

Ruby - Bug #21295

macos-13 debug build failures

04/29/2025 08:47 PM - MSP-Greg (Greg L)

Status:	Open	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	master	Backport: 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: UNKNOWN

Description

[@Eregon \(Benoit Daloze\)](#)

[ruby/ruby-dev-builder](#) has issues turned off, which I can understand. It is the repo that creates the Ubuntu & macOS MRI master/head builds used in GHA (GitHub Actions).

Recently, there have been test-all failures in the 'macos-13 debug' job. Also, the tests take longer to run than macos-14. I believe macos-13 is x64, macos-14 is arm64.

It would certainly be nice to fix the problem. In at least a few workflow runs, it is the only job failure.

A more significant issue is that any failure in the workflow's jobs stops a new release from being created. The 'macos-13 debug' jobs have failed on the last two days runs (it .

Recently Set was updated, I believe it's been a few days, but I don't recall any API changes. I believe no tests were changed/added, but marshalling set was covered in test suites.

Hence, that was overlooked, and a subsequent PR/commit fixed it. But, the first commit was done where a new release was created.

Since the the 2nd commit was done, all the 'macos-13 debug' jobs have been failing. Hence, it's not available in GHA.

So, there are two issues:

1. 'macos-13 debug' is failing test-all
2. ruby/ruby-dev-builder cannot update any master build if one or more of the master builds fail.

History

#1 - 04/30/2025 04:52 AM - hsbt (Hiroshi SHIBATA)

- Status changed from Open to Third Party's Issue

'macos-13 debug' is failing test-all

macos-13 is working on our CI: <https://github.com/ruby/ruby/actions/runs/14746546219/job/41394895957>

ruby/ruby-dev-builder cannot update any master build if one or more of the master builds fail.

It seems not related with Ruby repository.

#2 - 04/30/2025 08:13 AM - Eregon (Benoit Daloze)

- Status changed from Third Party's Issue to Open

@MSP-Greg Thank you for the report.
In general it's quite helpful if you can link to specific failed builds and also copy the output, makes it easier to find e.g. when searching and clearer what is the problem.

hsbt (Hiroshi SHIBATA) wrote in [#note-1](#):

macos-13 is working on our CI: <https://github.com/ruby/ruby/actions/runs/14746546219/job/41394895957>

See <https://github.com/ruby/ruby-dev-builder/actions/runs/14739297053/job/41373111258> and

In both cases the non-debug builds work fine, but the RUBY_DEBUG=1 builds fail.

I believe the bug is caused by a bug/issue in CRuby.

I guess it's not caught in ruby/ruby CI because I guess a missing CI job with `-DRUBY_DEBUG=1` on macos-13 / macOS x86_64.

I'll copy the failures here:

<https://github.com/ruby/ruby-dev-builder/actions/runs/14739297053/job/41373111258>

```
1) Error:  
TestObjSpace#test_trace_object_allocations_compaction_freed_pages:  
make: *** [yes-test-all] Error 1  
Test::Unit::ProxyError: execution of Test::Unit::CoreAssertions#assert_normal_exit expired timeout (10 sec)  
pid 45466 killed by SIGTERM (signal 15)  
|  
  
    /Users/runner/work/ruby-dev-builder/ruby-dev-builder/test/objspace/test_objspace.rb:311:in 'TestObjSpace  
#test_trace_object_allocations_compaction_freed_pages'
```

<https://github.com/ruby/ruby-dev-builder/actions/runs/14715775725/job/41298729505>

06/10/2025

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/vm_core.h:1690
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(vm_block_self+0x11) [0x1103cbdd1] .
/vm_core.h:1764
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_vm_invoke_proc+0x2d) [0x1103cc67
d] vm.c:1786
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_proc_call_kw+0x6b) [0x1102f06db]
proc.c:989
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_ensure+0x9e) [0x11024bace] eval.
c:1074
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_postponed_job_flush+0x156) [0x11
03f0e66] vm_trace.c:1850
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_threadptr_execute_interrupts+0xd
f) [0x11038b5ef] thread.c:2480
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(vm_pop_frame+0x18) [0x1103b8478] ./
vm_insnhelper.c:458
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(vm_call_cfunc_with_frame_+0x143) [0
x1103da1d3] ./vm_insnhelper.c:3801
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(vm_sendish+0x14c) [0x1103baacc] ./v
m_insnhelper.c:5972
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(vm_exec_core+0x35aa) [0x1103bf26a]
insns.def:899
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_vm_exec+0x94) [0x1103bae74] vm.c
:2618
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(invoke_iseq_block_from_c+0x128) [0x
1103ccc53] vm.c:1648
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(invoke_block_from_c_proc) vm.c:1742
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(vm_invoke_proc) vm.c:1772
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_vm_invoke_proc+0x5d) [0x1103cc6a
d] vm.c:1793
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_proc_call_kw+0x6b) [0x1102f06db]
proc.c:989
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(exec_end_procs_chain+0x4d) [0x11024
dafd] ./eval_jump.c:105
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_ec_exec_end_proc+0xc1) [0x11024d
a01] ./eval_jump.c:121
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_ec_teardown+0x92) [0x11024a812]
eval.c:155
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(rb_ec_cleanup+0xfd) [0x11024a99d] e
val.c:207
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/libruby.3.5.dylib(ruby_run_node+0x49) [0x11024aca9] e
val.c:319
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby(rb_main+0x40) [0x10fa86f50] ./main.c:42
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby(rb_main) (null):0
| /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby(main+0x47) [0x10fa86ee7] ./main.c:62
|
| -- Other runtime information -----
|
| * Loaded script: -
|
| * Loaded features:
|
| 0 enumerator.so
| 1 thread.rb
| 2 fiber.so
| 3 rational.so
| 4 complex.so
| 5 ruby2_keywords.rb
| 6 set.rb
| 7 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/encdb.bundle
| 8 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/trans/transdb.bundle
| 9 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/lib/open3/version.rb
| 10 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/lib/open3.rb
| 11 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/lib/timeout.rb
| 12 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/rbconfig.rb
| 13 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/tool/lib/find_executable.rb
| 14 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/rbconfig/sizeof.bundle
| 15 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/tool/lib/envutil.rb
| 16 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/tool/lib/colorize.rb
| 17 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/tool/lib/leakchecker.rb
| 18 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/lib/prettyprint.rb
| 19 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/lib/pp.rb
| 20 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/tool/lib/test/unit/assertions.rb
| 21 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/-test-/asan.bundle
| 22 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/io/console.bundle
| 23 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/tool/lib/core_assertions.rb

```

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| 24 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/tool/lib/test/unit/testcase.rb
| 25 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/lib/optparse.rb
| 26 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/tool/lib/test/unit.rb
| 27 /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/-test-/tracepoint.bundle
|
| * Process memory map:
|
| 10fa83000-10fa87000 r-x /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby
| 10fa87000-10fa8b000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby
| 10fa8b000-10fa8c000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby
| 10fa8c000-10fa8f000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fa8f000-10facf000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10facf000-10fad0000 --- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fad0000-10fad2000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fad2000-10fad5000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fad5000-10fad6000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fad6000-10fada000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fada000-10fadb000 --- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fadb000-10fadf000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fadf000-10fae0000 --- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fae0000-10fae1000 --- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fae1000-10fae5000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fae5000-10fae6000 --- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fae6000-10fae7000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fae7000-10fae8000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fae8000-10faef000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10faf0000-10fb00000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fb00000-10fb03000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fb03000-10fb06000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/ruby.dSYM/Contents/Resources/
DWARF/ruby
| 10fb10000-10fb20000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/encd
b.bundle
| 10fb20000-10fb24000 r-x /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/encd
b.bundle
| 10fb24000-10fb28000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/encd
b.bundle
| 10fb28000-10fb2c000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/encd
b.bundle
| 10fb2c000-10fb30000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/encd
b.bundle
| 10fb30000-10fb40000 rw- /usr/local/Cellar/gmp/6.3.0/lib/libgmp.10.dylib
| 10fb43000-10fba3000 r-x /usr/local/Cellar/gmp/6.3.0/lib/libgmp.10.dylib
| 10fba3000-10fba7000 r-- /usr/local/Cellar/gmp/6.3.0/lib/libgmp.10.dylib
| 10fba7000-10fbab000 rw- /usr/local/Cellar/gmp/6.3.0/lib/libgmp.10.dylib
| 10fbab000-10fbb7000 r-- /usr/local/Cellar/gmp/6.3.0/lib/libgmp.10.dylib
| 10fbb7000-10fcf7000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/tran
s/transdb.bundle
| 10fd00000-10fd10000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/tran
s/transdb.bundle
| 10fd10000-10fd14000 r-x /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/tran
s/transdb.bundle
| 10fd14000-10fd18000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/tran
s/transdb.bundle
| 10fd18000-10fd1c000 rw- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/tran
s/transdb.bundle
| 10fd1c000-10fd20000 r-- /Users/runner/work/ruby-dev-builder/ruby-dev-builder/.ext/x86_64-darwin22/enc/tran
s/transdb.bundle

```

[illegible]

[illegible]

[illegible]

```
| 7fd963a00000-7fd963b00000 rw-
| 7fd963b00000-7fd963c00000 rw-
| 7fd964000000-7fd964800000 rw-
| 7fd964800000-7fd965000000 rw-
| 7ff7ac47d000-7ff7ac47e000 ---
| 7ff7ac47e000-7ff7b047d000 rw-
| 7ff800000000-7ff840000000 r--
| 7ff840000000-7ff84b067000 r--
| 7ff84b067000-7ff84b200000 rw-
| 7ff84b200000-7ff84bc00000 r--
| 7ff84bc00000-7ff84be00000 rw-
| 7ff84be00000-7ff84cc00000 r--
| 7ff84cc00000-7ff84ce00000 rw-
| 7ff84ce00000-7ff84cfef000 rw-
| 7ff84cfef000-7ff880000000 r--
| 7ff880000000-7ffffe000000 r--
| 7ffffe000000-7ffffe01000 r--
| 7ffffe5f000-7ffffe60000 r-x
| [IMPORTANT]
| Don't forget to include the Crash Report log file under
| DiagnosticReports directory in bug reports.
|
```

These might be transient of course. I'll try to restart the latest job.

#3 - 04/30/2025 08:23 AM - Eregon (Benoit Daloze)

MSP-Greg (Greg L) wrote:

ruby/ruby-dev-builder cannot update any master build if one or more of the master builds fail.

Feel free to file that as an issue at <https://github.com/ruby/setup-ruby>.

I disabled issues for ruby/*-dev-builder because I want to avoid an explosion of number of issue trackers.

But in short it works as designed (and I don't see any solution): we should not publish releases without all builds otherwise it will break setup-ruby for the missing builds.

It's also not good to use a debug build from an older commit and a regular build from a newer commit, they should always match.

The assumption is CRuby core cares about keeping RUBY_DEBUG builds green, since in fact they asked to add it (and if they would no longer then we should remove ruby-debug in setup-ruby, we're not there).

#4 - 04/30/2025 08:27 AM - hsbt (Hiroshi SHIBATA)

- Subject changed from ruby/ruby-dev-builder - macos-13 debug build failures, stops GHA master build updates to macos-13 debug build failures

#5 - 04/30/2025 07:20 PM - Eregon (Benoit Daloze)

It failed again:

<https://github.com/ruby/ruby-dev-builder/actions/runs/14739297053/job/41404925541>

```
1) Error:
TestWeakKeyMap#test_clear_bug_20691:
Test::Unit::ProxyError: execution of Test::Unit::CoreAssertions#assert_normal_exit expired timeout (10 sec)
pid 47217 killed by SIGTERM (signal 15)
|

/Users/runner/work/ruby-dev-builder/ruby-dev-builder/test/ruby/test_weakkeymap.rb:65:in 'TestWeakKeyMap#
test_clear_bug_20691'

2) Error:
TestObjSpace#test_trace_object_allocations_compaction_freed_pages:
Test::Unit::ProxyError: execution of Test::Unit::CoreAssertions#assert_normal_exit expired timeout (10 sec)
pid 57011 killed by SIGTERM (signal 15)
|

/Users/runner/work/ruby-dev-builder/ruby-dev-builder/test/objspace/test_objspace.rb:311:in 'TestObjSpace
#test_trace_object_allocations_compaction_freed_pages'

Finished tests in 801.448522s, 34.5761 tests/s, 7557.8192 assertions/s.
27711 tests, 6057203 assertions, 0 failures, 2 errors, 115 skips
```

And passed in the [latest build](#).

So these looks to me like transient tests (potentially just not long enough timeout) and for some reason they seem to happen somewhat more on

macos-13 / darwin-amd64.

But TestTracepointObj#test_teardown_with_active_GC_end_hook mentioned above is specific to debug builds.

#6 - 04/30/2025 07:25 PM - Eregon (Benoit Daloze)

Eregon (Benoit Daloze) wrote in [#note-5](#):

But TestTracepointObj#test_teardown_with_active_GC_end_hook mentioned above is specific to debug builds.

Maybe that was caused by <https://bugs.ruby-lang.org/issues/21292> (my guess given the assertion), if so it should be fixed by <https://github.com/ruby/ruby/commit/b42c8398ba84437cd6e96cbf6ccaf5ac5eff32b6>, let's see if it happens again (FYI [@tenderlovmaking \(Aaron Patterson\)](#)).