

Ruby master - Bug #14314

Marshalling broken in Ruby 2.5.0 for Structs with keyword_init: true

01/04/2018 12:47 PM - jurriaan (Jurriaan Pruis)

Status: Closed	
Priority: Normal	
Assignee: k0kubun (Takashi Kokubun)	
Target version:	
ruby -v: ruby 2.5.0p0 (2017-12-25 revision 61468) [x86_64-linux]	Backport: 2.3: DONTNEED, 2.4: DONTNEED, 2.5: DONE
Description	
Steps to reproduce:	
<pre>irb(main):001:0> Foo = Struct.new(:foo) => Foo irb(main):002:0> Marshal.load(Marshal.dump(Foo.new('a'))) => #<struct Foo foo="a"> irb(main):003:0> Bar = Struct.new(:bar, keyword_init: true) => Bar(keyword_init: true) irb(main):004:0> Marshal.load(Marshal.dump(Bar.new(bar: 'a'))) Traceback (most recent call last): 3: from /home/jurriaan/.rubies/ruby-2.5.0/bin/irb:11:in `<main>' 2: from (irb):4 1: from (irb):4:in `load' ArgumentError (wrong number of arguments (given 1, expected 0)) I expected the keyword_init: true struct to unmarshal correctly. This issue is caused by marshal.c calling the struct initializer with regular arguments instead of keyword arguments.</pre>	

Associated revisions

Revision 26df9588 - 01/05/2018 11:44 AM - k0kubun (Takashi Kokubun)

marshal.c: allow marshalling keyword_init struct

struct.c: define rb_struct_s_keyword_init to shared with marshal.c

internal.h: add the declaration to be used by marshal.c

test/ruby/test_marshal.rb: add test for Bug#14314

[Feature #14314] [ruby-core:84629]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@61616 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 61616 - 01/05/2018 11:44 AM - k0kubun (Takashi Kokubun)

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Revision 15f641a5 - 02/16/2018 08:34 AM - naruse (Yui NARUSE)

merge revision(s) 61616: [Backport #14314]

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[Feature #14314] [ruby-core:84629]
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_5@62428 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 62428 - 02/16/2018 08:34 AM - naruse (Yui NARUSE)

merge revision(s) 61616: [Backport #14314]

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[Feature #14314] [ruby-core:84629]
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History

#1 - 01/04/2018 01:21 PM - jurriaan (Jurriaan Prujs)

- *Description updated*

#2 - 01/04/2018 02:37 PM - Hanmac (Hans Mackowiak)

ah yeah i see the problem

comparing the dump of the two cases, the dump doesn't know that the struct might need keyword_init (might not need to know?)

the problem is that its hard coded and can't be overwritten by own dump/load methods

<https://github.com/ruby/ruby/blob/trunk/marshal.c#L1792-L1830>

i think there need to be a check added if the struct wants keyword_init

#3 - 01/05/2018 11:44 AM - k0kubun (Takashi Kokubun)

- *Status changed from Open to Closed*

Applied in changeset [trunk|r61616](#).

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[Feature #14314] [ruby-core:84629]
```

#4 - 01/05/2018 11:45 AM - k0kubun (Takashi Kokubun)

- *Backport changed from 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN to 2.3: DONTNEED, 2.4: DONTNEED, 2.5: REQUIRED*

- *Assignee set to k0kubun (Takashi Kokubun)*

Thank you to catch this. I fixed this in r61616.

#5 - 01/05/2018 07:14 PM - shan (Shannon Skipper)

k0kubun (Takashi Kokubun) wrote:

Thank you to catch this. I fixed this in r61616.

Will this also fix YAML deserialization or is that a separate issue entirely?

#6 - 01/06/2018 01:14 AM - k0kubun (Takashi Kokubun)

Will this also fix YAML deserialization or is that a separate issue entirely?

Please file another issue for it.

#7 - 01/24/2018 09:13 PM - shan (Shannon Skipper)

The YAML issue has also been fixed on trunk.

#8 - 02/16/2018 08:34 AM - naruse (Yui NARUSE)

- Backport changed from 2.3: DONTNEED, 2.4: DONTNEED, 2.5: REQUIRED to 2.3: DONTNEED, 2.4: DONTNEED, 2.5: DONE

ruby_2_5 r62428 merged revision(s) 61616.

#9 - 10/11/2018 01:09 PM - k0kubun (Takashi Kokubun)

- Related to Feature #15222: Add a way to distinguish between Struct classes with and without keyword initializer added

#10 - 10/11/2018 01:09 PM - k0kubun (Takashi Kokubun)

- Related to deleted (Feature #15222: Add a way to distinguish between Struct classes with and without keyword initializer)