

## Ruby trunk - Bug #9202

### Array#uniq freezes duplicate strings

12/03/2013 09:05 AM - drbrain (Eric Hodel)

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Glass_saga (Masaki Matsushita)	
<b>Target version:</b>	2.1.0	
<b>ruby -v:</b>	ruby 2.1.0dev (2013-12-02 trunk 43958) [x86_64-darwin13.0]	<b>Backport:</b> 1.9.3: DONTNEED, 2.0.0: DONTNEED

#### Description

I imagine this is related to the recent frozen string changes. This behavior change in Array#uniq breaks RubyGems:

```
$ cat test.rb
p unique: %w[a].uniq.any? { |item| item.frozen? }
p duplicate: %w[a a].uniq.any? { |item| item.frozen? }
$ ruby -v test.rb
ruby 2.0.0p247 (2013-06-27 revision 41674) [x86_64-darwin12.4.0]
{:unique=>false}
{:duplicate=>false}
$ make runruby
./miniruby -I../trunk/lib -I. -I.ext/common ../trunk/tool/runruby.rb --extout=.ext -- --disable-gems ../trunk/test.rb
{:unique=>false}
{:duplicate=>true}
```

#### Associated revisions

##### Revision 95f983f6 - 12/03/2013 04:55 AM - glass

- array.c (ary\_add\_hash): set and return values because string keys will be frozen. [ruby-core:58809] [Bug #9202]
- array.c (rb\_ary\_uniq\_bang): ditto.
- array.c (rb\_ary\_or): ditto.
- array.c (rb\_ary\_uniq): ditto.
- test/ruby/test\_array.rb: tests for above.

The patch is from normalperson (Eric Wong).

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@43969 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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## History

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### #1 - 12/03/2013 09:09 AM - drbrain (Eric Hodel)

- ruby -v changed from ruby 2.0.0dev (2012-11-29 trunk 37968) [x86\_64-darwin12.2.0] to ruby 2.1.0dev (2013-12-02 trunk 43958) [x86\_64-darwin13.0]

### #2 - 12/03/2013 11:23 AM - normalperson (Eric Wong)

It's not r43870 (Use rb\_fstring() to de-duplicate hash string keys)  
Bisecting now...

### #3 - 12/03/2013 11:23 AM - normalperson (Eric Wong)

bisected to r43194:

```
* array.c (rb_ary_uniq): use rb_hash_keys().
* internal.h: define rb_hash_keys() as internal API.
* hash.c (rb_hash_keys): ditto.
```

### #4 - 12/03/2013 12:10 PM - normalperson (Eric Wong)

- File 0001-Array-uniq-uniq-does-not-return-frozen-hash-keys.patch added

This should fix it, can you confirm/? Thanks

### #5 - 12/03/2013 01:53 PM - Glass\_saga (Masaki Matsushita)

- Assignee changed from charliesome (Charlie Somerville) to Glass\_saga (Masaki Matsushita)

I confirmed it. Thank you for your patch!

### #6 - 12/03/2013 01:55 PM - Anonymous

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r43969.  
Eric, thank you for reporting this issue.  
Your contribution to Ruby is greatly appreciated.  
May Ruby be with you.

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  - test/ruby/test\_array.rb: tests for above.

The patch is from normalperson (Eric Wong).

**#7 - 12/04/2013 09:23 AM - normalperson (Eric Wong)**

"Glass\_saga (Masaki Matsushita)" [glass.saga@gmail.com](mailto:glass.saga@gmail.com) wrote:

I confirmed it. Thank you for your patch!

No problem, thanks for the review.

Also, I think we may remove rb\_hash\_keys from internal.h and make it static again.

**Files**

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0001-Array-uniq-uniq-does-not-return-frozen-hash-keys.patch	3.68 KB	12/03/2013	normalperson (Eric Wong)
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