

## Ruby trunk - Bug #13163

### Uncaught exceptions may not be reported when Thread#report\_on\_exception=true and Thread#abort\_on\_exception=true

01/27/2017 06:13 AM - tagomoris (Satoshi TAGOMORI)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> nobu (Nobuyoshi Nakada)	
<b>Target version:</b>	
<b>ruby -v:</b>	<b>Backport:</b> 2.2: DONTNEED, 2.3: DONTNEED, 2.4: DONE
<b>Description</b>	
<p>When we set true on both of Thread#report_on_exception and Thread#abort_on_exception, it just works as Thread#abort_on_exception and raised error will be re-raised in main thread. But in our case, main thread sometimes in begin-rescue clause, or sometimes out of begin-rescue clause. When main thread in begin-rescue clause (and main thread code may raise errors in their own business), we cannot know that threads are dead by errors.</p> <p>What I expected by specifying both of Thread#report_on_exception=true and Thread#abort_on_exception=true:</p> <ul style="list-style-type: none"><li>• "Thread terminated with exception" is reported always (even if Thread#abort_on_exception is set)</li><li>• Raised error is re-raised in main thread if Thread#abort_on_exception is true</li></ul> <p>How do you think about this idea?</p>	

#### Associated revisions

##### Revision ab81cc4d - 09/19/2017 02:42 AM - nobu (Nobuyoshi Nakada)

thread.c: report then abort

- thread.c (thread\_start\_func\_2): report then abort on exception, if both are set. [ruby-core:79280] [Bug #13163]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59963 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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##### Revision 3c35067c - 03/10/2018 02:32 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 59963: [Backport #13163]

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thread.c: report then abort
```

```
* thread.c (thread_start_func_2): report then abort on exception,  
if both are set. [ruby-core:79280] [Bug #13163]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_4@62711 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 62711 - 03/10/2018 02:32 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 59963: [Backport #13163]

thread.c: report then abort

```
* thread.c (thread_start_func_2): report then abort on exception,  
if both are set. [ruby-core:79280] [Bug #13163]
```

## History

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### #1 - 04/18/2017 04:20 AM - shyouhei (Shyouhei Urabe)

No objection.

### #2 - 09/16/2017 02:25 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Feedback

- Description updated

Isn't this a bug?

<https://github.com/nobu/ruby/tree/bug/13163-report-before-abort-on-exception>

### #3 - 09/16/2017 02:47 PM - Eregon (Benoit Daloze)

+1

The patch looks good.

The message of the assert\_warn should be changed though.

### #4 - 09/19/2017 02:02 AM - naruse (Yui NARUSE)

- Backport set to 2.2: DONTNEED, 2.3: REQUIRED, 2.4: REQUIRED

- Assignee set to nobu (Nobuyoshi Nakada)

- Status changed from Feedback to Assigned

- Tracker changed from Misc to Bug

Hmm, indeed this seems considered a bug.

[nobu \(Nobuyoshi Nakada\)](#) Could you commit it?

### #5 - 09/19/2017 02:42 AM - nobu (Nobuyoshi Nakada)

- Status changed from Assigned to Closed

Applied in changeset [trunk|r59963](#).

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thread.c: report then abort

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### #6 - 10/15/2017 05:50 PM - Eregon (Benoit Daloze)

- Backport changed from 2.2: DONTNEED, 2.3: REQUIRED, 2.4: REQUIRED to 2.2: DONTNEED, 2.3: DONTNEED, 2.4: REQUIRED

I believe we only need a 2.4 backport, Thread#report\_on\_exception is only defined from Ruby 2.4+.

### #7 - 03/10/2018 02:33 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.2: DONTNEED, 2.3: DONTNEED, 2.4: REQUIRED to 2.2: DONTNEED, 2.3: DONTNEED, 2.4: DONE

ruby\_2\_4 r62711 merged revision(s) 59963.