

## Ruby master - Bug #12923

### Accessing singleton\_class of fstring cause assertion failure

11/11/2016 05:57 PM - naruse (Yui NARUSE)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> matz (Yukihiro Matsumoto)	
<b>Target version:</b>	
<b>ruby -v:</b>	<b>Backport:</b> 2.2: DONTNEED, 2.3: DONE, 2.4: DONTNEED
<b>Description</b> Assertion Failed: string.c:343:register_fstring:RBASIC_CLASS(ret) == rb_cString  ./miniruby -e'#encoding:us-ascii' -e'ObjectSpace.each_object{ o  o.singleton_class if o.is_a?(String)}; "hoge".intern'  (1) rb_fstring frozen String (2) singleton_class RVALUE->klass singleton_class (3) String#intern 1. lookup_str_sym() (4) register_fstring "assert(RBASIC_CLASS(ret) == rb_cString);"  	
<b>Related issues:</b> Related to Ruby master - Bug #11386: taint flag about rb_fstring() <b>Closed</b> Related to Ruby master - Bug #12930: instance_eval, instance_exec raises Type... <b>Closed</b>	

#### Associated revisions

##### Revision ee160e68 - 11/12/2016 09:43 AM - nobu (Nobuyoshi Nakada)

class.c: no fstring singleton class

- class.c (singleton\_class\_of): prohibit fstrings from creating singleton classes. temporary measure for [ruby-dev:49867] [Bug #12923]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@56747 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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##### Revision c62ab010 - 11/12/2016 01:24 PM - nobu (Nobuyoshi Nakada)

test\_fstring.rb: fix exception

- test/-ext-/string/test\_fstring.rb (test\_singleton\_class): fix expected exception class. [ruby-dev:49867] [Bug #12923]

**Revision 56754 - 11/12/2016 01:24 PM - nobu (Nobuyoshi Nakada)**

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**Revision 56777 - 11/14/2016 05:17 AM - nobu (Nobuyoshi Nakada)**

vm\_eval.c: fstring instance\_eval

- vm\_eval.c (singleton\_class\_for\_eval): enable fstring singleton class for instance\_eval. [ruby-core:78116] [Bug #12930]

**Revision 018eeaf2 - 03/27/2017 03:08 PM - nagachika (Tomoyuki Chikanaga)**

merge revision(s) 56747,56754,56777: [Backport #12923] [Backport #12930] [Backport #13238]

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class.c: no fstring singleton class
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  singleton classes.
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  expected exception class. [ruby-dev:49867] [Bug #12923]
vm_eval.c: fstring instance_eval
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* vm_eval.c (singleton_class_for_eval): enable fstring singleton
  class for instance_eval. [ruby-core:78116] [Bug #12930]
```

**Revision 58157 - 03/27/2017 03:08 PM - nagachika (Tomoyuki Chikanaga)**

merge revision(s) 56747,56754,56777: [Backport #12923] [Backport #12930] [Backport #13238]

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* class.c (singleton_class_of): prohibit fstrings from creating
  singleton classes.
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* test/-ext-/string/test_fstring.rb (test_singleton_class): fix
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vm_eval.c: fstring instance_eval
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* vm_eval.c (singleton_class_for_eval): enable fstring singleton
  class for instance_eval. [ruby-core:78116] [Bug #12930]
```

## History

**#1 - 11/11/2016 06:02 PM - naruse (Yui NARUSE)**

- Related to Bug #11386: taint flag about rb\_fstring() added

**#2 - 11/12/2016 05:14 AM - nobu (Nobuyoshi Nakada)**

RBASIC\_CLASS rb\_obj\_class assertion

**#3 - 11/12/2016 09:43 AM - nobu (Nobuyoshi Nakada)**

- Status changed from Open to Closed

Applied in changeset r56747.

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**#4 - 11/12/2016 09:44 AM - nobu (Nobuyoshi Nakada)**

- Assignee set to matz (Yukihiro Matsumoto)

- Status changed from Closed to Assigned

```
SEGV fstring singleton class
frozen object singleton class
```

**#5 - 11/12/2016 01:24 PM - nobu (Nobuyoshi Nakada)**

- Status changed from Assigned to Closed

Applied in changeset r56754.

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test\_fstring.rb: fix exception

- test/-ext-/string/test\_fstring.rb (test\_singleton\_class): fix expected exception class. [ruby-dev:49867] [Bug #12923]

**#6 - 11/13/2016 10:12 PM - matsuda (Akira Matsuda)**

- Related to Bug #12930: instance\_eval, instance\_exec raises TypeError on a frozen String added

**#7 - 02/21/2017 03:35 PM - nobu (Nobuyoshi Nakada)**

- Backport changed from 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN to 2.2: DONTNEED, 2.3: REQUIRED, 2.4: DONTNEED

**#8 - 03/27/2017 12:24 PM - nagachika (Tomoyuki Chikanaga)**

- Backport changed from 2.2: DONTNEED, 2.3: REQUIRED, 2.4: DONTNEED to 2.2: DONTNEED, 2.3: WONTFIX, 2.4: DONTNEED

**#9 - 03/27/2017 02:52 PM - nagachika (Tomoyuki Chikanaga)**

- Backport changed from 2.2: DONTNEED, 2.3: WONTFIX, 2.4: DONTNEED to 2.2: DONTNEED, 2.3: REQUIRED, 2.4: REQUIRED

**#10 - 03/27/2017 03:09 PM - nagachika (Tomoyuki Chikanaga)**

- Backport changed from 2.2: DONTNEED, 2.3: REQUIRED, 2.4: REQUIRED to 2.2: DONTNEED, 2.3: DONE, 2.4: REQUIRED

ruby\_2\_3 r58157 merged revision(s) 56747,56754,56777.

**#11 - 03/27/2017 03:10 PM - nagachika (Tomoyuki Chikanaga)**

- Backport changed from 2.2: DONTNEED, 2.3: DONE, 2.4: REQUIRED to 2.2: DONTNEED, 2.3: DONE, 2.4: DONTNEED