Ruby master - Bug #7815

Backport: Warning about TracePoint events to 2.0.0

02/10/2013 01:01 AM - zzak (Zachary Scott)

| Status: | Closed |
| Priority: | Normal |
| Assignee: | zzak (Zachary Scott) |
| Target version: | 2.0.0 |

**Description**

Can we please backport r39168 to 2.0.0 branch?

[https://github.com/ruby/ruby/commit/810516e](https://github.com/ruby/ruby/commit/810516e) and [https://github.com/ruby/ruby/commit/810516e.patch](https://github.com/ruby/ruby/commit/810516e.patch)

**Associated revisions**

Revision aea2c7ca - 02/14/2013 04:17 AM - zzak (Zachary Scott)

- Backport r39168 Warning about TracePoint events to 2.0.0
  [ruby-core:52073] [Bug #7815]
  vm_trace.c: note about TracePoint events set

**History**

#1 - 02/10/2013 01:05 AM - ko1 (Koichi Sasada)

mame-san:

This additional document is important to avoid future compatibility issue.

  - * Note do not depend on current event set, as this list is subject to change. Instead, it is recommended you specify the type of events you want to use.

Please see a problem of `set_trace_func`
[http://www.atdot.net/~ko1/diary/201212.html#d12](http://www.atdot.net/~ko1/diary/201212.html#d12)
(sorry, it is written in Japanese).

#2 - 02/10/2013 09:24 AM - mame (Yusuke Endoh)

Almost okay (because of only rdoc fix) but the line may matter:

  - * Note: this method is obsolete, please use TracePoint instead.

Suddenly making it obsolete is not a good idea after rc2, I think.
Or, is it really discussed and decided by matz?

In addition, `Thread#set_trace_func` should not refer the obsolete method:

  - * See Kernel#set_trace_func.

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Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

#3 - 02/10/2013 09:48 AM - zzak (Zachary Scott)

Thank you for the review Yusuke-san!
In my opinion Kernel#set_trace_func is obsolete, because it's an older and outdated API for TracePoint. We should recommend users try TracePoint instead, but it's not an officially deprecated feature. Ok?

In addition, Thread#set_trace_func should not refer the obsolete method
There is a bug in TracePoint spec where you cannot specify listen for a target thread, so Thread#set_trace_func is still acceptable API and preferred method for doing this. In this case, referring to Kernel#set_trace_func still applies because it carries additional api on this API. Until TracePoint spec is fixed, we can still cross-reference #set_trace_func.

If you'd like I can supply a patch only for warning on TracePoint events, it's up to you.

#4 - 02/10/2013 10:18 AM - mame (Yusuke Endoh)
zzak (Zachary Scott) wrote:

In my opinion Kernel#set_trace_func is obsolete, because it's an older and outdated API for TracePoint. We should recommend users try TracePoint instead, but it's not an officially deprecated feature. Ok?

I don't know. It is officially deprecated only if matz approve the deprecation. Ko1, do you know?

Also, I'm afraid if TracePoint is not mature enough to deprecate Kernel#set_trace_func immediately. So I think it would be good to include both in 2.0.0.

... In addition, Thread#set_trace_func should not refer the obsolete method
There is a bug in TracePoint spec where you cannot specify listen for a target thread, so Thread#set_trace_func is still acceptable API and preferred method for doing this. In this case, referring to Kernel#set_trace_func still applies because it carries additional api on this API. Until TracePoint spec is fixed, we can still cross-reference #set_trace_func.

Yes I know. My opinion is just a matter of form; it looks strange to me that the rdoc of a method that is not deprecated yet depends on a deprecated method's.

If you'd like I can supply a patch only for warning on TracePoint events, it's up to you.

I prefer this, unless matz officially deprecated only Kernel#set_trace_func. Thanks!

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Yusuke Endoh mame@tsg.ne.jp

#5 - 02/10/2013 01:53 PM - ko1 (Koichi Sasada)
(2013/02/10 10:19), mame (Yusuke Endoh) wrote:

If you'd like I can supply a patch only for warning on TracePoint events, it's up to you.
I prefer this, unless matz officially deprecated only Kernel#set_trace_func. Thanks!

+1

One more point:
zzak uses obsolete' and mame uses deprecated'.

zzak wants to say recommend to use TracePoint' by the word obsolete'.
But people think this word as 'deprecated' like mame-san.

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// SASADA Koichi at atdot dot net

#6 - 02/10/2013 02:43 PM - zzak (Zachary Scott)
- Status changed from Open to Assigned

It is as Koichi-san says, I don't mean to deprecate Kernel#set_trace_func. Only to advise users to try TracePoint for new programs, since #set_trace_func is the old API.

Anyways, here's the patch for only the warning, I'm not sure how to commit to separate branches in svn. Yusuke-san, do you think you can do this for me?

https://github.com/zzak/ruby/commit/4bc46c4.patch
Thanks!

#7 - 02/10/2013 04:32 PM - mame (Yusuke Endoh)
- Assignee changed from mame (Yusuke Endoh) to zzak (Zachary Scott)

Looks good to me. Go ahead. Thank you!

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Yusuke Endoh mame@tsg.ne.jp

#8 - 02/14/2013 01:19 PM - zzak (Zachary Scott)
- Status changed from Assigned to Closed

Resolved by r39237