

Issues

| # | Project | Tracker | Status | Subject | Assignee | Updated |
|-------|---------|---------|----------|--|------------------------------------|---------------------|
| 21166 | Ruby | Bug | Assigned | Fiber Scheduler is unable to be interrupted by `IO#close`. | ioquatix (Samuel Williams) | 05/13/2025 01:54 PM |
| 20877 | Ruby | Feature | Closed | Introduce (public) debug assertion for holding the GVL. | | 04/14/2025 09:28 AM |
| 21211 | Ruby | Bug | Closed | Incomplete Backtrace for Socket Errors in Ruby 3.4+ | shioimm (Misaki Shioi) | 04/14/2025 07:21 AM |
| 18035 | Ruby | Feature | Open | Introduce general model/semantic for immutability. | | 04/10/2025 10:23 PM |
| 21095 | Ruby | Bug | Closed | Prefer `uname -n` over `hostname` in tests. | | 03/08/2025 09:20 AM |
| 19059 | Ruby | Feature | Closed | Introduce top level `module TimeoutError` for aggregating various timeout error classes. | matz (Yukihiro Matsumoto) | 03/02/2025 10:20 PM |
| 21038 | Ruby | Bug | Closed | Preserve `errno` in `rb_fiber_scheduler_unblock` | | 02/14/2025 05:09 AM |
| 20907 | Ruby | Bug | Closed | Fiber scheduler does not correctly re-lock mutex if `Mutex#sleep` is interrupted. | ioquatix (Samuel Williams) | 01/15/2025 01:48 AM |
| 19057 | Ruby | Feature | Assigned | Hide implementation of `rb_io_t`. | ioquatix (Samuel Williams) | 01/06/2025 06:14 AM |
| 20863 | Ruby | Bug | Closed | `zlib.c` calls `rb_str_set_len` and `rb_str_modify_expand` (and others) without holding the GVL. | | 11/20/2024 09:02 PM |
| 20902 | Ruby | Feature | Closed | Allow `IO::Buffer#copy` to release the GVL. | | 11/20/2024 09:19 AM |
| 19642 | Ruby | Feature | Closed | Remove vectored read/write from `io.c`. | ioquatix (Samuel Williams) | 11/20/2024 08:59 AM |
| 20876 | Ruby | Feature | Closed | Introduce `Fiber::Scheduler#blocking_operation_wait` to avoid stalling the event loop. | | 11/20/2024 06:40 AM |
| 20864 | Ruby | Feature | Open | Allow `Kernel#warn` to accept `**options` and pass these to `Warning.warn`. | | 11/08/2024 12:26 PM |
| 20855 | Ruby | Feature | Closed | Introduce `Fiber::Scheduler#blocking_region` to avoid stalling the event loop. | | 11/06/2024 09:25 PM |
| 20723 | Ruby | Bug | Closed | `IO#close` is broken on Ruby 3.3+ when using the Fiber scheduler. | kjtsanaktisidis (KJ Tsanaktisidis) | 11/04/2024 10:23 PM |
| 18455 | Ruby | Bug | Assigned | `IO#close` has poor performance and difficult to understand semantics. | ioquatix (Samuel Williams) | 09/20/2024 12:27 AM |
| 14681 | Ruby | Bug | Assigned | `syswrite`: stream closed in another thread (IOError) | ioquatix (Samuel Williams) | 09/20/2024 12:27 AM |
| 20414 | Ruby | Bug | Closed | `Fiber#raise` should recurse to `resumed_fiber` rather than failing. | ioquatix (Samuel Williams) | 07/20/2024 03:57 AM |
| 20288 | Ruby | Bug | Closed | `rb_fiber_scheduler_close` exceptions are not handled in `rb_fiber_scheduler_set`. | ioquatix (Samuel Williams) | 07/06/2024 06:36 AM |
| 20393 | Ruby | Bug | Closed | `after_fork_ruby` clears all pending interrupts for both parent and child process. | ioquatix (Samuel Williams) | 07/06/2024 06:35 AM |
| 20286 | Ruby | Bug | Closed | TracePoint does not emit `thread_end` event when thread exits with exception | ioquatix (Samuel Williams) | 07/06/2024 06:35 AM |
| 20413 | Ruby | Bug | Closed | Enumerator can block fiber scheduler. | ioquatix (Samuel Williams) | 07/06/2024 02:24 AM |
| 19857 | Ruby | Bug | Rejected | Eval coverage is reset after each `eval`. | ioquatix (Samuel Williams) | 07/03/2024 10:22 PM |
| 20215 | Ruby | Feature | Open | Introduce `IO#readable?` | | 04/22/2024 04:08 AM |
| 19056 | Ruby | Feature | Closed | Introduce `Fiber.annotation` for attaching messages to fibers. | ioquatix (Samuel Williams) | 04/11/2024 03:34 AM |
| 20102 | Ruby | Feature | Closed | Introduce `Fiber#resuming?` | ioquatix (Samuel Williams) | 04/07/2024 02:24 PM |
| 20105 | Ruby | Feature | Assigned | Introduce `IO::Stream` or something similar. | ioquatix (Samuel Williams) | 04/03/2024 03:50 AM |
| 19077 | Ruby | Feature | Assigned | Introduce `Hash#dup` copy on write. | ioquatix (Samuel Williams) | 04/03/2024 03:50 AM |
| 18227 | Ruby | Feature | Assigned | Static class initialization. | ioquatix (Samuel Williams) | 04/03/2024 03:50 AM |
| 20231 | Ruby | Bug | Closed | Don't wait in `io_binwrite_string` if not necessary. | ioquatix (Samuel Williams) | 04/01/2024 08:17 AM |

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| 20279 | Ruby | Misc | Closed | Is the implementation of `respond_to_missing?` in BasicObject documentation correct? | | 03/19/2024 02:17 PM |
| 20298 | Ruby | Feature | Open | Introduce `Time()` type-cast / constructor. | | 03/12/2024 05:38 PM |
| 19742 | Ruby | Feature | Open | Introduce `Module#anonymous?` | | 03/12/2024 07:54 AM |
| 20282 | Ruby | Feature | Open | Enhancing Ruby's Coverage with Per-Test Coverage Reports | | 02/20/2024 08:09 PM |
| 19461 | Ruby | Bug | Closed | Time.local performance tanks in forked process (on macOS only?) | | 02/02/2024 10:36 AM |
| 20086 | Ruby | Bug | Closed | Windows memory mapped file `IO::Buffer` is buggy. | | 01/30/2024 02:09 AM |
| 20042 | Ruby | Bug | Closed | ObjectSpace finalizer can cause segfault | ko1 (Koichi Sasada) | 01/18/2024 03:20 AM |
| 19717 | Ruby | Feature | Open | `ConditionVariable#signal` is not fair when the wakeup is consistently spurious. | | 01/10/2024 10:32 AM |
| 19333 | Ruby | Feature | Open | Setting (Fiber Local Thread Local Fiber Storage) to nil should delete value in order to avoid memory leaks. | | 12/28/2023 08:55 AM |
| 19738 | Ruby | Bug | Closed | `ObjectSpace.each_object.to_a` crashes in `make_runirb`. | | 12/26/2023 01:19 PM |
| 18083 | Ruby | Feature | Open | Capture error in ensure block. | | 12/15/2023 09:41 PM |
| 18886 | Ruby | Bug | Closed | Struct aref and aset don't trigger any tracepoints. | ko1 (Koichi Sasada) | 12/07/2023 06:29 PM |
| 19845 | Ruby | Bug | Closed | `Fiber[key] = value` fails if key is not interned. | | 09/30/2023 07:09 AM |
| 18810 | Ruby | Bug | Closed | Make `Kernel#p` interruptable. | ioquatix (Samuel Williams) | 08/30/2023 08:21 PM |
| 18036 | Ruby | Bug | Closed | Pthread fibers become invalid on fork - different from normal fibers. | ioquatix (Samuel Williams) | 08/25/2023 12:01 AM |
| 19640 | Ruby | Bug | Closed | `IO#puts` can generate zero length iov which can cause rb_bug crash. | | 07/22/2023 04:26 AM |
| 19709 | Ruby | Bug | Closed | `Thread.join(timeout)` hangs in fiber scheduler. | ioquatix (Samuel Williams) | 07/22/2023 04:26 AM |
| 19546 | Ruby | Bug | Closed | IO::Buffer is incorrectly invoking fiber scheduler interface. | ioquatix (Samuel Williams) | 07/16/2023 08:10 AM |
| 19521 | Ruby | Feature | Closed | Support for `Module#name=` and `Class#name=`. | | 07/02/2023 03:21 AM |
| 19520 | Ruby | Feature | Rejected | Support for `Module.new(name)` and `Class.new(superclass, name)`. | | 06/08/2023 06:58 AM |
| 19452 | Ruby | Feature | Open | `Thread::Backtrace::Location` should have column information if possible. | | 05/23/2023 05:04 PM |
| 18258 | Ruby | Feature | Closed | Ractor.shareable? can be slow and mutates internal object flags. | ko1 (Koichi Sasada) | 05/14/2023 04:44 AM |
| 19607 | Ruby | Feature | Open | Introduce `Hash#symbolize_keys`. | | 04/21/2023 03:39 PM |
| 19389 | Ruby | Bug | Closed | StringIO gets(..., chomp: true) behaves differently to File/IO. | | 03/21/2023 11:19 AM |
| 19094 | Ruby | Feature | Closed | `sleep(nil)` vs `sleep()` and replicating the default implementation. | ioquatix (Samuel Williams) | 03/10/2023 03:40 AM |
| 19450 | Ruby | Feature | Closed | Is there an official way to set a class name without setting a constant? | | 03/09/2023 09:01 AM |
| 19480 | Ruby | Bug | Closed | invalid keeping _mutexes: Attempt to unlock a mutex which is not locked with fiber scheduler. | ioquatix (Samuel Williams) | 03/07/2023 07:34 PM |
| 19451 | Ruby | Feature | Open | Extract path and line number from SyntaxError? | | 03/07/2023 05:33 AM |
| 19466 | Ruby | Feature | Closed | Class.new takes a block, why doesn't Module.new take a block? | | 02/25/2023 03:14 AM |
| 19453 | Ruby | Feature | Closed | Move `Fiber.current` into core. | ioquatix (Samuel Williams) | 02/24/2023 09:25 PM |
| 19421 | Ruby | Misc | Open | Distribution documentation | | 02/13/2023 08:17 AM |
| 19306 | Ruby | Feature | Open | Expand zlib interface | | 02/13/2023 12:19 AM |

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| 19360 | Ruby | Bug | Closed | Enabling coverage with <code>-r</code> option isn't sufficient to intercept top level script. | ioquatix (Samuel Williams) | 01/25/2023 10:39 PM |
| 19078 | Ruby | Feature | Closed | Introduce <code>Fiber#storage</code> for inheritable fiber-scoped variables. | ioquatix (Samuel Williams) | 12/21/2022 01:41 PM |
| 19135 | Ruby | Feature | Closed | Support <code>UNIXSocket</code> on Windows | | 12/14/2022 02:29 AM |
| 18003 | Ruby | Bug | Closed | Rework internal IO to directly invoke scheduler with IO object. | ioquatix (Samuel Williams) | 11/15/2022 12:31 PM |
| 19101 | Ruby | Bug | Closed | <code>madvise(free)</code> was broken in 3.1? | ioquatix (Samuel Williams) | 11/07/2022 08:51 PM |
| 17827 | Ruby | Bug | Closed | Monitor is not fiber safe | Eregon (Benoit Daloze) | 11/05/2022 05:24 PM |
| 19058 | Ruby | Feature | Closed | Introduce <code>Fiber.inheritable</code> attributes/variables for dealing with shared state. | ioquatix (Samuel Williams) | 10/22/2022 09:40 PM |
| 19062 | Ruby | Feature | Closed | Introduce <code>Fiber#locals</code> for shared inheritable state. | ioquatix (Samuel Williams) | 10/20/2022 12:09 PM |
| 19060 | Ruby | Feature | Closed | Introduce <code>Fiber::Scheduler#io_select</code> for non-blocking <code>IO.select</code> . | ioquatix (Samuel Williams) | 10/15/2022 07:04 AM |
| 15560 | Ruby | Feature | Closed | Add support for read/write offsets. | ioquatix (Samuel Williams) | 10/15/2022 12:52 AM |
| 18005 | Ruby | Feature | Closed | Enable non-blocking <code>binding.irb</code> . | ioquatix (Samuel Williams) | 10/08/2022 07:53 AM |
| 18411 | Ruby | Feature | Closed | Introduce <code>Fiber.blocking</code> for disabling scheduler. | ioquatix (Samuel Williams) | 10/08/2022 07:34 AM |
| 18630 | Ruby | Feature | Closed | Introduce general <code>IO#timeout</code> and <code>IO#timeout=</code> for blocking operations. | ioquatix (Samuel Williams) | 10/08/2022 07:34 AM |
| 19008 | Ruby | Feature | Closed | Introduce coverage support for <code>eval</code> . | ioquatix (Samuel Williams) | 09/28/2022 08:47 PM |
| 19026 | Ruby | Bug | Closed | Add <code>Coverage.supported?(x)</code> to detect support for <code>eval</code> coverage flag. | | 09/28/2022 08:46 PM |
| 19019 | Ruby | Feature | Open | Nicely formatted exception messages in HTML | | 09/26/2022 09:19 PM |
| 18296 | Ruby | Feature | Closed | Custom exception formatting should override <code>Exception#full_message</code> . | | 09/23/2022 07:42 AM |
| 18194 | Ruby | Feature | Closed | No easy way to format exception messages per thread/fiber scheduler context. | mame (Yusuke Endoh) | 09/23/2022 07:38 AM |
| 18782 | Ruby | Bug | Closed | Race conditions in autoload when loading the same feature with multiple threads. | ioquatix (Samuel Williams) | 09/20/2022 10:01 PM |
| 13626 | Ruby | Feature | Open | Add <code>String#byteslice!</code> | | 08/27/2022 11:16 AM |
| 18465 | Ruby | Bug | Closed | Make <code>IO#write</code> atomic. | ioquatix (Samuel Williams) | 05/30/2022 03:19 AM |
| 17370 | Ruby | Feature | Closed | Introduce non-blocking <code>Addrinfo.getaddrinfo</code> and related methods. | ioquatix (Samuel Williams) | 05/28/2022 02:47 AM |
| 18663 | Ruby | Bug | Closed | Autoload doesn't work with fiber context switch. | | 05/07/2022 10:24 PM |
| 18443 | Ruby | Bug | Closed | IO read/write/wait hook bug fixes. | | 02/01/2022 12:56 PM |
| 18389 | Ruby | Bug | Closed | <code>binding.irb</code> can fail in some classes that implement <code>context</code> and <code>print</code> methods. | aycabta (aycabta .) | 01/26/2022 04:29 PM |
| 16908 | Ruby | Bug | Closed | Strange behaviour of <code>Hash#shift</code> when used with <code>default_proc</code> . | jeremyevans0 (Jeremy Evans) | 01/15/2022 01:39 AM |
| 15344 | Ruby | Feature | Feedback | Being proactive about Ruby security | | 12/23/2021 11:40 PM |
| 14975 | Ruby | Feature | Rejected | <code>String#append</code> without changing receiver's encoding | ioquatix (Samuel Williams) | 12/21/2021 07:22 PM |
| 18363 | Ruby | Bug | Closed | <code>make clean</code> should consistently handle generated files otherwise it can break the build. | | 11/25/2021 11:55 AM |
| 18020 | Ruby | Feature | Closed | Introduce <code>IO::Buffer</code> for fiber scheduler. | | 11/10/2021 12:23 PM |
| 17369 | Ruby | Feature | Closed | Introduce non-blocking <code>Process.wait</code> , <code>Kernel.system</code> and related methods. | ioquatix (Samuel Williams) | 10/21/2021 07:50 AM |
| 18048 | Ruby | Bug | Closed | <code>Thread#join</code> can break with fiber scheduler unblock fails or blocks. | | 09/27/2021 10:06 PM |

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|-------|---------|---------|---------------------|--|----------------------------|---------------------|
| 18189 | Ruby | Bug | Closed | `rb_cString` can be NULL during `Init_Object` | | 09/27/2021 03:48 AM |
| 18084 | Ruby | Bug | Closed | `JSON.dump` can crash VM. | | 08/18/2021 09:18 AM |
| 15567 | Ruby | Feature | Rejected | Allow ensure to match specific situations | ioquatix (Samuel Williams) | 08/18/2021 03:00 AM |
| 18015 | Ruby | Feature | Closed | Replace copy coroutine with pthread implementation. | ioquatix (Samuel Williams) | 07/01/2021 03:41 AM |
| 15634 | Ruby | Bug | Closed | TracePoint seems to be skipping some methods. | | 06/19/2021 05:37 AM |
| 14889 | Ruby | Bug | Closed | TracePoint for :line never seems to trigger on argument list. Maybe by design? | | 06/19/2021 02:06 AM |
| 16962 | Ruby | Feature | Feedback | Make IO.for_fd autoclose option default to false | | 06/17/2021 06:54 AM |
| 16782 | Ruby | Bug | Closed | `lock`: deadlock; recursive locking (ThreadError) in 2.7.1 | ko1 (Koichi Sasada) | 06/08/2021 10:37 PM |
| 17470 | Ruby | Feature | Closed | Introduce non-blocking `Timeout.timeout` | ioquatix (Samuel Williams) | 03/30/2021 05:38 AM |
| 16786 | Ruby | Feature | Closed | Light-weight scheduler for improved concurrency. | ioquatix (Samuel Williams) | 12/06/2020 06:36 AM |
| 15417 | Ruby | Bug | Closed | Pathname case insensitive comparison | | 09/02/2020 05:38 PM |
| 17050 | Ruby | Misc | Closed | profiler gem | hsbt (Hiroshi SHIBATA) | 09/02/2020 06:14 AM |
| 16815 | Ruby | Feature | Closed | Implement Fiber#backtrace | ioquatix (Samuel Williams) | 08/17/2020 12:56 PM |
| 17107 | Ruby | Bug | Rejected | Backtick in backtrace is a little bit annoying | | 08/08/2020 04:47 AM |
| 16802 | Ruby | Misc | Closed | Prefer use of RHS assignment in documentation | ioquatix (Samuel Williams) | 05/21/2020 08:31 PM |
| 14736 | Ruby | Feature | Closed | Thread selector for flexible cooperative fiber based concurrency | | 04/15/2020 12:47 AM |
| 16459 | Ruby | Bug | Closed | <internal:trace_point>:346: [BUG] Segmentation fault at 0x0000000000000008 | ko1 (Koichi Sasada) | 03/13/2020 12:08 PM |
| 16602 | Ruby | Feature | Rejected | Add support for `frozen_string_literals` to eval. | | 02/02/2020 11:05 AM |
| 13593 | Ruby | Bug | Rejected | Addrinfo#== behaves oddly | | 09/19/2019 05:20 AM |
| 16026 | Ruby | Bug | Rejected | `Set#count` performance issues | knu (Akinori MUSAHA) | 09/06/2019 11:06 PM |
| 14879 | Ruby | Bug | Closed | Time#+ and Time#- do not preserve receiver's utc_offset if ENV['TZ'] is modified after receiver is created | | 08/13/2019 05:27 AM |
| 15997 | Ruby | Feature | Closed | Improve performance of fiber creation by using pool allocation strategy. | ko1 (Koichi Sasada) | 07/28/2019 02:34 AM |
| 16009 | Ruby | Bug | Closed | Performance regression in 2.7 | ko1 (Koichi Sasada) | 07/18/2019 08:47 AM |
| 13407 | Ruby | Bug | Rejected | We have recv_nonblock but not send_nonblock... can we add it? | akr (Akira Tanaka) | 07/14/2019 08:10 AM |
| 15894 | Ruby | Feature | Closed | Remove support for IA64 | ioquatix (Samuel Williams) | 06/19/2019 11:34 AM |
| 15572 | Ruby | Bug | Closed | `RubyVM::InstructionSequence` doesn't work with `extend`. | | 06/12/2019 10:44 PM |
| 15456 | Ruby | Feature | Open | Adopt some kind of consistent versioning mechanism | | 02/07/2019 06:26 PM |
| 14880 | Ruby | Bug | Closed | Time#localtime doesn't always seem to respect TZ | | 01/10/2019 02:47 PM |
| 14888 | Ruby | Feature | Closed | Add trace point for eval (and related functions) | ko1 (Koichi Sasada) | 12/21/2018 10:39 AM |
| 14739 | Ruby | Feature | Closed | Improve fiber yield/resume performance | ioquatix (Samuel Williams) | 12/11/2018 11:55 PM |
| 15269 | Ruby | Bug | Third Party's Issue | Process.setproctitle has odd behaviour on Mac OS X | | 10/30/2018 09:19 PM |
| 14713 | Ruby | Bug | Closed | <internal:prelude>:132:in `__write_nonblock': Protocol wrong type for socket (Errno::EPROTOTYPE) | | 07/02/2018 09:15 AM |

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|-------|---------|---------|----------|---|---------------------|---------------------|
| 14771 | Ruby | Feature | Open | Add method to create DNS resource from data string | | 05/17/2018 10:43 PM |
| 13781 | Ruby | Bug | Closed | Should the safe navigation operator invoke `nil`? | | 11/22/2017 09:44 AM |
| 12886 | Ruby | Feature | Rejected | URI#merge doesn't handle paths correctly | | 04/27/2017 11:47 AM |
| 13409 | Ruby | Bug | Rejected | UDPSocket#send breaks when using sockaddr | | 04/11/2017 06:13 AM |
| 12931 | Ruby | Feature | Rejected | Add support for Binding#instance_eval | | 01/19/2017 07:22 AM |
| 12827 | Ruby | Bug | Rejected | Add Boolean data type. | | 10/11/2016 02:31 AM |
| 12039 | Ruby | Feature | Closed | Fixnum#infinite?/Bignum#infinite or Numeric#infinte, consistent with Float#infinite? and BigDecimal#infinite? | mrkn (Kenta Murata) | 10/03/2016 02:11 AM |
| 12517 | Ruby | Bug | Closed | def_delegators broken on ruby-head? | | 08/16/2016 12:14 PM |
| 12461 | Ruby | Feature | Rejected | Hash & keys to make subset. | | 08/04/2016 07:55 AM |
| 11975 | Ruby | Bug | Rejected | Range#last is not consistent and possibly does not do what is expected. | | 01/12/2016 09:38 AM |