

Ruby - Bug #12291

Struct member accessor is not consistent with hash access when keys are repeated

04/15/2016 04:12 PM - jcole1989 (James Coleman)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.3.0p0 (2015-12-25 revision 53290) [x86_64-darwin15]	
Description		Backport: 2.1: REQUIRED, 2.2: DONE, 2.3: DONE
<pre>irb(main):001:0> foo = Struct.new(:a, :a).new("1", "2") => #<struct a="1", a="2"> irb(main):002:0> foo.a => "2" irb(main):003:0> foo['a'] => "1" irb(main):004:0> foo.members => [:a, :a] irb(main):005:0> foo.to_h => {:a=>"2"}</pre>		

Associated revisions

Revision da2e0721b1ba94e8e786224469fe4bf7550c996a - 04/16/2016 01:00 AM - nobu (Nobuyoshi Nakada)

struct.c: unique members

- struct.c (struct_make_members_list, rb_struct_s_def): member names should be unique. [ruby-core:74971] [Bug #12291]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@54612 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision da2e0721 - 04/16/2016 01:00 AM - nobu (Nobuyoshi Nakada)

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Revision 9dc33b83bb866e0bc0c4d67e32040b31d26e0738 - 04/18/2016 09:12 AM - naruse (Yui NARUSE)

merge revision(s) 54611,54612: [Backport #12291]

```
* struct.c (struct_make_members_list): extract making member name
list from char* va_list, with creating symbols without
intermediate IDs.
```

```
* struct.c (struct_make_members_list, rb_struct_s_def): member
names should be unique. [ruby-core:74971] [Bug #12291]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@54637 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 9dc33b83 - 04/18/2016 09:12 AM - naruse (Yui NARUSE)

merge revision(s) 54611,54612: [Backport #12291]

```
* struct.c (struct_make_members_list): extract making member name
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* struct.c (struct_make_members_list, rb_struct_s_def): member
names should be unique. [ruby-core:74971] [Bug #12291]
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@54637 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 88efadca4aea13b6c5f3cd4b39c932004d4a23e2 - 04/22/2016 06:59 AM - U.Nakamura

merge revision(s) 54611,54612: [Backport #12291]

```
* struct.c (struct_make_members_list): extract making member name
list from char* va_list, with creating symbols without
intermediate IDs.
```

```
* struct.c (struct_make_members_list, rb_struct_s_def): member
names should be unique. [ruby-core:74971] [Bug #12291]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_2@54685 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 88efadca - 04/22/2016 06:59 AM - U.Nakamura

merge revision(s) 54611,54612: [Backport #12291]

```
* struct.c (struct_make_members_list): extract making member name
list from char* va_list, with creating symbols without
intermediate IDs.
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_2@54685 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 04/15/2016 04:13 PM - jco1e1989 (James Coleman)

I would expect that foo['a'] and foo.a to return the same value.

#2 - 04/15/2016 04:25 PM - jkrmr (Jake Romer)

Interestingly, I'm seeing the following on ruby 2.0.0p648:

```
[1] pry(main)> foo = Struct.new(:a, :a).new("1", "2")
=> #<struct a="1", a="1">
```

#3 - 04/16/2016 12:57 AM - nobu (Nobuyoshi Nakada)

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

#4 - 04/16/2016 01:00 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset r54612.

struct.c: unique members

- struct.c (struct_make_members_list, rb_struct_s_def): member names should be unique. [\[ruby-core:74971\]](#) [Bug #12291]

#5 - 04/18/2016 09:13 AM - naruse (Yui NARUSE)

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

ruby_2_3 r54637 merged revision(s) 54611,54612.

#6 - 04/22/2016 06:59 AM - usa (Usaku NAKAMURA)

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

ruby_2_2 r54685 merged revision(s) 54611,54612.