

Ruby - Bug #11946

Assertion failed: (!STR_EMBED_P(shared)), function str_new_frozen, file string.c, line 1075.

01/04/2016 01:34 PM - felixmohnert (Felix Mohnert)

Status:	Closed	Backport: 2.0.0: DONTNEED, 2.1: DONTNEED, 2.2: DONTNEED, 2.3: DONE
Priority:	Normal	
Assignee:	naruse (Yui NARUSE)	
Target version:		
ruby -v:	2.3.0	
Description		
Starting the Rails server or running specs for one of our applications results in:		
<pre>Assertion failed: (!STR_EMBED_P(shared)), function str_new_frozen, file string.c, line 1075. Abort trap: 6</pre>		
Previous Ruby versions didn't cause a problem. I wasn't able to find out what exactly causes it, if you know how to produce a better log here, I'm glad to provide it.		

Associated revisions

Revision 040ce056101bc9a8d9a5b0ed5d6a5835ec31be26 - 02/03/2016 04:52 AM - naruse (Yui NARUSE)

- string.c (str_new_frozen): if the given string is embeddable but not embedded, embed a new copied string. [Bug #11946]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@53724 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 040ce056 - 02/03/2016 04:52 AM - naruse (Yui NARUSE)

- string.c (str_new_frozen): if the given string is embeddable but not embedded, embed a new copied string. [Bug #11946]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@53724 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision a2ed2d20cb69da4c0c0258f04d704a370cf02d84 - 03/29/2016 04:30 PM - naruse (Yui NARUSE)

merge revision(s) 53724: [Backport #11946]

```
* string.c (str_new_frozen): if the given string is embeddable
  but not embedded, embed a new copied string. [Bug #11946]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@54416 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision a2ed2d20 - 03/29/2016 04:30 PM - naruse (Yui NARUSE)

merge revision(s) 53724: [Backport #11946]

```
* string.c (str_new_frozen): if the given string is embeddable
  but not embedded, embed a new copied string. [Bug #11946]
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@54416 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 01/04/2016 02:34 PM - nobu (Nobuyoshi Nakada)

Do you have short code to reproduce it, and what platform?

Or if it is reproducible, then run that application from debugger.

.gdbinit for gdb is bundled with the source, break at the line and try rp macro to see the content of orig and shared.

#2 - 01/04/2016 05:10 PM - atstockland (Adam Stockland)

I have the exact same problem and message. Wish I had more to add, but I don't. I came on to add an issue and saw Felix beat me to it. I'll follow this issue and participate as I can.

Rails 4.2.5
Ruby 2.3
OS X 10.11.2
Minitest 5.1

Felix Mohnert wrote:

Starting the Rails server or running specs for one of our applications results in:

```
Assertion failed: (!STR_EMBED_P(shared)), function str_new_frozen, file string.c, line 1075.  
Abort trap: 6
```

Previous Ruby versions didn't cause a problem. I wasn't able to find out what exactly causes it, if you know how to produce a better log here, I'm glad to provide it.

#3 - 01/05/2016 01:11 PM - felixmohnert (Felix Mohnert)

Nobuyoshi Nakada wrote:

Do you have short code to reproduce it, and what platform?

I do not have code to reproduce it but I'm trying to provide you with a snippet today.

The only thing I found out so far:
It happens in

```
.gem/ruby/2.3.0/gems/railties-4.2.0/lib/rails/commands/commands_tasks.rb
```

in line 80 which is

```
server.start
```

OS X 10.11.2
Ruby 2.3
Rails 4.2.0

#4 - 01/19/2016 04:46 AM - fredngo (Fred Ngo)

Ruby 2.3.0
Rails 4.2.5

Confirming for me also. I have traced the problem to this line:

https://github.com/rails/rails/blob/v4.2.5/actionpack/lib/action_dispatch/routing/route_set.rb#L546

in the call to `name.to_s.match(/^[_a-z]\w*$/i)`. Specifically, when `match()` is called.

The strange thing is that when I freeze the string by substituting `name.to_s.freeze.match(/^[_a-z]\w*$/i)` then it passes without the core dump failure.

I know there were some Frozen string changes in 2.3.0 so it might be related to that..

The other thing is that this line doesn't always fail, it only fails on some routes. I have no idea why, because the name is always a string class, and a valid string.

I should add also that I am using ActiveAdmin, which auto-generates some routes for its admin pages. It is failing on one of the auto generated `:index` routes, but not all of them... Very strange.

As Felix says, this is not a problem with Ruby 2.2.4.

Felix, would you mind checking if you are having the same problem, by linking to a local copy of Rails 4.2.0 and inserting `'puts "**** name=#{name}"'` at the beginning of the `def add_route` method? Then when you start the server, you should see a bunch of routes go by until the problematic route appears.

#5 - 02/02/2016 11:28 PM - bjmlr (Ben Miller)

- *File bug11946.rb added*

I was able to reduce to a script that doesn't need any gems. I'm using Arch Linux.

#6 - 02/03/2016 03:18 AM - naruse (Yui NARUSE)

- *Status changed from Open to Assigned*

- Assignee changed from nobu (Nobuyoshi Nakada) to naruse (Yui NARUSE)

- Backport changed from 2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN to 2.0.0: DONTNEED, 2.1: DONTNEED, 2.2: DONTNEED, 2.3: REQUIRED

Ben Miller wrote:

I was able to reduce to a script that doesn't need any gems. I'm using Arch Linux.

This is so helpful!
I identify the issue!

#7 - 02/03/2016 04:52 AM - naruse (Yui NARUSE)

- Status changed from Assigned to Closed

Applied in changeset r53724.

- string.c (str_new_frozen): if the given string is embeddable but not embedded, embed a new copied string. [Bug [#11946](#)]

#8 - 02/03/2016 09:59 AM - felixmohnert (Felix Mohnert)

Thank you Ben Miller for providing the script and thanks to you Yui NARUSE for creating the fix!

#9 - 02/11/2016 03:54 AM - fredngo (Fred Ngo)

Will this be released in a patch level release? Or do we have to wait till 2.3.1?

#10 - 02/11/2016 06:18 AM - nobu (Nobuyoshi Nakada)

2.3.1 is the next patch level release.

#11 - 03/26/2016 06:18 PM - joemsak (Joe Sak)

I have the same setup, Rails 4.2, Ruby 2.3, Active Admin, and I got this bug as soon as I installed the country_select gem https://github.com/stefanpenner/country_select

#12 - 03/29/2016 04:30 PM - naruse (Yui NARUSE)

- Backport changed from 2.0.0: DONTNEED, 2.1: DONTNEED, 2.2: DONTNEED, 2.3: REQUIRED to 2.0.0: DONTNEED, 2.1: DONTNEED, 2.2: DONTNEED, 2.3: DONE

ruby_2_3 r54416 merged revision(s) 53724.

Files			
bug11946.rb	294 Bytes	02/02/2016	bjmllr (Ben Miller)