

Ruby - Bug #16285

Setting mtime to zero on Zlib::GzipWriter does nothing

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

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:		Backport: 2.5: UNKNOWN, 2.6: UNKNOWN
Description		
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 archieve.gz") end write_gzip_file("current time", 0) write_gzip_file("one second from epoch", 1)</pre>		
Output:		
<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: https://github.com/ruby/zlib/pull/10		

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