The next dev meeting

Date: 2021/10/21 13:00-17:00 +09:00
Place/Sign-up/Agenda/Log: https://github.com/ruby/dev-meeting-log/blob/master/DevelopersMeeting20211021Japan.md

- Dev meeting IS NOT a decision-making place. All decisions should be done at the bug tracker.
- Dev meeting is a place we can ask Matz, nobu, nurse and other developers directly.
- Matz is a very busy person. Take this opportunity to ask him. If you can not attend, other attendees can ask instead of you (if attendees can understand your issue).
- We will write a log about the discussion to a file or to each ticket in English.
- All activities are best-effort (keep in mind that most of us are volunteer developers).
- The date, time and place are scheduled according to when/where we can reserve Matz's time.
- DO NOT discuss then on this ticket, please.

Call for agenda items

If you have a ticket that you want matz and committers to discuss, please post it into this ticket in the following format:

* [Ticket ref] Ticket title (your name)
  * Comment (A summary of the ticket, why you put this ticket here, what point should be discussed, etc.)

Example:

* [Feature #14609] `Kernel#p` without args shows the receiver (ko1)
  * I feel this feature is very useful and some people say :+1: so let discuss this feature.

- It is recommended to add a comment by 2021/10/18. We hold a preparatory meeting to create an agenda a few days before the dev-meeting.
- The format is strict. We'll use this script to automatically create a markdown-style agenda. We may ignore a comment that does not follow the format.
- Your comment is mandatory. We cannot read all discussion of the ticket in a limited time. We appreciate it if you could write a short summary and update from a previous discussion.

Related issues:
Related to Ruby master - Misc #14770: [META] DevelopersMeeting Open

History

#1 - 09/16/2021 03:26 PM - mame (Yusuke Endoh)
- Related to Misc #14770: [META] DevelopersMeeting added

#2 - 09/17/2021 08:07 AM - mame (Yusuke Endoh)
  * [Feature #18176] Make Coverage suspendable (mame)
    o I'd like to add Coverage.suspend and Coverage.resume. Any opinion?
  * [Bug #18170] Exception#inspect should not include newlines (mame)
    o I've created a PR for StandardError.new("foo\nbar") #=> #<StandardError: "foo\nbar">. I had to modify some tests. Is it acceptable?

#3 - 09/27/2021 04:04 AM - ioquatix (Samuel Williams)
  * [Feature #18035] Introduce general model/semantic for immutable by default.
    o Can we agree on interface and implementation.
    o Process::Status is example use-case. Should be many more.
- [Feature #18083] Capture error in ensure block.
  - Can we deprecate $! (& $@)? It's dangerous and every use case is better with explicit capture. Also may have some performance advantages.
- [Feature #18020] Introduce IO::Buffer for fiber scheduler.
  - For efficient file IO we need an internal buffer with well defined semantics suitable for IO.
- [Feature #17369] Introduce non-blocking Process.wait, Kernel.system and related methods.
  - Currently, $? is thread-local, but it should be fiber local.
  - Should we try to fix $? or deprecate it?
  - Introduce new interface? system(...) {status| ...}?
- [Bug #18194] No easy way to format exception messages per thread/fiber scheduler context.
  - Can we come to an agreement on what this looks like for Ruby 3.1?
  - Can we introduce fiber scheduler hook for unhandled exceptions?

#4 - 09/28/2021 11:26 PM - shugo (Shugo Maeda)

- [Bug #17429] Prohibit include/prepend in refinement modules
  - Is the name ReflectionImport OK?

#5 - 10/04/2021 11:52 PM - duerst (Martin Dürst)

- [Feature #18239] Variable Width Allocation: Strings
  - Discuss deployment schedule and binary incompatibility issues.

#6 - 10/09/2021 07:58 AM - nobu (Nobuyoshi Nakada)

- [Feature #18242] Allow multiple assignment in logical expression
  - 1 < 2 and a, b = 2, 1 and so on.

#7 - 10/11/2021 09:57 PM - jeremyevans0 (Jeremy Evans)

- [Misc #18248] Add Feature Triaging Guide (jeremyevans0)
  - Is it OK to add a feature triaging guide and start using it triage feature requests?
- [Bug #18066] Load did_you_mean/error_highlight even with --disable-gems (jeremyevans0)
  - Should --disable-gems also disable did_you_mean and error_highlight?
  - Most developers appear in favor, though @mame (Yusuke Endoh) is against (but not strongly opposed).
- [Bug #18187] Float#clamp() returns ArgumentError (comparison of Float with 1 failed) (jeremyevans0)
  - How should Float#clamp handle case where receiver is NaN?
  - Currently it raises ArgumentError, but that is due to implementation details, not by design.
  - Is it OK to change it to return the receiver (NaN) in this case?
- [Bug #12436] newline argument of File.open seems not respected on Windows (jeremyevans0)
  - The option is currently ignored due to an oversight when the code was originally added.
  - Is it OK to introduce _f_newline transcoder and newline: :lf option to fix this?
  - Also, is newline: :crlf supposed to convert \r\n to \n during read only on Windows?

#8 - 10/14/2021 02:35 PM - byroot (Jean Boussier)

- [Feature #10917] Add GC.stat[:total_time] when GC profiling enabled
  - @ko1 (Koichi Sasada) did submit a pull request which seem fine except maybe for 32bits support.
  - @ko1 (Koichi Sasada) did also measure the overhead and it appeared small.
  - Could this feature be merged for Ruby 3.1?

#9 - 10/15/2021 11:09 AM - byroot (Jean Boussier)

- [Feature #17760] Where we should install a header file when gem install --user?
  - digest have been gemified. However its extconf.rb have "$INSTALLFILES = ['digest.h' => "$HDRDIR"] which fail for most people because ruby's include directory is owned by root.
  - What should rubygems do here? Have a secondary user owned include directory?
  - If I have several versions of digest installed? How gems linking against it would know which version to use?
  - If there's no clear solution, with 3.1.0 approaching, should we revert that digest gemification so that 3.1.0 is actually usable?

#10 - 10/18/2021 03:21 AM - nobu (Nobuyoshi Nakada)
- Description updated

#11 - 10/19/2021 09:28 AM - Eregon (Benoit Daloze)

- [Feature #18256] Change the canonical name of Thread::Mutex, Thread::Queue, Thread::SizedQueue and Thread::ConditionVariable to just Mutex, Queue, SizedQueue and ConditionVariable (eregon)
• OK? (sorry for late addition for the meeting, we can move to next meeting if needed, but would be best to decide sooner than later)

#12 - 10/20/2021 01:28 AM - Dan0042 (Daniel DeLorme)

• [Feature #17795] Around Process.fork callbacks API (dan0042)
  • A few naming suggestions have been made; does Matz like any of them?
• [Feature #17837] Add support for Regexp timeouts (dan0042)
  • Adding this to ruby 3.1 with a safe (high) value for Regexp.backtrack_limit would be an improvement on the current lack of limit, and would allow to get measurements from real-world applications for a better default value.

#13 - 10/20/2021 08:25 AM - byroot (Jean Boussier)

• [Feature #18254] Add an offset parameter to String#unpack and String#unpack1
  • Binary protocol parser currently have to slice their buffer repeatedly, this new argument would save a lot of string copying.

#14 - 10/20/2021 02:25 PM - Eregon (Benoit Daloze)

• [Bug #17146] Queue operations are allowed after it is frozen. (eregon)
  • This is an obvious inconsistency and it makes no sense whenever we discuss deep freezing object graphs. Let's fix it.

#15 - 10/21/2021 11:37 AM - mame (Yusuke Endoh)

We held the dev-meeting but didn't finish until the last topic. An extra meeting will be held at the next Monday.

#16 - 10/25/2021 09:11 AM - mame (Yusuke Endoh)

- Description updated
- Status changed from Open to Closed