

Ruby master - Feature #8035

singleton class should be included in ancestors

03/07/2013 01:51 AM - marcandre (Marc-Andre Lafortune)

Status:	Closed	
Priority:	Normal	
Assignee:	matz (Yukihiro Matsumoto)	
Target version:	2.1.0	
Description		
I feel it would be consistent if:		
<pre>k.ancestors.include?(k) #=> always true if k.is_a?(Class)</pre>		
This is currently the case except for singleton classes:		
<pre>class << ""; include Enumerable; end.ancestors # => [Enumerable, String, Comparable, Object, Kernel, BasicObject] # would be more consistent: # => [#<Class:#<String:0x0000010113d268>>, Enumerable, String, Comparable, Object, Kernel, BasicObject]</pre>		
Note that the singleton classes do appear in the ancestors if a module is instead prepended:		
<pre>class << ""; prepend Enumerable; end.ancestors # => [Enumerable, #<Class:#<String:0x0000010113d268>>, String, Comparable, Object, Kernel, BasicObject]</pre>		
Thanks		
Related issues:		
Related to Ruby master - Bug #8166: Since r39628 rspec-mock's and_call_origin...		Rejected 03/27/2013

Associated revisions

Revision dfde34cb - 03/07/2013 05:54 PM - marcandre (Marc-Andre Lafortune)

- class.c (rb_mod_ancestors): Include singleton_class in ancestors list [Feature #8035]
- test/ruby/test_module.rb (class): test for above
- test/ruby/marshaltestlib.rb (module): adapt test
- NEWS: list change

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39628 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 39628 - 03/07/2013 05:54 PM - marcandre (Marc-Andre Lafortune)

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Revision 246102b5 - 03/30/2013 03:03 AM - marcandre (Marc-Andre Lafortune)

- NEWS: Be more precise about singleton_class.ancestors change [Feature #8035]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@40004 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 40004 - 03/30/2013 03:03 AM - marcandre (Marc-Andre Lafortune)

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History

#1 - 03/07/2013 04:21 AM - alexeymuranov (Alexey Muranov)

Singleton class it the same thing as metaclass, right? I feel it would be better to keep it invisible, and maybe in the future to remove it completely and to allow objects to keep their singleton methods themselves.

#2 - 03/07/2013 10:19 PM - matz (Yukihiro Matsumoto)

Agreed. I will accept it unless any other compatibility problem raises.

Matz.

#3 - 03/08/2013 02:54 AM - marcandre (Marc-Andre Lafortune)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r39628.
Marc-Andre, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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