

Ruby master - Bug #17094

PTY methods with blocks

07/31/2020 05:44 AM - soutaro (Soutaro Matsumoto)

Status: Closed	
Priority: Normal	
Assignee:	
Target version:	
ruby -v:	Backport: 2.5: UNKNOWN, 2.6: UNKNOWN, 2.7: UNKNOWN

Description

Some methods on PTY yield one array if a block is given, but the RDoc says it passes two arguments to the block.

<https://github.com/ruby/ruby/blob/master/ext/pty/pty.c#L529>

```
return rb_ensure(rb_yield, assoc, pty_close_pty, assoc);
```

<https://github.com/ruby/ruby/blob/master/ext/pty/pty.c#L467>

```
* PTY.open {|master_io, slave_file| ... } => block value
```

I'd like to propose to fix the implementation. However, it would make more sense to fix the docs because of potential incompatibilities.

Associated revisions

Revision 9e25eb30 - 08/24/2020 11:09 PM - jeremyevans (Jeremy Evans)

Update PTY.open documentation to document it yields a single argument [ci skip]

For a regular block, accepting two arguments is fine as the array will be autosplatted. However, a lambda that accepts two arguments will not work.

We could change the implementation to yield two arguments instead of an array with a single argument, but that would be less backwards compatible.

I'm only changing the call-seq to be precise, other examples pass a literal block that accepts two arguments, and I left those alone as that will be the most common usage.

Fixes [Bug #17094]

History

#1 - 07/31/2020 07:39 AM - nobu (Nobuyoshi Nakada)

As it can be incompatible only when passing a lambda, I don't think it is a serious problem.

#2 - 08/01/2020 10:31 AM - soutaro (Soutaro Matsumoto)

Runtime testing of RBS uncovered this issue.

<https://github.com/ruby/rbs/pull/346#issuecomment-665817340>

The RDoc implies the type of `(*String) { (IO, IO) -> void } -> void`, but the implementation is `(*String) { ([IO, IO]) -> void } -> void`. And runtime type checking detected the issue.

Maybe we can fix the RBS runtime type checking then.

#3 - 08/24/2020 11:11 PM - jeremyevans (Jeremy Evans)

- Status changed from Open to Closed

Applied in changeset [git|9e25eb308d4fae9a10e120c2b4601916cc38336c](https://github.com/ruby/ruby/commit/9e25eb308d4fae9a10e120c2b4601916cc38336c).

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Fixes [Bug [#17094](#)]

#4 - 08/25/2020 01:46 AM - sawa (Tsuyoshi Sawada)

- *Description updated*