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]

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:

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" - WHYYYY?

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

09/11/2021
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:45831][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