

## Ruby - Bug #16285

### Setting mtime to zero on Zlib::GzipWriter does nothing

10/30/2019 06:06 PM - alanwu (Alan Wu)

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Target version:</b>		
<b>ruby -v:</b>		<b>Backport:</b> 2.5: UNKNOWN, 2.6: UNKNOWN
<b>Description</b>		
Run the following script to observe the issue		
<pre>require 'zlib'  def write_gzip_file(content, mtime)   File.open('archievez.gz', 'w') do  f      gz = Zlib::GzipWriter.new(f)     gz.mtime = mtime     gz.write(content)     gz.close   end   system("file archievez.gz") end  write_gzip_file("current time", 0) write_gzip_file("one second from epoch", 1)</pre>		
<b>Output:</b>		
<pre>ruby 2.6.5p114 (2019-10-01 revision 67812) [x86_64-darwin18] archievez.gz: gzip compressed data, last modified: Wed Oct 30 18:04:07 2019, from Unix, original size 12 archievez.gz: gzip compressed data, last modified: Thu Jan 1 00:00:01 1970, from Unix, original size 21</pre>		
As you can see, setting mtime to 0 doesn't set the timestamp in the file header to be all zeros. The documentation for #mtime= says:		
If you do not set an mtime, the default value will be the time when compression started. Setting a value of 0 indicates no time stamp is available.		
which sounds like setting 0 should be a valid operation.		
I have a PR to fix this: <a href="https://github.com/ruby/zlib/pull/10">https://github.com/ruby/zlib/pull/10</a>		

#### History

#1 - 10/30/2019 06:07 PM - alanwu (Alan Wu)

- Description updated

#2 - 10/30/2019 06:12 PM - alanwu (Alan Wu)

- Description updated

#3 - 10/30/2019 06:14 PM - alanwu (Alan Wu)

- Subject changed from Setting mtime to zero Zlib::GzipWriter does nothing to Setting mtime to zero on Zlib::GzipWriter does nothing

#4 - 10/31/2019 05:38 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Closed