

## Ruby master - Bug #10749

### Possible overflow in GC::Profiler report on 2.2.0

01/16/2015 08:54 PM - kgrz (Kashyap K)

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Target version:</b>		
<b>ruby -v:</b>	2.2.0	<b>Backport:</b> 2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN

#### Description

I've been trying out the GC::Profiler module on both Ruby 2.1.0 and Ruby 2.2.0 based on the sample code present at <https://rubybench.org> and noticed a oddity in the output of GC::Profiler.report on Ruby 2.2.0. The code snippet I was experimenting with was the IO/File read present at [https://rubybench.org/ruby/ruby/releases?result\\_type=io\\_file\\_read](https://rubybench.org/ruby/ruby/releases?result_type=io_file_read)

The output of GC::Profiler.report has a possible overflow bug which causes it to output a really large value at some locations for that sample code and this issue is reproducible if the same code is run. I've posted the sample code and the report results for both Ruby 2.1.0 and Ruby 2.2.0 at this link: [https://github.com/kgrz/gc\\_profiles](https://github.com/kgrz/gc_profiles)

Notice the "Use Size" value's output in Ruby 2.2.0 for two runs:

Run 1: [https://github.com/kgrz/gc\\_profiles/blob/master/2.2.0-read.txt](https://github.com/kgrz/gc_profiles/blob/master/2.2.0-read.txt)

Run 2: [https://github.com/kgrz/gc\\_profiles/blob/master/2.2.0-read-run-two.txt](https://github.com/kgrz/gc_profiles/blob/master/2.2.0-read-run-two.txt)

#### History

##### #1 - 01/16/2015 09:27 PM - kgrz (Kashyap K)

I've been trying out the GC::Profiler and noticed an oddity in the report generated on Ruby 2.2.0 via GC::Profiler.report. The report generated outputs a really large value under Use Size header on 2.2.0 but this is not present in 2.1.0. This particular large value remains the same (as far I've tested it in multiple runs) across different runs.

I've posted the sample code and the report results for both Ruby 2.1.0 and Ruby 2.2.0 at this link: [https://github.com/kgrz/gc\\_profiles](https://github.com/kgrz/gc_profiles)

Notice the Use Size column's output in Ruby 2.2.0 in two runs:

Run 1: [https://github.com/kgrz/gc\\_profiles/blob/master/2.2.0-read.txt](https://github.com/kgrz/gc_profiles/blob/master/2.2.0-read.txt)

Run 2: [https://github.com/kgrz/gc\\_profiles/blob/master/2.2.0-read-run-two.txt](https://github.com/kgrz/gc_profiles/blob/master/2.2.0-read-run-two.txt)

##### #2 - 09/23/2020 10:11 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Closed