

Ruby master - Bug #7870

Time.now == "" causes an infinite loop

02/17/2013 08:46 AM - drbrain (Eric Hodel)

Status: Closed	
Priority: Normal	
Assignee: nobu (Nobuyoshi Nakada)	
Target version: 2.0.0	
ruby -v: ruby 2.0.0dev (2013-02-08) [x86_64-darwin12.2.1]	Backport:
Description =begin This is a regression from 1.9. 2.0.0 branch: \$./ruby20 -v ../branches/ruby_2_0_0/test.rb ruby 2.0.0dev (2013-02-08) [x86_64-darwin12.2.1] ../branches/ruby_2_0_0/test.rb:1: warning: possibly useless use of == in void context ../branches/ruby_2_0_0/test.rb:1: stack level too deep (SystemStackError) 1.9: \$ ruby19 -v test.rb ruby 1.9.3p374 (2013-01-15 revision 38858) [x86_64-darwin12.2.1] test.rb:1: warning: possibly useless use of == in void context This also reproduces in trunk. =end	
Related issues: Related to Backport200 - Backport #7875: Backport r39292 to 2.0.0 which fixes... Closed 02/18/2013	

Associated revisions

Revision 44c5c2a3 - 02/17/2013 11:55 AM - nobu (Nobuyoshi Nakada)

compar.c: inversed comarison without infinite recursion

- compar.c (rb_invcmp): compare by inversed comarison, with preventing from infinite recursion. [ruby-core:52305] [Bug #7870]
- string.c (rb_str_cmp_m), time.c (time_cmp): get rid of infinite recursion.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39292 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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Revision 0558cc52 - 02/19/2013 11:57 PM - drbrain (Eric Hodel)

Merge revision 39292:

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@39325 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 02/17/2013 09:22 AM - drbrain (Eric Hodel)

- Assignee set to nobu (Nobuyoshi Nakada)

r38044 is the culprit.

Previously Ruby would return nil if the other object did not have to_str, now ruby calls other <=> self when other is not a String and does not have <=> leading to the infinite loop.

#2 - 02/17/2013 03:05 PM - mame (Yusuke Endoh)

- Priority changed from 6 to Normal

I don't think that this is a showstopper, unless there is many or famous application depending on this behavior. Do you know anything?

After it is fixed in trunk, we may backport the patch to 2.0.0, but don't necessarily have to do so. I guess that it can be fixed 2.0.0-pXXX later (depending on Nagachika-san).

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Yusuke Endoh mame@tsg.ne.jp

#3 - 02/17/2013 05:41 PM - drbrain (Eric Hodel)

Fog breaks due to this change (it is how I discovered it):

<https://github.com/fog/fog/blob/master/lib/fog/core/attributes.rb#L53-L62>

This compares a Time with the empty string leading to the infinite loop.

Fog provides an API for cloud services such as Amazon AWS, OpenStack, etc. It is fairly popular.

#4 - 02/17/2013 06:25 PM - ko1 (Koichi Sasada)

- Priority changed from Normal to 6

#5 - 02/17/2013 07:35 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned

drbrain, thank you! That is terrible.

Nobu, please check and fix it!

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Yusuke Endoh mame@tsg.ne.jp

#6 - 02/17/2013 08:55 PM - nobu (Nobuyoshi Nakada)

- *Status changed from Assigned to Closed*

- *% Done changed from 0 to 100*

This issue was solved with changeset r39292.

Eric, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

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