



**#6 - 04/14/2013 10:27 PM - rkh (Konstantin Haase)**

- Rubinius does not handle escaped [, { and }.
- JRuby does not handle escaped [ and ]

These are implementation bugs, imo, and nothing to worry about here.

If I am not mistaken, escaping is as simple as: `dir.gsub(/\[|\]|\\|\\?|\\{|\}/, '\\\\' + \\0')`.

Yes, but it shifts responsibility for keeping this up to date from the user code to the Ruby implementation, and should be flag dependent. I.e. Ruby 2.0 introduced the EXTGLOB flag.

**#7 - 04/15/2013 07:29 AM - Eregon (Benoit Daloze)**

rkh (Konstantin Haase) wrote:

- Rubinius does not handle escaped [, { and }.
- JRuby does not handle escaped [ and ]

These are implementation bugs, imo, and nothing to worry about here.

But it means the problem will not be solved in the general case before a while.  
It must also have been problematic for some time, so I guess we are not in a hurry either.

If I am not mistaken, escaping is as simple as: `dir.gsub(/\[|\]|\\|\\?|\\{|\}/, '\\\\' + \\0')`.

Yes, but it shifts responsibility for keeping this up to date from the user code to the Ruby implementation,

I agree there should be `Dir.escape` or `Dir.escape_glob`.

and should be flag dependent. I.e. Ruby 2.0 introduced the EXTGLOB flag.

Can you give examples? If it works for every case except `FNМ_NOESCAPE`, I think it is better to have a single simple way.

**#8 - 04/15/2013 09:23 AM - nobu (Nobuyoshi Nakada)**

(13/04/14 18:34), Eregon (Benoit Daloze) wrote:

I guess the most common use case is globbing on a directory recursively, so only the base directory is to be escaped, but this is not worth a specific method I think and could be done easily: `Dir.glob("#{Dir.escape dir}/**/*.rb") { |file| ... }`

It reminded me about old proposal, `Dir#glob` (not `Dir.glob`).

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Nobu Nakada

**#9 - 04/15/2013 07:38 PM - Eregon (Benoit Daloze)**

nobu (Nobuyoshi Nakada) wrote:

It reminded me about old proposal, `Dir#glob` (not `Dir.glob`).

Interesting, do you have a link?

**#10 - 06/26/2014 04:54 PM - jacknagel (Jack Nagel)**

An official API for escaping paths would be a hugely useful feature. In Homebrew, we use `Dir[]`, `Dir.glob` and `Pathname.glob` a lot, but little attention has been paid to properly escaping paths, and over the years we have accumulated a great deal of potentially problematic code.

Benoit Daloze wrote:

`Pathname` could likely avoid this problem nicely in this situation: `dir = Pathname("some_dir"); dir.glob("*/**/*.rb") { |file| ... }`

We also use `Pathname` quite heavily in Homebrew and would definitely take advantage of this.

**#11 - 04/19/2018 08:13 AM - shyouhei (Shyouhei Urabe)**

- Status changed from Open to Feedback

Issue [#13056](#) introduced base: option to Dir.glob method. Is this issue still needed?

**#12 - 04/19/2018 11:28 AM - Eregon (Benoit Daloze)**

Looks to me like this can be closed since we have Dir.glob(pattern, base: dir) and Pathname#glob uses it.

**#13 - 04/19/2018 03:54 PM - mame (Yusuke Endoh)**

Eregon (Benoit Daloze) wrote:

Looks to me like this can be closed since we have Dir.glob(pattern, base: dir) and Pathname#glob uses it.

Consider that we want to enumerate all files that are under a specified directory and whose name is also specified. If the name in question is "foo.txt" for example, we can do it by:

```
basedir = "/path/to/base/dir/"
filename = "foo.txt"
Dir.glob(basedir + "**/" + filename) # or Dir.glob("**/" + filename, base: basedir)?
```

However, if filename is "foo[bar]baz.txt", this code does not work. In this case, this feature is still useful.

(I personally prefer File.fnmatch\_escape to Dir.escape\_glob.)

**#14 - 11/24/2018 04:02 PM - Eregon (Benoit Daloze)**

mame (Yusuke Endoh) wrote:

Eregon (Benoit Daloze) wrote:

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Dir.glob(basedir + "**/" + filename) # or Dir.glob("**/" + filename, base: basedir)?
```

However, if filename is "foo[bar]baz.txt", this code does not work. In this case, this feature is still useful.

Because you'd want to list files whose name is actually "foo[bar]baz.txt"?

I see, makes sense.

My impression is everyone knows "glob'ing" and Dir.glob but very few know the cryptic "fnmatch", so Dir.escape\_glob seems easier to find.