

Ruby master - Bug #16391

Dir.pwd, Dir[] pathname case inconsistency

12/02/2019 06:33 PM - dbuck (Dave Buck)

Status: Closed	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: ruby 2.6.5p114 (2019-10-01 revision 67812) [x64-mingw32]	Backport: 2.5: UNKNOWN, 2.6: UNKNOWN
Description Directory globbing case sensitivity is os-dependent (https://ruby-doc.org/core-2.6.5/Dir.html , glob, "Case sensitivity depends on your system"); On Windows 10, directory globbing is case insensitive, and may return glob matches that do not match the case of the query. Unfortunately, File.fnmatch seems to be case sensitive, so this is not a workaround. Expected: If Dir.pwd => 'C:/users/dave/Documents' (lower case for users) then Dir[Dir.pwd+'*'] => ['C:/users/dave/Documents/...',...] (lower case for users), not ['C:/Users/dave/Documents/...',...] (upper case Users) Impact: Rails 6.0 Activeview implementation has an assumption that case in pwd will match that in glob	

Associated revisions

Revision fb11e608 - 12/04/2019 12:52 PM - nobu (Nobuyoshi Nakada)

[DOC] Added File::FNM_SYSCASE example [Bug #16391] [ci skip]

History

#1 - 12/04/2019 12:46 PM - nobu (Nobuyoshi Nakada)

- Description updated

Dir.pwd returns 'C:/Users/...', not 'C:/users/...' for me.

Unfortunately, File.fnmatch seems to be case sensitive, so this is not a workaround.

File::Constants has two constants for File.fnmatch

- FNM_CASEFOLD:
Makes File.fnmatch patterns case insensitive (but not Dir.glob patterns).
- FNM_SYSCASE:
System default case insensitiveness, equals to FNM_CASEFOLD or 0.

#2 - 12/04/2019 12:55 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset [gi1fb11e6089d995510977def038a21882bcffe](https://github.com/ruby/ruby/commit/gi1fb11e6089d995510977def038a21882bcffe).

[DOC] Added File::FNM_SYSCASE example [Bug #16391] [ci skip]

Files

dlbdirbug.rb

1.65 KB

12/02/2019

dbuck (Dave Buck)