

Ruby 1.8 - Bug #6656

Time#strftime('%Z') should return 'UTC' instead of 'GMT'

06/27/2012 09:15 PM - stomar (Marcus Stollsteimer)

Status:	Open
Priority:	Normal
Assignee:	
Target version:	
ruby -v:	ruby 1.8.7 (2010-08-16 patchlevel 302) [i686-linux]
Description =begin Time#strftime('%Z') should return 'UTC' instead of 'GMT', as in Time#to_s and Time#zone. This is also the behaviour of Ruby 1.9.3. irb(main):001:0> Time.utc(2012, 6, 27).to_s => "Wed Jun 27 00:00:00 UTC 2012" irb(main):002:0> Time.utc(2012, 6, 27).zone => "UTC" irb(main):003:0> Time.utc(2012, 6, 27).strftime('%Z') => "GMT" =end	

History

#1 - 06/28/2012 09:53 AM - akr (Akira Tanaka)

2012/6/27 stomar (Marcus Stollsteimer) redmine@ruby-lang.org:

Issue [#6656](#) has been reported by stomar (Marcus Stollsteimer).

Time#strftime('%Z') should return 'UTC' instead of 'GMT',
as in Time#to_s and Time#zone. This is also the behaviour of Ruby 1.9.3.

```
irb(main):001:0> Time.utc(2012, 6, 27).to_s  
=> "Wed Jun 27 00:00:00 UTC 2012"  
irb(main):002:0> Time.utc(2012, 6, 27).zone  
=> "UTC"  
irb(main):003:0> Time.utc(2012, 6, 27).strftime('%Z')  
=> "GMT"
```

Ruby 1.8 uses strftime() in libc.

Ruby 1.9 uses own strftime() which %Z should produce UTC.

```
% ruby-1.8.7p357 -ve 'p Time.utc(2012, 6, 27).strftime("%Z")'  
ruby 1.8.7 (2011-12-28 patchlevel 357) [x86_64-linux]  
"GMT"  
% ruby-1.9.3p194 -ve 'p Time.utc(2012, 6, 27).strftime("%Z")'  
ruby 1.9.3p194 (2012-04-20 revision 35410) [x86_64-linux]  
"UTC"
```

Do you really sure that it returns "GMT" with Ruby 1.9.3?

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Tanaka Akira

#2 - 06/28/2012 05:23 PM - stomar (Marcus Stollsteimer)

Am 28.06.2012 02:29, schrieb Tanaka Akira:

2012/6/27 stomar (Marcus Stollsteimer) redmine@ruby-lang.org:

Issue [#6656](#) has been reported by stomar (Marcus Stollsteimer).

Time#strftime('%Z') should return 'UTC' instead of 'GMT',
as in Time#to_s and Time#zone. This is also the behaviour of Ruby 1.9.3.

```
irb(main):001:0> Time.utc(2012, 6, 27).to_s
=> "Wed Jun 27 00:00:00 UTC 2012"
irb(main):002:0> Time.utc(2012, 6, 27).zone
=> "UTC"
irb(main):003:0> Time.utc(2012, 6, 27).strftime("%Z")
=> "GMT"
```

Ruby 1.8 uses `strftime()` in `libc`.

Ruby 1.9 uses own `strftime()` which `%Z` should produce UTC.

```
% ruby-1.8.7p357 -ve 'p Time.utc(2012, 6, 27).strftime("%Z")'
ruby 1.8.7 (2011-12-28 patchlevel 357) [x86_64-linux]
"GMT"
% ruby-1.9.3p194 -ve 'p Time.utc(2012, 6, 27).strftime("%Z")'
ruby 1.9.3p194 (2012-04-20 revision 35410) [x86_64-linux]
"UTC"
```

Do you really sure that it returns "GMT" with Ruby 1.9.3?

Sorry, what I meant is:

The desired behavior would be that "UTC" is used *consistently* in all 3 methods, as is already the case in Ruby 1.9.3.

At the moment, `strftime("%Z")` behaves differently in versions 1.8.7 and 1.9.3 and additionally even behaves in an unexpected and most inconsistent way within 1.8.7: `#strftime("%Z")` and `#zone` should output the same time zone name.

rdoc for `Time#zone` (1.8.7):

```
Returns the name of the time zone used for time.
As of Ruby 1.8, returns "UTC" rather than "GMT" for UTC times.
```

rdoc for `strftime` with `%Z` (1.8.7):

```
%Z - Time zone name
```

Marcus

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<https://github.com/stomar/>

#3 - 06/28/2012 10:23 PM - akr (Akira Tanaka)

2012/6/28 Marcus Stollsteimer sto.mar@web.de:

The desired behavior would be that "UTC" is used *consistently* in all 3 methods, as is already the case in Ruby 1.9.3.

I see. I misunderstood.

However Ruby 1.8's `%Z` behavior is intended behavior because Ruby 1.8 uses just a `strftime()` in `libc`.

So, this issue is a new feature request.

I guess it is difficult to implement, discuss and accept for Ruby 1.8.7 until the next (and last) Ruby 1.8.7 release.

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Tanaka Akira

#4 - 06/29/2012 01:53 AM - stomar (Marcus Stollsteimer)

Am 28.06.2012 15:08, schrieb Tanaka Akira:

However Ruby 1.8's `%Z` behavior is intended behavior because Ruby 1.8 uses just a `strftime()` in `libc`.
So, this issue is a new feature request.

I disagree.

A programmer should not have to worry about the implementation of the method. Furthermore, in the documentation #strptime is not marked as a mere wrapper for the C library's strftime().

The different behavior of strftime("%Z") and #zone / #to_s is unexpected and seems even contradictory to the statement in the #zone documentation, that "UTC" is used since 1.8.

Regards,
Marcus

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<https://github.com/stomar/>

#5 - 06/29/2012 06:53 AM - akr (Akira Tanaka)

2012/6/29 sto.mar@web.de:

A programmer should not have to worry about the implementation of the method. Furthermore, in the documentation #strptime is not marked as a mere wrapper for the C library's strftime().

Hm. It may be possible to consider it a documentation bug.

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Tanaka Akira

#6 - 07/14/2012 06:36 PM - ayumin (Ayumu AIZAWA)

- *Project changed from Ruby trunk to Ruby 1.8*