Ruby master - Feature #7360

Adding Pathname#glob

11/15/2012 10:26 PM - aef (Alexander E. Fischer)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>akr (Akira Tanaka)</td>
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<td>Target version:</td>
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**Description**
Currently there is only a Pathname.glob method, which allows you to find Pathname objects by a pattern including wildcard characters like `*`

I would like to be able to use this relative to a current Pathname.

```ruby
some_directory = Pathname.new('some_directory')
Pathname.glob(some_directory + 'a*')  # all children starting with "a"
```

could then simply be:

```ruby
some_directory.glob('a*')  # all children starting with "a"
```

If you like the idea, please let me know. I will provide a patch then.

**Related issues:**
Related to Ruby master - Feature #7378: Adding Pathname#write
Blocked by Ruby master - Feature #13056: base option to Dir.glob

**Associated revisions**

Revision cea5f5aa - 10/21/2017 08:34 AM - akr (Akira Tanaka)
Pathname#glob method implemented.

[ruby-core:49373] [Feature #7360] proposed by Alexander E. Fischer.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@60238 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 60238 - 10/21/2017 08:34 AM - akr (Akira Tanaka)
Pathname#glob method implemented.

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**History**

#1 - 11/24/2012 10:45 AM - mame (Yusuke Endoh)
- Status changed from Open to Assigned
- Assignee set to akr (Akira Tanaka)
- Target version set to 2.6

#2 - 09/26/2015 04:57 PM - til (Tilmann Singer)
- File 19c4ae36aae65b30e8b73c89f7ac42bd6905ed7.patch added
Here is a patch that adds the functionality as outlined by Alexander. It's using "Pathname#join" to build the glob pattern, and then delegating to "Pathname.glob".

As described in the doc, it will accept a single string with a glob pattern, or an array of glob patterns.

The main use case is when you want to do something based relative to a current directory that is already available as Pathname, such as Rails.root in a Rails project. With this, you can say e.g.

Rails.root.glob("*.rb")

to find all ruby files in the current project.

Link to the branch of my fork on GitHub:

https://github.com/til/ruby/tree/add-pathname-glob-instance-method

#3 - 10/31/2016 06:41 AM - sakuro (Sakuro OZAWA)
ping?

#4 - 10/31/2016 08:39 AM - til (Tilmann Singer)
The patch still applies to latest trunk.

#5 - 11/05/2016 02:00 PM - akr (Akira Tanaka)
- Status changed from Assigned to Feedback

It seems the proposed implementation treats the receiver as a glob pattern.

% ruby -rpathname -e 'class Pathname
  def glob(pattern, flags = 0, &b)
    Array(pattern).flat_map do |pat|
      self.class.glob(join(pat), flags, &b)
    end
  end
p Pathname("/b*").glob("i*")
'
[<Pathname:/boot/initrd.img-3.16.0-4-amd64>, <Pathname:/bin/ip>]

I think it is not intentional.

#6 - 12/21/2016 08:00 AM - nobu (Nobuyoshi Nakada)
- Blocked by Feature #13056: base option to Dir.glob added

#7 - 12/21/2016 02:53 PM - shyouhei (Shyouhei Urabe)
We looked at this issue at today's developer meeting. As Akira already respond, the proposed patch has a problem. In order to reroute that we need to extend Dir.glob. Nobu opened a ticker for that. Once he finished that, we can resume this one.

#8 - 10/21/2017 08:35 AM - akr (Akira Tanaka)
- Status changed from Feedback to Closed

Applied in changeset trunk|r60238.

Pathname#glob method implemented.

[ruby-core:49373] [Feature #7360] proposed by Alexander E. Fischer.

Files

19c4ae36aaea65b30e8b73c89f7a42bd6905ed7.patch  2.84 KB  09/26/2015  til (Tilmann Singer)