Ruby - Bug #6608

File.join behavior

06/19/2012 08:02 PM - Eregon (Benoit Daloze)

Status:	Rejected	
Priority:	Normal	
Assignee:	usa (Usaku NAKAMURA)	
Target version:		
ruby -v:	ruby 1.9.2p290 (2011-07-09) [i386-mingw32]	Backport:
Description		
Hello,		
I would like to kno File::ALT_SEPAF		ed, and what should be its specification, especially on systems with
File.join('a', 'b') # And if a forward s	or joining if no separator is present: => "a/b" slash is present or two, it just acts the same: r File.join('a/', 'b') # => "a/b" # => "a/b"	
(These are expec	sted)	
separator is prese	ent: r File.join('a\', 'b') # => "a\b" # => "a\b"	OR), it seems it is kept only if it is on the right side or no other
And it seems the File.join('a//', '\b') File.join('a//', '//b') File.join('a//', 'b') #	# => "a\b" # => "a\//b"	loses all its separators, unless there are none on the right side.
I think conceptua I guess this is not But it also means Dir.glob(File.join(but	Ily File.join should remove all "" and replace the done for efficiency reasons. it might produce not natural behavior:	d accepts them only in some cases (Dir.glob). hem by "/", like File.expand_path does for example. <i>WS/</i>) # => ["C:WINDOWS/system"] # sounds like a bug, isn't it?
	Spec is a bit misleading in this regard: http://www.spec/blob/master/core/file/join	_spec.rb#L21-26

History

#1 - 06/30/2012 11:33 PM - Eregon (Benoit Daloze)

Could I get some feedback on this? Or should I go ahead and propose what I think is the right behavior as a feature?

#2 - 07/14/2012 05:52 PM - ko1 (Koichi Sasada)

- Assignee set to usa (Usaku NAKAMURA)

#3 - 07/14/2012 06:37 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned

#4 - 07/27/2012 05:13 PM - usa (Usaku NAKAMURA)

- Status changed from Assigned to Rejected

=begin These behavor is the spec of File.join.

(0) File.join never touchs any charcters in the parameters except boundary ones. (1) When a separator is passed, File.join respects it. cf. File.join('a\', 'b') #=> 'a\b' File.join('a', '\b') #=> 'a\b' (2) If not, File.join uses File::SEPARATOR cf. File.join('a', 'b') #=> 'a/b' (3) If both of left and right parameters have separators, File.join respects the right one. The reason is that we guess that the right one is reflecting the intention of the programmer more strongly. cf. dir = read_from_user_edited_config_file File.join(dir, '/file') #=> '..some dir../file' File.join(dir, '\file') #=> '..some_dir..\file' Of course, I strongly recommend that we should use File.expand_path in such case.

Your example of Dir.glob is a sad case. Please understand this as a defect of the specification of Dir.glob, not of File.join. =end

#5 - 07/27/2012 06:44 PM - Eregon (Benoit Daloze)

=begin

Thank you for the detailed explanation.

I see your point and the spec seems clear, I'll update RubySpec with this.

Indeed, the documentation of Dir.glob mentions:

\ :
Escapes the next metacharacter. Note that this means you cannot use
backslash in windows as part of a glob, i.e. Dir["c:\foo*"] will not work
use Dir["c:/foo*"] instead

=end