin12.2.0]
"/Users/hiroshi/work/a"
#Encoding:Windows-31J
$ cd
$ ruby -v ../test_expand_path.rb
ruby 2.1.0dev (2013-02-27 trunk 39526) [x86_64-darwin12.2.0]
"/Users/hiroshi/work/./a"
#Encoding:UTF-8
=end
```

#5 - 02/27/2013 07:38 PM - usa (Usaku NAKAMURA)

```
=begin
Windows.locale.expand_path
1.9.3
2.0.0...
end
```

```
C:> type a.rb
# coding: utf-8
unless ".respond_to?("encoding")
class String
def encoding
"dummy"
end
end
end
path = File.expand_path("./a")
p [path, path.encoding]
```

```
C:> ruby187p371 -v a.rb
ruby 1.8.7 (2012-10-12 patchlevel 371) [i386-mswin32]
["C:/a", "dummy"]
```

```
C:> ruby193p0 -v a.rb
ruby 1.9.3p0 (2011-10-30 revision 33570) [x64-mswin64_100]
["C:/a", #Encoding:Windows-31J]
```

```
C:> ruby193p392 -v a.rb
ruby 1.9.3p392 (2013-02-22 revision 39386) [x64-mswin64_100]
["C:/a", #Encoding:UTF-8]
```

```
C:> ruby200p0 -v a.rb
ruby 2.0.0p0 (2013-02-24 revision 39474) [x64-mswin64_100]
["C:/a", #Encoding:UTF-8]
```

```
C:> cd
```

```
C:\> ruby187p371 -v a.rb
ruby 1.8.7 (2012-10-12 patchlevel 371) [i386-mswin32]
["C:/202/304/202/267/202/306/a", "dummy"]
```

```
C:\> ruby193p0 -v a.rb
ruby 1.9.3p0 (2011-10-30 revision 33570) [x64-mswin64_100]
```

["C:/a", #Encoding:Windows-31J]

C:\> ruby193p392 -v a.rb
ruby 1.9.3p392 (2013-02-22 revision 39386) [x64-mswin64_100]
["C:/u3066\u3059\u3068/a", #Encoding:UTF-8]

C:\> ruby200p0 -v a.rb
ruby 2.0.0p0 (2013-02-24 revision 39474) [x64-mswin64_100]
["C:/u3066\u3059\u3068/a", #Encoding:UTF-8]
=end

#6 - 02/27/2013 08:38 PM - h.shirosaki (Hiroshi Shirosaki)

usa (Usaku NAKAMURA) wrote:

Windows\locale\expand_path
1.9.3\unix\locale\windows\backport(2.0.0)

encoding file system encoding cp path_encoding file system encoding
<https://github.com/ruby/ruby/blob/trunk/win32/file.c#L584>

1.9.3
2.0.0...

C:\> ruby200p0 -v a.rb
ruby 2.0.0p0 (2013-02-24 revision 39474) [x64-mswin64_100]
["C:/u3066\u3059\u3068/a", #Encoding:UTF-8]

trunk\osx\encoding\Windows-31J

#7 - 02/28/2013 05:59 PM - usa (Usaku NAKAMURA)

()

In message "[ruby-dev:47123] [ruby-trunk - Bug #7881] Windows require" on Feb.27,2013 20:38:05, h.shirosaki@gmail.com wrote:

Windows\locale\expand_path
1.9.3\unix\locale\windows\backport(2.0.0)

encoding file system encoding cp path_encoding file system encoding
<https://github.com/ruby/ruby/blob/trunk/win32/file.c#L584>

1.9.3
2.0.0...

C:\> ruby200p0 -v a.rb
ruby 2.0.0p0 (2013-02-24 revision 39474) [x64-mswin64_100]
["C:/u3066\u3059\u3068/a", #Encoding:UTF-8]

trunk\osx\encoding\Windows-31J

2.0.0

--

U.Nakamura usa@garbagecollect.jp

#8 - 03/03/2013 10:49 PM - nagachika (Tomoyuki Chikanaga)

```
File.expand_path
```

#9 - 03/05/2013 02:54 PM - h.shirosaki (Hiroshi Shirosaki)

```
=begin
```

```
current directory  
Encoding::CompatibilityError
```

```
expand_path filesystem encoding.encode('filesystem')
```

```
# coding: euc-jp
```

```
expand = File.expand_path('')  
p [expand, expand.encoding]  
path = File.join(expand, '')  
p [path, path.encoding]
```

```
require "./b" require_relative "b"
```

```
=end
```

#10 - 12/25/2017 06:15 PM - naruse (Yui NARUSE)

- Target version deleted (2.6)

#11 - 08/08/2019 08:54 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Assigned to Closed

This appears to have been fixed between Ruby 2.4 and 2.5:

```
D:\> c:\Ruby24-x64\bin\ruby a.rb  
a.rb: No such file or directory @ realpath_rec - D:/??? (Errno::ENOENT)
```

```
D:\> c:\Ruby25-x64\bin\ruby a.rb  
No Problem.
```