

## Ruby trunk - Bug #9381

### 2.1.0 Regression. Hash lookup with #hash and #eql?

01/08/2014 12:56 PM - nick78 (Nick S)

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	nobu (Nobuyoshi Nakada)	
<b>Target version:</b>		
<b>ruby -v:</b>	ruby 2.1.0p0 (2013-12-25 revision 44422) [x86_64-linux]	<b>Backport:</b> 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: DONE, 2.2: DONE
<b>Description</b>		
Ruby 2.1.0 won't fetch objects when the lookup key overrides #hash and #eql?. This is a regression as it works as expected in ruby 1.8, 1.9 and 2.0.		
<pre>class Wrapper   def initialize(obj)     @obj = obj   end    def method_missing(symbol, *args, &amp;block)     @obj.__send__(symbol, *args, &amp;block)   end    def hash     @obj.hash   end    def eql?(other)     @obj.eql?(other)   end end  hash = { 5 =&gt; "LOOKUP SUCCEEDED" }</pre>		
# Prints "LOOKUP SUCCEEDED" on RUBY < 2.1.0. Fails on RUBY 2.1.0. p hash[Wrapper.new(5)]		

#### Associated revisions

##### Revision ab6efa5b - 01/08/2014 06:55 AM - nobu (Nobuyoshi Nakada)

object.c: hash value from objid with salt

- hash.c (rb\_objid\_hash): return hash value from object ID with a salt, extract from rb\_any\_hash().
- object.c (rb\_obj\_hash): return same value as rb\_any\_hash(). fix r44125. [ruby-core:59638] [Bug #9381]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@44525 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 44525 - 01/08/2014 06:55 AM - nobu (Nobuyoshi Nakada)

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**Revision 72d18038 - 02/05/2014 02:53 PM - naruse (Yui NARUSE)**

merge revision(s) 44525,44534,44537: [Backport #9381]

- \* hash.c (rb\_objid\_hash): return hash value from object ID with a salt, extract from rb\_any\_hash().
- \* object.c (rb\_obj\_hash): return same value as rb\_any\_hash(). fix r44125. [ruby-core:59638] [Bug #9381]
- \* hash.c (rb\_any\_hash): should treat the return value of rb\_objid\_hash() as `long`, because ruby assumes the object id of an object is `long`. this fixes test failures on mswin64 introduced at r44525.
- \* hash.c (rb\_objid\_hash): should return `long`. brushup r44534.
- \* object.c (rb\_obj\_hash): follow above change. as `long`, because ruby assumes the hash value of the object id of an object is `long`.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_1@44846 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 4de35baf - 07/29/2015 05:06 AM - nobu (Nobuyoshi Nakada)**

test\_hash.rb: add assertions

- test/ruby/test\_hash.rb (test\_wrapper\_of\_special\_const): test other special objects. [Bug #9381]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@51423 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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**Revision efc7a3a7 - 07/29/2015 05:53 AM - nobu (Nobuyoshi Nakada)**

hash.c: fix float hash

- hash.c (rb\_any\_hash): fix Float hash. rb\_dbl\_hash() returns a Fixnum, but not a long. [Bug #9381]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@51425 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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**Revision 48f9012d - 07/29/2015 05:54 AM - nobu (Nobuyoshi Nakada)**

hash.c: fix symbol hash

- hash.c (rb\_sym\_hash): return same value as rb\_any\_hash() of Symbol. [Bug #9381]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@51426 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 51426 - 07/29/2015 05:54 AM - nobu (Nobuyoshi Nakada)**

hash.c: fix symbol hash

- hash.c (rb\_sym\_hash): return same value as rb\_any\_hash() of Symbol. [Bug #9381]

**Revision 51426 - 07/29/2015 05:54 AM - nobu (Nobuyoshi Nakada)**

hash.c: fix symbol hash

- hash.c (rb\_sym\_hash): return same value as rb\_any\_hash() of Symbol. [Bug #9381]

**Revision 51426 - 07/29/2015 05:54 AM - nobu (Nobuyoshi Nakada)**

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**Revision 640c135c - 08/14/2015 06:37 AM - nagachika (Tomoyuki Chikanaga)**

merge revision(s) 51423,51425: [Backport #9381]

test\_hash.rb: add assertions

```
* test/ruby/test_hash.rb (test_wrapper_of_special_const): test
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other special objects. [Bug #9381]

\* hash.c (rb\_any\_hash): fix Float hash. rb\_dbl\_hash() returns a Fixnum, but not a long. [Bug #9381]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_2@51572 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 51572 - 08/14/2015 06:37 AM - nagachika (Tomoyuki Chikanaga)**

merge revision(s) 51423,51425: [Backport #9381]

test\_hash.rb: add assertions

```
* test/ruby/test_hash.rb (test_wrapper_of_special_const): test
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\* hash.c (rb\_any\_hash): fix Float hash. rb\_dbl\_hash() returns a Fixnum, but not a long. [Bug #9381]

#### Revision 170f64d6 - 08/17/2015 08:52 AM - usa (Usaku NAKAMURA)

merge revision(s) 51423,51425: [Backport #9381]

test\_hash.rb: add assertions

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* test/ruby/test_hash.rb (test_wrapper_of_special_const): test
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_1@51613 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

#### Revision 51613 - 08/17/2015 08:52 AM - usa (Usaku NAKAMURA)

merge revision(s) 51423,51425: [Backport #9381]

test\_hash.rb: add assertions

```
* test/ruby/test_hash.rb (test_wrapper_of_special_const): test
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other special objects. [Bug #9381]

\* hash.c (rb\_any\_hash): fix Float hash. rb\_dbl\_hash() returns a Fixnum, but not a long. [Bug #9381]

## History

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### #1 - 01/08/2014 03:38 PM - nobu (Nobuyoshi Nakada)

- Description updated

- Status changed from Open to Assigned

- Assignee set to nobu (Nobuyoshi Nakada)

- Target version set to 2.2.0

- Backport changed from 1.9.3: UNKNOWN, 2.0.0: UNKNOWN, 2.1: UNKNOWN to 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: REQUIRED

### #2 - 01/08/2014 03:55 PM - nobu (Nobuyoshi Nakada)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset [r44525](#).

Nick, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

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object.c: hash value from objid with salt

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- object.c (rb\_obj\_hash): return same value as rb\_any\_hash(). fix [r44125](#). [Bug #9381]

### #3 - 02/20/2014 01:09 AM - naruse (Yui NARUSE)

- Backport changed from 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: REQUIRED to 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: DONE

### #4 - 02/21/2014 06:19 AM - nobu (Nobuyoshi Nakada)

- Description updated

### #5 - 07/29/2015 10:39 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: DONE to 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: REQUIRED, 2.2: REQUIRED

I re-fill Backport field for [r51425](#). I'm not sure if this is bugfix or feature change though.

**#6 - 08/14/2015 06:37 AM - nagachika (Tomoyuki Chikanaga)**

- Backport changed from 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: REQUIRED, 2.2: REQUIRED to 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: REQUIRED, 2.2: DONE

I additionally backport [r51425](#) into ruby\_2\_2 branch at r51572.

**#7 - 08/17/2015 08:53 AM - usa (Usaku NAKAMURA)**

- Backport changed from 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: REQUIRED, 2.2: DONE to 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: DONE, 2.2: DONE

ruby\_2\_1 r51613 merged revision(s) 51423,51425.