

Ruby master - Bug #8006

Dir.glob behaves differently on 1.9.3 and 2.0

03/03/2013 12:11 AM - gettalong (Thomas Leitner)

Status: Closed	
Priority: Normal	
Assignee: nobu (Nobuyoshi Nakada)	
Target version:	
ruby -v: ruby 2.0.0p0 (2013-02-24 revision 39474) [x86_64-linux]	Backport: 1.9.3: DONTNEED, 2.0.0: DONE
Description	
<pre>=begin While testing an application of mine with Ruby 2.0 I came across the following problem with Dir.glob where the pattern FOO/BAR/**/* does not match the directory FOO/BAR anymore because the implicit directories '.' and '..' don't get matched anymore. Used files: \$ find data/webgen/basic_website_template/ data/webgen/basic_website_template/ data/webgen/basic_website_template/ext data/webgen/basic_website_template/ext/init.rb data/webgen/basic_website_template/webgen.config data/webgen/basic_website_template/src data/webgen/basic_website_template/src/.gitignore With Ruby 1.9.3-p327: 1.9.3-p327 :001 > Dir.glob('data/webgen/basic_website_template/*', File::FNM_PATHNAME File::FNM_DOTMATCH File::FNM_CASEFOLD) => ["data/webgen/basic_website_template/.", "data/webgen/basic_website_template/ext", "data/webgen/basic_website_template/ext/.", "data/webgen/basic_website_template/ext/..", "data/webgen/basic_website_template/ext/init.rb", "data/webgen/basic_website_template/..", "data/webgen/basic_website_template/webgen.config", "data/webgen/basic_website_template/src", "data/webgen/basic_website_template/src/.", "data/webgen/basic_website_template/src/..", "data/webgen/basic_website_template/src/.gitignore"] 1.9.3-p327 :003 > With Ruby 2.0.0-p0: 2.0.0-p0 :001 > Dir.glob('data/webgen/basic_website_template/*', File::FNM_PATHNAME File::FNM_DOTMATCH File::FNM_CASEFOLD) => ["data/webgen/basic_website_template/ext", "data/webgen/basic_website_template/ext/init.rb", "data/webgen/basic_website_template/webgen.config", "data/webgen/basic_website_template/src", "data/webgen/basic_website_template/src/.gitignore"] =end</pre>	

Associated revisions

Revision f57c988e - 10/22/2013 06:59 AM - nobu (Nobuyoshi Nakada)

dir.c: DOTMATCH to current directory

- dir.c (glob_helper): don't skip current directories if FNM_DOTMATCH is given. [ruby-core:53108] [Bug #8006]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@43385 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 43385 - 10/22/2013 06:59 AM - nobu (Nobuyoshi Nakada)

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Revision c84397f4 - 02/09/2014 03:15 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 43385: [Backport #8006]

```
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```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@44897 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 03/08/2013 08:15 PM - gettalong (Thomas Leitner)

=begin

After some more experimenting, it seems that the *** operator doesn't act the same like in 1.9.3:

With Ruby 2.0.0-p0:

```
2.0.0p0 :017 > Dir.glob('data/webgen/basic_website_template/*', File::FNM_DOTMATCH|File::FNM_CASEFOLD)
=> ["data/webgen/basic_website_template/./", "data/webgen/basic_website_template/./ext", "data/webgen/basic_website_template/./.",
"data/webgen/basic_website_template/./webgen.config", "data/webgen/basic_website_template/./src", "data/webgen/basic_website_template/ext/.",
"data/webgen/basic_website_template/ext/./", "data/webgen/basic_website_template/ext/init.rb", "data/webgen/basic_website_template/./.",
"data/webgen/basic_website_template/./passive_sources", "data/webgen/basic_website_template/./.",
"data/webgen/basic_website_template/./bundle_template_files", "data/webgen/basic_website_template/./basic_website_template",
"data/webgen/basic_website_template/src/.", "data/webgen/basic_website_template/src/.", "data/webgen/basic_website_template/src/.gitignore"]
2.0.0p0 :018 > Dir.glob('data/webgen/basic_website_template/*', File::FNM_DOTMATCH|File::FNM_CASEFOLD)
=> ["data/webgen/basic_website_template/ext", "data/webgen/basic_website_template/ext/init.rb",
"data/webgen/basic_website_template/webgen.config", "data/webgen/basic_website_template/src",
"data/webgen/basic_website_template/src/.gitignore"]
```

=end

#2 - 03/09/2013 03:05 AM - nagachika (Tomoyuki Chikanaga)

- Assignee set to nobu (Nobuyoshi Nakada)

Hi,

r36903 seems related with this issue.

I'm not sure it is intentional change or not.

nakada san, what do you think?

#3 - 03/10/2013 08:14 PM - gettalong (Thomas Leitner)

=begin

For your information, I have fixed this problem in my code, see the (()).

Would be good, though, to know whether this is intentional or not.

Thanks!
=end

#4 - 10/22/2013 03:59 PM - nobu (Nobuyoshi Nakada)

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

This issue was solved with changeset r43385.
Thomas, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

dir.c: DOTMATCH to current directory

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#5 - 10/22/2013 04:05 PM - nobu (Nobuyoshi Nakada)

- *Backport set to 1.9.3: DONTNEED, 2.0.0: REQUIRED*

#6 - 02/09/2014 03:16 PM - nagachika (Tomoyuki Chikanaga)

- *Backport changed from 1.9.3: DONTNEED, 2.0.0: REQUIRED to 1.9.3: DONTNEED, 2.0.0: DONE*

r43385 was backported to uby_2_0_0 branch at r44897.