

Ruby trunk - Bug #3594

URI class doesn't do file URL's properly.

07/21/2010 06:06 PM - NeilW (Neil Wilson)

Status: Closed	
Priority: Normal	
Assignee: akira (akira yamada)	
Target version:	
ruby -v: ruby 1.8.7 (2010-01-10 patchlevel 249) [x86_64-linux]	Backport: 2.3: UNKNOWN, 2.4: UNKNOWN
Description =begin URI doesn't seem to output file URLs properly where there is an absolute path part. For example. require 'uri' my_url = URI.parse("file:///var/lib/libvirt/images/") p my_url.to_s "file:/var/lib/libvirt/images/" The double slash '/' should always appear according to the file URL specification. =end	

History

#1 - 06/26/2011 01:35 PM - akr (Akira Tanaka)

- Project changed from Ruby to Ruby trunk
- Assignee set to akira (akira yamada)

#2 - 03/18/2012 06:46 PM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Assigned

#3 - 12/10/2012 12:49 AM - mame (Yusuke Endoh)

- Description updated

Is this specified in RFC or any spec?

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Yusuke Endoh mame@tsg.ne.jp

#4 - 12/10/2012 09:58 AM - naruse (Yui NARUSE)

mame (Yusuke Endoh) wrote:

Is this specified in RFC or any spec?

There's no available RFC of file URI scheme.

see also:

- http://en.wikipedia.org/wiki/File_URI_scheme
- <http://suika.fam.cx/~wakaba/wiki/sw/n/file>

#5 - 11/28/2017 01:09 PM - mame (Yusuke Endoh)

[RFC 8089 \(The "file" URI Scheme\)](#) has been published in 2017. It says:

```
file-URI = file-scheme ":" file-hier-part
```

```
file-scheme = "file"
```

```
file-hier-part = ( "/" auth-path )  
                / local-path
```

```
auth-path = [ file-auth ] path-absolute
```

```
local-path = path-absolute
```

and RFC 3986 says:

```
path-absolute = "/" [ segment-nz *( "/" segment ) ]
```

So, "file:/var/lib/libvirt/images/" does not conform the spec, I think.

The maintainer of lib/uri.rb is Akira Yamada, who seems inactive. Does anyone want to investigate and fix this issue?

#6 - 11/28/2017 10:53 PM - mame (Yusuke Endoh)

- Status changed from Assigned to Rejected

Sorry, I misread the spec. The URI is valid because it can be interpreted as file-scheme ":" local-path. So, there is no problem. Closing.

#7 - 12/01/2017 03:11 PM - naruse (Yui NARUSE)

- Status changed from Rejected to Closed

I found the description in URL spec.

Therefore I fixed it at [r60970](#).