

Ruby master - Bug #2365

Matrix: poor handling of coercion errors [patch]

11/14/2009 10:35 AM - marcandre (Marc-Andre Lafortune)

Status: Closed	
Priority: Normal	
Assignee: marcandre (Marc-Andre Lafortune)	
Target version: 1.9.2	
ruby -v: ruby 1.9.2dev (2009-11-08 trunk 25690) [x86_64-darwin10.0.0]	Backport:
Description =begin rubydev -r matrix -e 'p Matrix.l(2) - nil' /usr/local/rubydev/lib/ruby/1.9.1/matrix.rb:533:in -: undefined methodcoerce' for nil:NilClass (NoMethodError) from -e:1:in `' Expected: some_where_in_the/matrix.rb:in -: nil can't be coerced into Matrix (TypeError) from -e:1:in`' Same situation with Vector. I'd be grateful if you could confirm the attached patch is ok. =end	

History

#1 - 11/26/2009 08:46 PM - ujihisa (Tatsuhiko Ujihisa)

- Status changed from Open to Assigned

=begin

=end

#2 - 03/29/2010 06:38 PM - keiju (Keiju Ishitsuka)

- Status changed from Assigned to Rejected

=begin

This behavior is the same as an integer:

```
% ruby-dev -r matrix -e "p 2 - nil"  
-e:1:in -: nil can't be coerced into Fixnum (TypeError)  
from -e:1:in`'
```

I think that these behavior is Ruby's standard behavior.

=end

#3 - 03/30/2010 12:43 AM - runpaint (Run Paint Run Run)

=begin

This behavior is the same as an integer:

```
% ruby-dev -r matrix -e "p 2 - nil"  
-e:1:in -: nil can't be coerced into Fixnum (TypeError)  
from -e:1:in`'
```

I think that these behavior is Ruby's standard behavior.

As Marc-André explained, the behaviour is demonstrably different: Integer, correctly, raises a TypeError, whereas Matrix raises a NoMethodError. The latter is misleading because it exposes an irrelevant implementation detail (the use of #coerce) rather than describing the problem from the caller's perspective. The message associated with the exception is similarly wanting.

=end

#4 - 03/30/2010 01:14 AM - marcandre (Marc-Andre Lafortune)

- Status changed from Rejected to Open

=begin
Reopening the issue.

I feel frustration at such an unsatisfactory answer, coming 4 months after this simple request.

I wonder why Keiju insists on remaining maintainer.
=end

#5 - 03/30/2010 01:50 AM - mame (Yusuke Endoh)

=begin
Hi,

2010/3/30 Marc-Andre Lafortune redmine@ruby-lang.org:

Reopening the issue.

I feel frustration at such an unsatisfactory answer, coming 4 months after this simple request.

Think about something nice :-)
In any way, he finally answered the ticket before spec freezing.

I guess he just misunderstood the report. I believe that he'll notice and correct his wrong answer soon.

--
Yusuke ENDOH mame@tsg.ne.jp

=end

#6 - 03/30/2010 03:23 AM - mame (Yusuke Endoh)

=begin
Hi, Marc-Andre

Are you willing to become a maintainer for matrix?

If so, I'll suggest Keiju resign, and ask matz's views whether you are accepted as a new maintainer for matrix.

--
Yusuke ENDOH mame@tsg.ne.jp

=end

#7 - 03/30/2010 02:48 PM - matz (Yukihiko Matsumoto)

=begin
Hi,

In message "Re: [ruby-core:29113] Re: [Bug #2365](#) Matrix: poor handling of coercion errors [patch]" on Tue, 30 Mar 2010 03:22:56 +0900, Yusuke ENDOH mame@tsg.ne.jp writes:

|Are you willing to become a maintainer for matrix?
|
|If so, I'll suggest Keiju resign, and ask matz's views whether
|you are accepted as a new maintainer for matrix.

I agree. For 1.9.2, I don't think we have no time to update the external API.

matz.

=end

#8 - 03/30/2010 11:38 PM - mame (Yusuke Endoh)

=begin
Hi, Marc-Andre

In [ruby-dev:40847], [ruby-dev:40849] and [ruby-core:29127], Keiju and matz agreed with maintainer delegation to Marc-Andre. So, you are now the maintainer for matrix.rb. Congrats!

<http://redmine.ruby-lang.org/wiki/ruby/Maintainers>

Keiju said that he was ambitious to rewrite matrix.rb in C, and that he hoped you would take over it. IMO, there is room to discuss about it, but I let you know that.

Note: Keiju continues to play the role of maintainer for other libraries that he has maintained, such as irb, mathn, e2mmap, etc.

--

Yusuke Endoh mame@tsg.ne.jp

=end

#9 - 03/31/2010 06:37 AM - marcandre (Marc-Andre Lafortune)

- Status changed from *Open* to *Assigned*

- Assignee changed from *keiju (Keiju Ishitsuka)* to *marcandre (Marc-Andre Lafortune)*

=begin

=end

#10 - 04/12/2010 03:37 AM - marcandre (Marc-Andre Lafortune)

- Status changed from *Assigned* to *Closed*

- % Done changed from *0* to *100*

=begin

This issue was solved with changeset r27311.
Marc-Andre, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

=end

Files

matrix_coercion.diff	3.76 KB	11/14/2009	marcandre (Marc-Andre Lafortune)
----------------------	---------	------------	----------------------------------