Ruby trunk - Feature #3511

rb_path_to_class should call custom const_defined? methods

07/01/2010 07:00 AM - tenderlovemaking (Aaron Patterson)

Status:	Closed
Priority:	Normal
Assignee:	
Target version:	

Description

=begin
It would be nice if rb_path_to_class called custom const_defined? methods. This would give marshaled objects a chance to locate and define classes when they are being unmarshalled.

I've attached a patch with a test that demonstrates the desired functionality and a (probably naive) implementation.
=end

History

#1 - 03/18/2012 05:39 PM - nahi (Hiroshi Nakamura)

- Description updated

- Status changed from Open to Feedback

Aaron, is this hook extension still needed for your usecase? (assuming Rails?)

Not bad but it would affect performance...

#2 - 11/20/2012 09:14 PM - mame (Yusuke Endoh)

- Target version set to 2.6

#3 - 06/19/2016 12:34 AM - oggy (George Ogata)

Hiroshi Nakamura wrote:

> Aaron, is this hook extension still needed for your usecase? (assuming Rails?)
>
> Not bad but it would affect performance...

Would this idea still be considered? I find this issue comes up fairly frequently in Rails apps when an object is serialized and deserialized in a separate process.

I think the performance problem could be addressed by keeping the rb_const_defined call, and then only if that fails try the rb_funcall. WDYT?

#4 - 07/05/2016 04:48 AM - oggy (George Ogata)

- File marshal-dynamic.patch added

I've attached an updated patch for current ruby trunk, which I think is a little more consistent with non-lazily-defined constant lookup. Also simplified the test case a little.

#5 - 08/09/2016 07:40 AM - matz (Yukihiro Matsumoto)

- Status changed from Feedback to Closed

This is kind of autoload that sometimes cause problems.
I think it can cause issues than solving problem.
If you have a concrete use-case of this feature, please reopen.

Matz.

#6 - 09/07/2016 12:03 AM - oggy (George Ogata)

Thanks for considering!

I've opened a new ticket and described my concrete use case, as I don't see a way to reopen this one.

https://bugs.ruby-lang.org/issues/12731

Files

rb_path_to_class.patch	1.67 KB	07/01/2010	tenderlovemaking (Aaron Patterson)
marshal-dynamic.patch	1.81 KB	07/05/2016	oggy (George Ogata)