

Ruby master - Bug #8335

Performance regression with many threads

04/27/2013 01:08 AM - mperham (Mike Perham)

Status: Closed	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: ruby 2.0.0p0 (2013-02-24 revision 39474) [x86_64-darwin12.3.0]	Backport: 1.9.3: UNKNOWN, 2.0.0: UNKNOWN
Description I've created a simple case to reproduce a performance problem with Sidekiq. A customer is using 200 worker threads to process background jobs and finding it to be quite slow. To process 50,000 jobs, it takes Ruby 1.9.3 about 200 seconds. With Ruby 2.0, the time required is almost double. Please see instructions to reproduce the problem here: https://github.com/mperham/sidekiq/tree/master/myapp#ruby-20-slowness-with-big-concurrency	

History

#1 - 04/27/2013 02:04 AM - mperham (Mike Perham)

I have some concern about [#8211](#) so here's the info. Each VM was installed via rbenv.

```
ruby -v
ruby 1.9.3p374 (2013-01-15 revision 38858) [x86_64-darwin12.3.0]
ruby -e 'puts RUBY_DESCRIPTION, RbConfig::CONFIG["cflags"], RbConfig::CONFIG["CFLAGS"]'
ruby 1.9.3p374 (2013-01-15 revision 38858) [x86_64-darwin12.3.0]
-O3 -ggdb -Wall -Wextra -Wno-unused-parameter -Wno-parentheses -Wno-long-long -Wno-missing-field-initializers -Werror=pointer-arith
-Werror=write-strings -Werror=declaration-after-statement -Werror=shorten-64-to-32 -Werror=implicit-function-declaration
-g -O2 -Wno-error=shorten-64-to-32 -pipe
```

```
rbenv shell 2.0.0-p0
ruby -v
ruby 2.0.0p0 (2013-02-24 revision 39474) [x86_64-darwin12.3.0]
ruby -e 'puts RUBY_DESCRIPTION, RbConfig::CONFIG["cflags"], RbConfig::CONFIG["CFLAGS"]'
ruby 2.0.0p0 (2013-02-24 revision 39474) [x86_64-darwin12.3.0]
-O3 -fno-fast-math -ggdb3 -Wall -Wextra -Wno-unused-parameter -Wno-parentheses -Wno-long-long -Wno-missing-field-initializers
-Wunused-variable -Werror=pointer-arith -Werror=write-strings -Werror=declaration-after-statement -Werror=shorten-64-to-32
-Werror=implicit-function-declaration
-Wno-error=shorten-64-to-32 -pipe
```

#2 - 04/27/2013 02:23 AM - mperham (Mike Perham)

Confirmed. I rebuilt 2.0.0 with RUBY_CFLAGS="-O3" and now performance is as good or better than 1.9.3. You may close this issue.

#3 - 04/27/2013 02:43 AM - nagachika (Tomoyuki Chikanaga)

- Status changed from Open to Closed

Thank you for confirmation.

#4 - 04/27/2013 08:52 AM - bitsweat (Jeremy Daer)

Mike - also fixed @ <https://github.com/sstephenson/ruby-build/pull/351>