

## Ruby - Feature #10121

### Dir.empty?

08/10/2014 01:38 PM - shevegen (Robert A. Heiler)

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	matz (Yukihiro Matsumoto)	
<b>Target version:</b>		
<b>Description</b> On IRC someone asked how to find out if a directory is empty or not, from within ruby.  It seems as if there was no simple way.  I suggest adding Dir.empty?  On IRC, someone else suggested this:  <pre>Dir.entries(dir).size == 2</pre> I do not know if there are better ways but possibly that could be used for a Dir.empty? functionality?		
<b>Related issues:</b> Related to Ruby - Feature #12010: Exclude dot and dotdot from Dir#each <span style="float: right;">Closed</span>		

#### Associated revisions

**Revision 135a171ce11dc56d037bfc9c5c50b006042621c4 - 02/16/2016 08:34 AM - nobu (Nobuyoshi Nakada)**

dir.c: Dir.empty?

- dir.c (rb\_dir\_s\_empty\_p): add Dir.empty? method, which tells the argument is the name of an empty directory. [Feature #10121]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@53841 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 135a171c - 02/16/2016 08:34 AM - nobu (Nobuyoshi Nakada)**

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#### History

**#1 - 09/10/2014 02:28 AM - nobu (Nobuyoshi Nakada)**

- Description updated

- Category set to core

- Status changed from Open to Feedback

What should happen if the dir is not a directory name?  
Just returns false, or raises Errno::ENOTDIR?

**#2 - 09/10/2014 06:18 AM - nobu (Nobuyoshi Nakada)**

<https://github.com/nobu/ruby/compare/Feature%2310121-Dir.empty-p>

**#3 - 01/21/2016 03:46 AM - nobu (Nobuyoshi Nakada)**

- Related to Feature #12010: Exclude dot and dotdot from Dir#each added

**#4 - 01/21/2016 03:50 AM - nobu (Nobuyoshi Nakada)**

- Assignee set to matz (Yukihiro Matsumoto)

On Windows, root directories of drives don't contain "." nor "..", and the suggested code (also `Dir.entries(dirname).join == "..."`) doesn't work. If it is needed in real case, this method should be adopted, I think.

**#5 - 02/16/2016 08:34 AM - nobu (Nobuyoshi Nakada)**

- Status changed from *Feedback* to *Closed*

Applied in changeset r53841.

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`dir.c`: `Dir.empty?`

- `dir.c` (`rb_dir_s_empty_p`): add `Dir.empty?` method, which tells the argument is the name of an empty directory. [Feature [#10121](#)]

**#6 - 02/16/2016 05:05 PM - shevegen (Robert A. Heiler)**

Woot! Woot!

Thanks to nobu the patch monster and matz!

**#7 - 02/17/2016 01:58 PM - lucasbuchala (Lucas Buchala)**

Now that Ruby got a `Dir.empty?` method, do you think it makes sense to add a `File.empty?` as an alias for `File.zero?` ?

(I didn't know if it was worth opening a new issue for this simple suggestion, so I just appended it here, since I see `Dir.empty?` and `File.empty?` as related methods, somehow)

**#8 - 07/18/2016 04:01 AM - backus (John Backus)**

I commented this on [#9969](#) as well. Given that `Dir.empty?` is being introduced I think it would be helpful to also introduce either `Pathname#empty?` (which would check if something is a file or a directory then do the respective empty check) or `Pathname#empty_directory?` (which would assume the path is referring to a directory).