3.1 documentation problems tracking ticket

12/11/2021 04:50 PM - zverok (Victor Shepelev)

| Status: | Open |
| Priority: | Normal |
| Assignee: | |

**Description**

So far, comparing the NEWS.md to actual documentation at [https://docs.ruby-lang.org/en/master/](https://docs.ruby-lang.org/en/master/), I identified the following problems:

- **Random::Formatter**: the explanations of how to use it are murky, examples do show just context-less examples like `prng.hex(10)`

Merged:

- **Hash/keyword argument value omission**—completely undocumented. PR: [https://github.com/ruby/ruby/pull/5244](https://github.com/ruby/ruby/pull/5244) Merged
- **Queue::new** should be rewritten (bad rendering for example, non-informative parameter name). PR: [https://github.com/ruby/ruby/pull/5273](https://github.com/ruby/ruby/pull/5273) Merged
- **Thread::Backtrace limit isn’t mentioned anywhere** (Thread::Backtrace doesn’t even have its own page, only Thread::Backtrace::Location has). PR: [https://github.com/ruby/ruby/pull/5305](https://github.com/ruby/ruby/pull/5305) Merged
- **Fiber::SchedulerInterface**—no docs for new methods supported: address_resolve, timeout_after, io_read, io_write. PR: [https://github.com/ruby/ruby/pull/5280](https://github.com/ruby/ruby/pull/5280) Merged
- **New Refinement class has no docs whatsoever**. PR: [https://github.com/ruby/ruby/pull/5272](https://github.com/ruby/ruby/pull/5272) Merged
- **Struct#keyword_init?** isn’t mentioned anywhere. PR: [https://github.com/ruby/ruby/pull/5279](https://github.com/ruby/ruby/pull/5279) Merged
- **GC::measure_total_time, GC::measure_total_time=, GC::total_time isn’t mentioned anywhere. UPD: was just a documentation rendering glitch.** PR: [https://github.com/ruby/ruby/pull/5306](https://github.com/ruby/ruby/pull/5306) Merged
- **String#unpack and #unpack1**—new offset param examples are given too early, before the main examples. unpack1 also has code formatting glitch. PR: [https://github.com/ruby/ruby/pull/5331](https://github.com/ruby/ruby/pull/5331) Merged
- **Marshal#load**—the new parameter freeze: is not documented. PR: [https://github.com/ruby/ruby/pull/5332](https://github.com/ruby/ruby/pull/5332) Merged
- **IO::Buffer**—no docs. PR: [https://github.com/ruby/ruby/pull/5302](https://github.com/ruby/ruby/pull/5302) Merged by hand by ioquatix (Samuel Williams)

Small glitches in new docs:

- **Process._fork**—formatting of tt. PR: [https://github.com/ruby/ruby/pull/5270](https://github.com/ruby/ruby/pull/5270) Merged
- **Integer#try_convert**—small typo: "Returns nil if object does not respond to :to_ary" (should be :to_int). Fixed already.

I'll try to address as much as I'll be able myself, but if some of the feature authors/other volunteers are willing to participate, I'll be glad :):

The ticket might be expanded if I'll notice something else.

**History**

#1 - 12/11/2021 08:31 PM - ioquatix (Samuel Williams)

IO::Buffer is also totally undocumented.

#2 - 12/11/2021 08:42 PM - zverok (Victor Shepelev)

ioquatix (Samuel Williams) oh, indeed. And new methods that can/should be supported by the scheduler aren't yet in the SchedulerInterface :(

#3 - 12/12/2021 12:56 PM - zverok (Victor Shepelev)

- Description updated

#4 - 12/12/2021 01:32 PM - zverok (Victor Shepelev)

- Description updated

#5 - 12/14/2021 03:34 PM - matheusrich (Matheus Richard)

zverok (Victor Shepelev) LMK if I can help you. I'm available matheusrich (Matheus Richard) on Twitter.

#6 - 12/14/2021 04:08 PM - zverok (Victor Shepelev)

matheusrich (Matheus Richard) if you are willing to participate, let's coordinate efforts here for better visibility :)
Are you willing to write some docs yourself? You'll need to fork ruby repo, make a local branch, fix docs, check them locally (you can run rdoc -o _rdoc_test to render them into a separate folder; you also can run rdoc some_file.c -o rdoc_test to render them quicker from only one file), and then make a PR to the original repo.

Which part you'd like to handle?

#7 - 12/14/2021 04:15 PM - matheusrich (Matheus Richard)
I wanna take the easiest one (documenting Struct#keyword_init) to get my feet wet.

#8 - 12/14/2021 04:17 PM - matheusrich (Matheus Richard)
I can also tackle the small glitches/typos you last mentioned.

#9 - 12/14/2021 04:38 PM - zverok (Victor Shepelev)
That would be awesome! Thanks!

#10 - 12/14/2021 04:53 PM - matheusrich (Matheus Richard)
First PR is out: PR #5268 (merged)

#11 - 12/14/2021 05:25 PM - matheusrich (Matheus Richard)
Fix docs rendering for Process. fork #5270 (merged)

#12 - 12/14/2021 05:58 PM - matheusrich (Matheus Richard)
there's a reference to keyword_init on Struct here (if the link doesn't work, it's right above "Public Instance Methods"). Am I missing something?

#13 - 12/14/2021 07:37 PM - zverok (Victor Shepelev)
I'll look into the PRs in a few hours, thanks! About Struct: we need documentation for this method:

MyStruct = Struct.new(a, :b, keyword_init: true)
# => MyStruct(keyword_init: true)
MyStruct.keyword_init? # === this one
# => true

#14 - 12/14/2021 10:10 PM - zverok (Victor Shepelev)
- Description updated

#15 - 12/14/2021 10:24 PM - zverok (Victor Shepelev)
- Description updated

#16 - 12/15/2021 10:02 AM - zverok (Victor Shepelev)
- Description updated

#17 - 12/15/2021 03:43 PM - matheusrich (Matheus Richard)
Gotcha! Thanks. I couldn't make it show up on the docs, though.

The docs are definitely there (struct.c:288)

```ruby
/*
 * call-seq:
 *   StructClass.keyword_init? -> true or false
 *
 * Returns true if the class was initialized with +keyword_init: true+. Otherwise returns false.
 *
 * Examples:
 *   Foo = Struct.new(:a)
 *   Foo.keyword_init? # => nil
 *   Bar = Struct.new(:a, keyword_init: true)
 *   Bar.keyword_init? # => true
 *   Baz = Struct.new(:a, keyword_init: false)
 *   Baz.keyword_init? # => false
 */
#define rb_struct_s_keyword_init_p rb_struct_s_keyword_init
```

03/20/2022
I'm not super familiar with C, so I may be missing something. I wonder if the docs are not present because this method is defined on the singleton class, not on the Struct class itself. If that's the case, maybe we can just add a reference to it on the Keyword Argument section.

#18 - 12/15/2021 03:54 PM - zverok (Victor Shepelev)
OK, I'll try to fight it, there are quite a few weird tricks that might help

#19 - 12/15/2021 04:05 PM - matheusrich (Matheus Richard)
On another semi-unrelated note, isn't weird that this method returns nil sometimes (e.g. Struct.new(:a).keyword_init? # => nil)? Is there any precedence for a question mark method returning nil? I know nil is falsey, but this might be confusing.

Edit: looks like File.size? does that.

#20 - 12/15/2021 10:04 PM - zverok (Victor Shepelev)
- Description updated

#21 - 12/15/2021 10:04 PM - zverok (Victor Shepelev)
- Description updated

#22 - 12/15/2021 10:35 PM - zverok (Victor Shepelev)
- Description updated

#23 - 12/19/2021 06:44 PM - zverok (Victor Shepelev)
- Description updated

#24 - 12/19/2021 07:13 PM - zverok (Victor Shepelev)
- Description updated

#25 - 12/20/2021 07:09 AM - zverok (Victor Shepelev)
- Description updated

#26 - 12/20/2021 07:28 AM - zverok (Victor Shepelev)
- Description updated

#27 - 12/21/2021 06:35 AM - zverok (Victor Shepelev)
- Description updated

#28 - 12/21/2021 07:37 AM - zverok (Victor Shepelev)
- Description updated

#29 - 12/23/2021 07:37 PM - zverok (Victor Shepelev)
- Description updated

#30 - 12/23/2021 08:10 PM - zverok (Victor Shepelev)
- Description updated

#31 - 12/23/2021 11:40 PM - zverok (Victor Shepelev)
- Description updated

#32 - 12/23/2021 11:41 PM - zverok (Victor Shepelev)
Folks, maybe that's not obvious but I don't have commit rights. So, unless somebody merges the PRs that are listed above—the docs for those features will be missing.

cc nobu (Nobuyoshi Nakada) (I don't know who else I should tag, please advise)

#33 - 12/24/2021 03:59 PM - zverok (Victor Shepelev)
- Description updated