

## Ceph - Bug #10020

### bloom filter unit tests fail (power8)

11/05/2014 11:26 PM - Loic Dachary

<b>Status:</b>	New	<b>Start date:</b>	11/05/2014
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	common	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Source:</b>	other	<b>Reviewed:</b>	
<b>Tags:</b>		<b>Affected Versions:</b>	
<b>Backport:</b>		<b>ceph-qa-suite:</b>	
<b>Regression:</b>	No	<b>Pull request ID:</b>	
<b>Severity:</b>	3 - minor	<b>Crash signature:</b>	

**Description**

As of ac3c1cb5d0e17250fa147c11e42ed93e15b2184a unittest\_bloom\_filter fails with:

```
[ OK ] BloomFilter.Sweep (7763 ms)
[ RUN ] BloomFilter.SweepInt
# max fpp actual size B/insert density approx_element_count
16 0.00100 0.00375 71 4.43750 0.57328 18.34483
16 0.00400 0.01375 65 4.06250 0.59239 18.95652
16 0.01600 0.01500 60 3.75000 0.50000 16.00000
16 0.06400 0.06500 54 3.37500 0.53125 17.00000
16 0.25600 0.11625 48 3.00000 0.39583 12.66667
test/common/test_bloom_filter.cc:113: Failure
Value of: bf.density() > 0.40
Actual: false
Expected: true
[ FAILED ] BloomFilter.SweepInt (1 ms)
[ RUN ] BloomFilter.CompressibleSweep
# max ins est ins after tgtfpp actual size b/elem
1024 1024 1054 1054 0.01000 0.01000 1288 1.25781
1024 512 620 523 0.01000 0.01375 682 0.66602
1024 341 384 317 0.01000 0.00548 477 0.46582
1024 256 260 250 0.01000 0.00547 375 0.36621
1024 204 227 154 0.01000 0.00348 313 0.30566
test/common/test_bloom_filter.cc:162: Failure
Value of: actual > fpp / 2.0
Actual: false
Expected: true
[ FAILED ] BloomFilter.CompressibleSweep (32 ms)
[ RUN ] BloomFilter.BinSweep
total_inserts 16384 target-fpp 0.01000
bins 1 bin-max 16384 bin-fpp 0.01000 actual-fpp 0.00882 total-size 19689
```

### History

#1 - 06/11/2017 06:57 PM - Greg Farnum

- Status changed from New to Closed

Our unit tests aren't failing at the moment, so this must have been fixed.

#2 - 06/11/2017 07:23 PM - Loic Dachary

This test was failing on power8.

**#3 - 06/12/2017 04:52 AM - Nathan Cutler**

- *Status changed from Closed to New*

Reopening until someone can confirm that this unit test is no longer failing on POWER8.