

Ruby - Bug #17419

`binding.eval` backtrace diferente

12/21/2020 05:38 PM - vo.x (Vit Ondruch)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 3.0.0rc1 (2020-12-20 master 8680ae9cbd) [x86_64-linux]	Backport: 2.5: UNKNOWN, 2.6: UNKNOWN, 2.7: UNKNOWN
Description		
Can somebody elaborate why there is different output for Ruby 2.7 vs Ruby 3.0?		
<pre>\$ ruby -v ruby 2.7.2p137 (2020-10-01 revision 5445e04352) [x86_64-linux] \$ ruby -e ' begin binding.eval(% raise "oops") rescue Exception => exc puts exc.backtrace end ' -e:3:in `<main>': -e:3:in `eval' -e:3:in `<main>'  \$ ruby -v ruby 3.0.0rc1 (2020-12-20 master 8680ae9cbd) [x86_64-linux]  \$ ruby -e ' begin binding.eval(% raise "oops" ) rescue Exception => exc puts exc.backtrace end ' (eval):1:in `<main>': -e:3:in `eval' -e:3:in `<main>'</main></main></main></main></pre>		
IOW the first line of backtrace is different. Is this expected? This is causing test failures:		
https://github.com/rails/web-console/issues/301		
Related issues:		
Related to Ruby - Bug #17160: Wrong exception backtrace		Rejected

Associated revisions

Revision 4a18cc7f604c259415d933acd9fd00234733cab6 - 12/22/2020 12:04 AM - mame (Yusuke Endoh)

NEWS.md: mention the behavior change of Binding#eval

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Revision 4a18cc7f604c259415d933acd9fd00234733cab6 - 12/22/2020 12:04 AM - mame (Yusuke Endoh)

NEWS.md: mention the behavior change of Binding#eval

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History

#1 - 12/21/2020 05:44 PM - vo.x (Vit Ondruch)

- *Related to Bug #17160: Wrong exception backtrace added*

#2 - 12/21/2020 07:10 PM - shevegen (Robert A. Heiler)

I think this is an intended change; it was explained via a link to a comment in another issue (I think by mame or someone else, where matz commented on reverting the behaviour). If I remember the reason, the changed backtrace confused many ruby users over the years, and it seemed better to go back to the state prior to the change, hopefully lessening the confusion in the process. :D

(Not sure if NEWS mentions this, but if not then perhaps a link should be there, or just a short explanation in NEWS itself.)

#3 - 12/21/2020 07:12 PM - jeremyevans0 (Jeremy Evans)

- *Status changed from Open to Closed*

This change is expected, see [#4352](#).

#4 - 12/22/2020 12:11 AM - mame (Yusuke Endoh)

Replacing `b.eval(src)` with `b.eval(src, *b.source_location)` will solve the issue.

However, [#4352](#) focused on only Kernel#eval. I was not aware about the behavior change of Binding#eval. I've just added an explanation to NEWS.md at 4a18cc7f604c259415d933acd9fd00234733cab6.