

Ruby master - Feature #5707

temporary file creation without finalizer and delegate.

12/04/2011 11:31 PM - akr (Akira Tanaka)

Status:	Closed
Priority:	Normal
Assignee:	akr (Akira Tanaka)
Target version:	2.6
Description	
<p>Tempfile always uses finalizer and delegate. Sometimes we don't need them.</p> <p>For example, following test creates a temporary file using Tempfile.open but the file is used only in the block. The file is removed when the Tempfile object is collected but it is possible to remove just after the block return.</p> <pre>test/ruby/test_io.rb: def test_fcntl_dupfd Tempfile.open(self.class.name) do f fd = f.fcntl(Fcntl::F_DUPFD, 63) begin assert_operator(fd, >=, 63) ensure IO.for_fd(fd).close end end end</pre> <p>So I propose a method, Tempfile.open2, to create temporary file without finalizer and delegate.</p> <p>The arguments of Tempfile.open2 is same as Tempfile.open. The return value is File object instead of Tempfile object.</p> <p>If a block is given, the temporary file is removed after the block returns.</p> <p>If a block is not given, the temporary file is not removed. It should be removed using File.unlink. Non-block form can be used to create non-temporary file. If you need to change temporary file to non-temporary file, File.rename can be used.</p> <p>I made a patch to implement Tempfile.open2. I also made a patch to change tests to use Tempfile.open2 to show usage of it.</p> <p>A problem of this proposal is the method name. Tempfile.open2 is not a good name. Better idea is welcome.</p>	
Subtasks:	
Feature # 7767: Tempfile□□□□□□□□□□□□□□	
Closed	

Associated revisions

Revision 5388fb64 - 04/20/2013 01:50 PM - akr (Akira Tanaka)

- lib/tempfile.rb (Tempfile.create): New method. The method name is proposed by Shugo Maeda. [ruby-dev:47220] [ruby-core:41478] [Feature #5707]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@40393 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 40393 - 04/20/2013 01:50 PM - akr (Akira Tanaka)

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History

#1 - 12/05/2011 03:53 AM - normalperson (Eric Wong)

Akira Tanaka akr@fsij.org wrote:

A problem of this proposal is the method name.
Tempfile.open2 is not a good name.

Since Tempfile.new already takes an optional hash,
how about:

```
Tempfile.open(..., finalizer: false)
```

#2 - 12/05/2011 09:23 AM - akr (Akira Tanaka)

2011/12/5 Eric Wong normalperson@yhbt.net:

Since Tempfile.new already takes an optional hash,
how about:

```
Tempfile.open(..., finalizer: false)
```

It is not bad.

But I feel the description is too subtle to change
the class of return value and the responsibility or timing of file deletion.

--

Tanaka Akira

#3 - 12/05/2011 03:29 PM - kosaki (Motohiro KOSAKI)

Since Tempfile.new already takes an optional hash,
how about:

```
Â Tempfile.open(..., finalizer: false)
```

It is not bad.

But I feel the description is too subtle to change
the class of return value and the responsibility or timing of file deletion.

I'm incline with Eric and I prefer to don't add Non-block form. It's
no recommended
programming style and shouldn't be encouraged.

Because of, if people accidentally use Tempfile.open instead of Tempfile.open2,
no visible fault is happen on many case. So, they don't have big difference from
point of end user view.

#4 - 03/28/2012 01:05 AM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to akr (Akira Tanaka)

What's the status? How can we move on?

The easiest way I think is to become the maintainer of tempfile
and to accept the ticket by yourself.

--
Yusuke Endoh mame@tsg.ne.jp

#5 - 03/28/2012 09:53 AM - akr (Akira Tanaka)

2012/3/28 mame (Yusuke Endoh) mame@tsg.ne.jp:

Issue [#5707](#) has been updated by mame (Yusuke Endoh).

Status changed from Open to Assigned
Assignee set to akr (Akira Tanaka)

What's the status? How can we move on?

The easiest way I think is to become the maintainer of tempfile
and to accept the ticket by yourself.

I hope we can find a good method name.

I don't accept this issue without a good method name anyway.

--
Tanaka Akira

#6 - 11/20/2012 09:56 PM - mame (Yusuke Endoh)

- Target version set to 2.6

#7 - 04/20/2013 10:50 PM - akr (Akira Tanaka)

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

This issue was solved with changeset r40393.
Akira, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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- [lib/tempfile.rb \(Tempfile.create\)](#): New method. The method name is proposed by Shugo Maeda. [ruby-dev:47220] [ruby-core:41478] [Feature [#5707](#)]

Files

tempfile-open2.patch	1.52 KB	12/04/2011	akr (Akira Tanaka)
tempfile-open2-tests.patch	3.16 KB	12/04/2011	akr (Akira Tanaka)