Ruby master - Bug #5859
incorrect return value of Pathname.realdirpath of Pathname objects created by Pathname.entries
01/08/2012 01:59 AM - tommylommykins (Thomas Green)

Status: Closed
Priority: Normal
Assignee:
Target version: 2.0.0
ruby -v: ruby 1.9.3p0 (2011-10-30 revision 33570) [x86_64-linux]

Description
It appears when calling realdirpath on a Pathname object returned by Pathname#entries, the returned value is always the current working directory of the ruby process, instead of the location of the file in the filesystem
This disagrees with the rdoc description of Pathname#realdirpath, which does state that realdirpath will return the absolute name of the file.

Tho following code demonstrates the issue:

mkdir /tmp/thing
touch /tmp/thing/a
cd ~
ruby-1.9.3-p0 -ve "require 'pathname'; puts Pathname.new('/tmp/thing').entries.sort[2].realdirpath"

This is the output from the ruby process:
ruby 1.9.3p0 (2011-10-30 revision 33570) [x86_64-linux]

/home/t/a

According to my interpretation of the description in rdoc, the correct output should be "/tmp/thing/a"
http://www.ruby-doc.org/stdlib-1.9.3/libdoc/pathname/rdoc/Pathname.html#method-i-realdirpath

Associated revisions
Revision afb5eef4 - 01/09/2012 11:28 AM - akr (Akira Tanaka)
• ext/pathname/pathname.c (path_entries): add document suggested by the thread [ruby-core:41959] [Bug #5859].
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34246 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 34246 - 01/09/2012 11:28 AM - akr (Akira Tanaka)
• ext/pathname/pathname.c (path_entries): add document suggested by the thread [ruby-core:41959] [Bug #5859].

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History

#1 - 01/08/2012 02:35 AM - kosaki (Motohiro KOSAKI)
A following modified script tell us why the script don't work as you expect. Pathname#entries return directly entrie, not absolute path. then, it forgot /tmp/thing.

% ./ruby--trunk -e "require 'pathname'; p Pathname.new(’/tmp/thing’).entries.sort[2]"

#Pathname:a

It is not a bug. just misleading spec.

#2 - 01/08/2012 02:49 AM - Eregon (Benoit Daloze)
I was going to answer but kosaki just did it.
Anyway, #entries always return filenames.
#children return what you would expect by default(with_directory=true):
ruby -e "require 'pathname'; puts Pathname.new(’/tmp/thing’).children.first.realpath # => /tmp/thing/a

Although it would not work either if you used a relative path and chdir’d, in which case you should #expand_path before.

I think it would be worth to add an example to Pathname#entries and I'm unsure if such low-level method is useful at all in Pathname.

#3 - 01/08/2012 02:52 AM - ayumin (Ayumu AIZAWA)

- Category set to doc
- Priority changed from Normal to 3
- Target version set to 2.0.0

#4 - 01/09/2012 08:28 PM - akr (Akira Tanaka)

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

This issue was solved with changeset r34246.
Thomas, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

#5 - 01/10/2012 06:23 AM - Eregon (Benoit Daloze)

Thank you Akira for improving the documentation.

I would have gladly helped as I made the suggestion, but I'm unfortunately pretty busy right now.