Ruby master - Bug #6722
Weird behavior of defined?(super) check invoked from a metaprogrammatically defined class method

07/11/2012 07:59 PM - alexisowl (Alexey Smolianinov)

Status: Closed
Priority: Normal
Assignee: 
Target version: 2.0.0
ruby -v: ruby 1.9.3p0 (2011-10-30 revision 33570) [i686-linux]
Backport: 

Description
=begin
Hi guys,
Sorry for the duplicate - I already reported (()))
2 weeks ago, but didn't receive any answer.
I had mistakenly assigned "target version", maybe that was the reason of no response? Please let me know if my bug report is wrong or irrelevant in any other respect.

Here's a link to the discussion of the issue on stackoverflow:
((URL:http://stackoverflow.com/questions/11180909))

Bellow is my initial description:
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Lately I came across some weird behavior with the (({defined?})) operator used to check if (({super})) keyword can be invoked in current context. Usually it works fine, but when I tried to combine the (({defined? super})) check with a tiny bit of metaprogramming, it gave me unexpected results.

class A;
def self.def_f!;
    singleton_class.send(:define_method, :f) { defined? super }
end
end
class AA < A; end
A.def_f!
A.f # => nil
AA.f # => nil
AA.def_f!
AA.f # => "super"
A.f # => "super" - WHY???
The last result is really strange, isn't it?

(({(A.f)}) has no super method, so I would expect the last ((({A.f}))) to return (((nil)))).
=end

Related issues:
Is duplicate of Ruby master - Bug #6644: Weird behavior of defined?(super) ch... Closed 06/25/2012

History
#1 - 07/12/2012 05:11 AM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Closed

08/06/2021
This issue was solved with changeset r36369.
Alexey, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

defined: me in cfp
  • insns.def (defined): use method entry and id in cfp for proper superclass, since klass in iseq is shared by dynamically defined methods from the same block. [ruby-core:45691][Bug #6644]

#2 - 07/12/2012 05:38 AM - nobu (Nobuyoshi Nakada)
  - Category set to core
  - Target version set to 2.0.0
  - % Done changed from 0 to 100