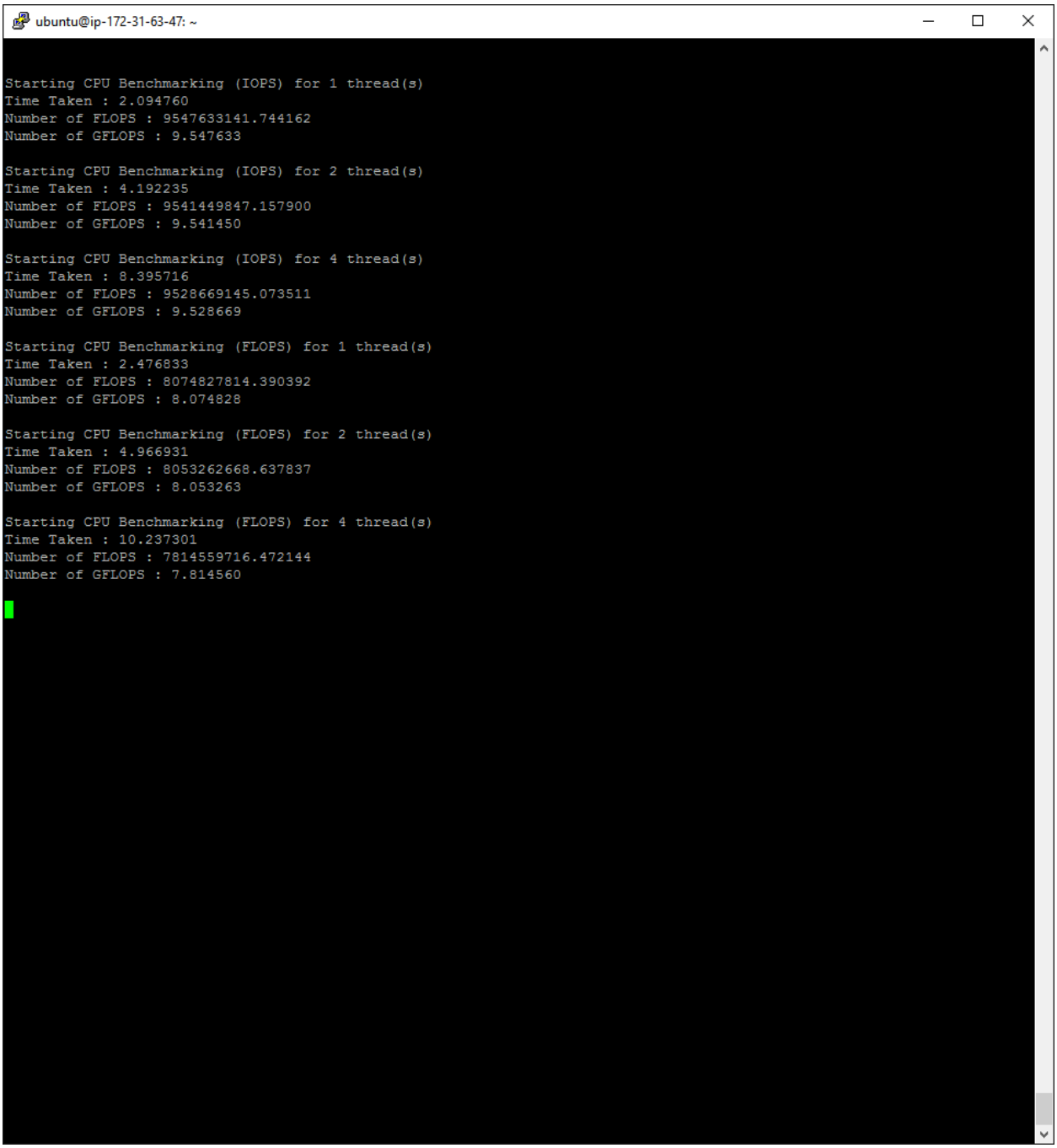
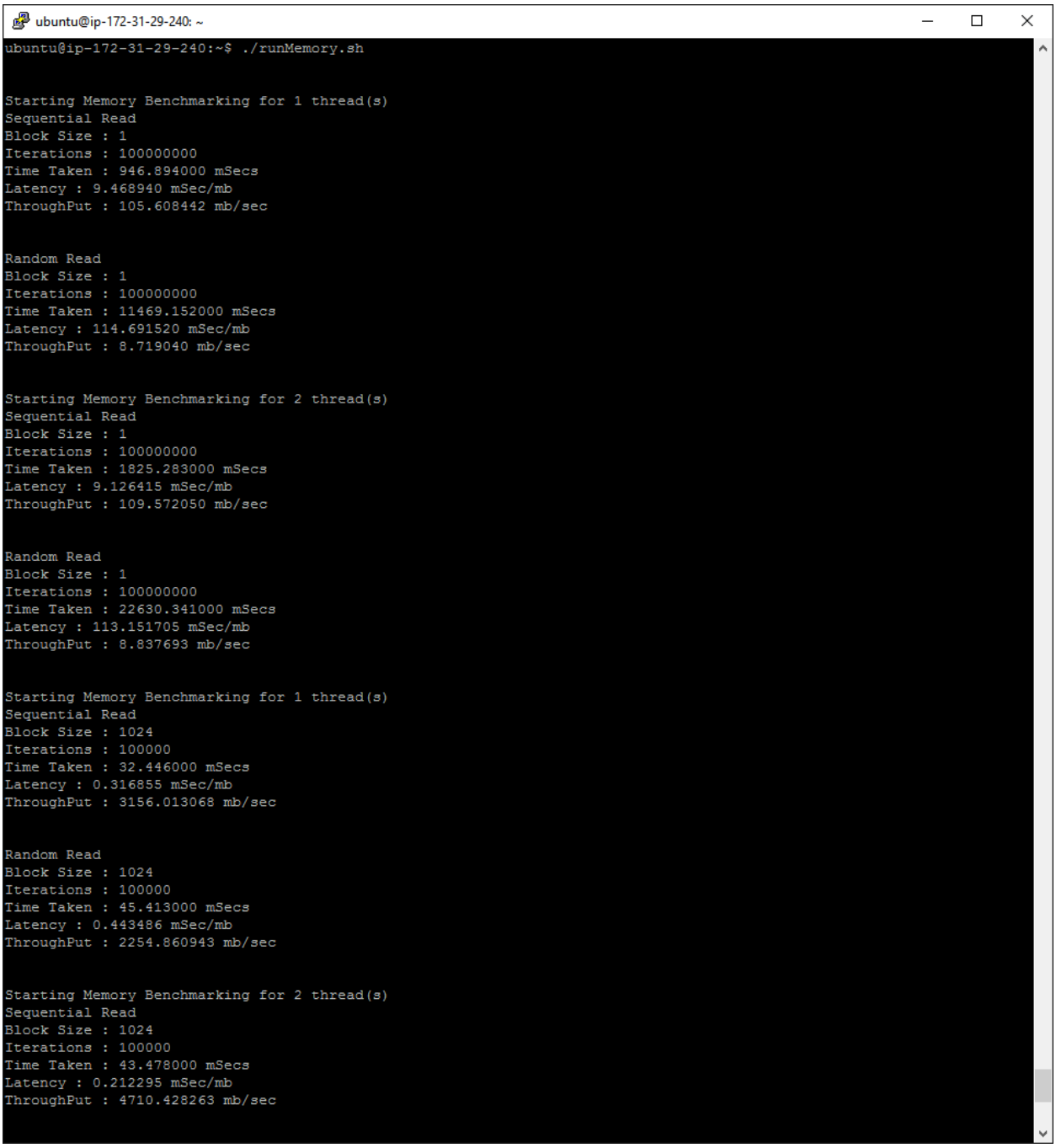
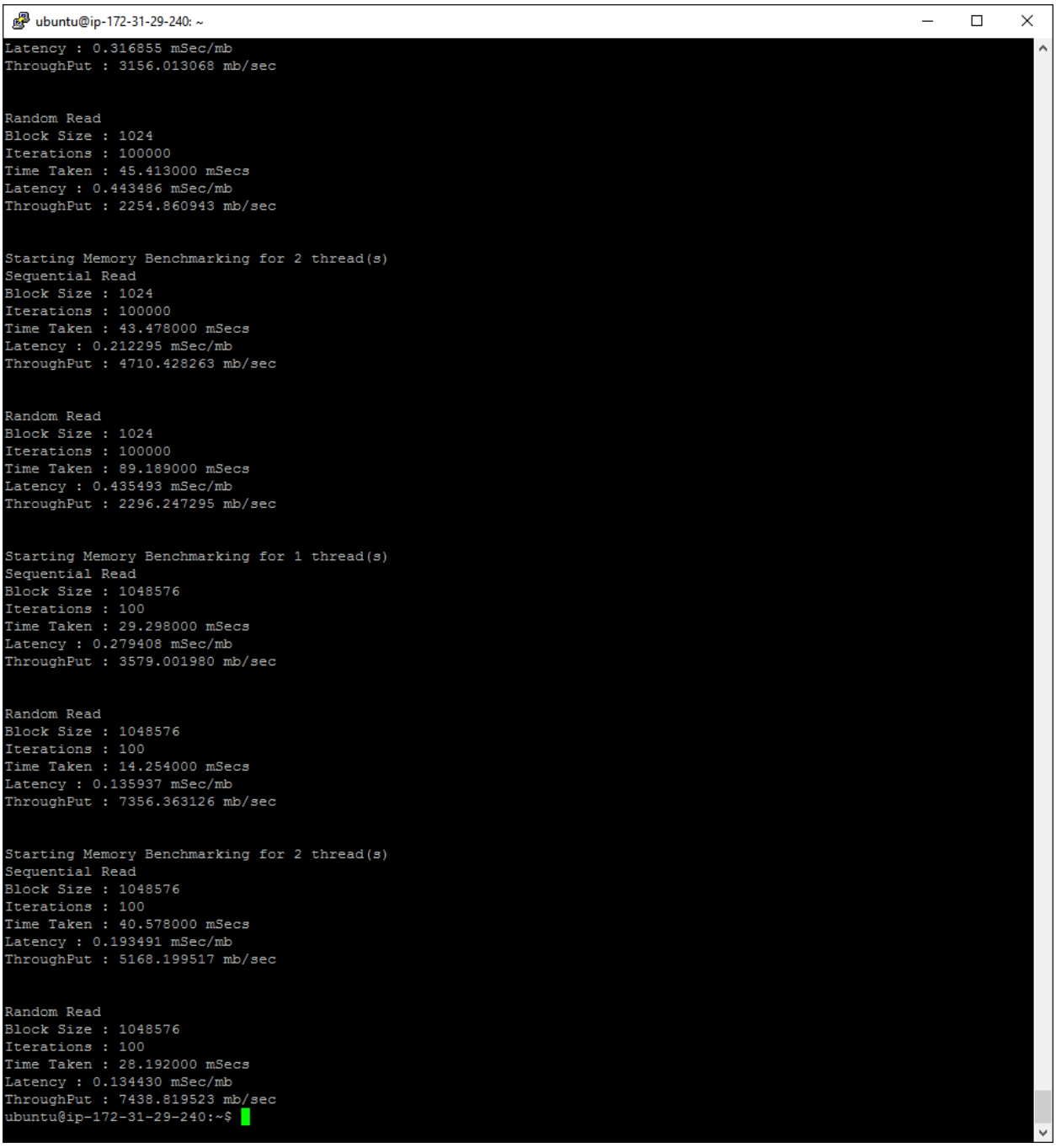
1) CPU Benchmarking

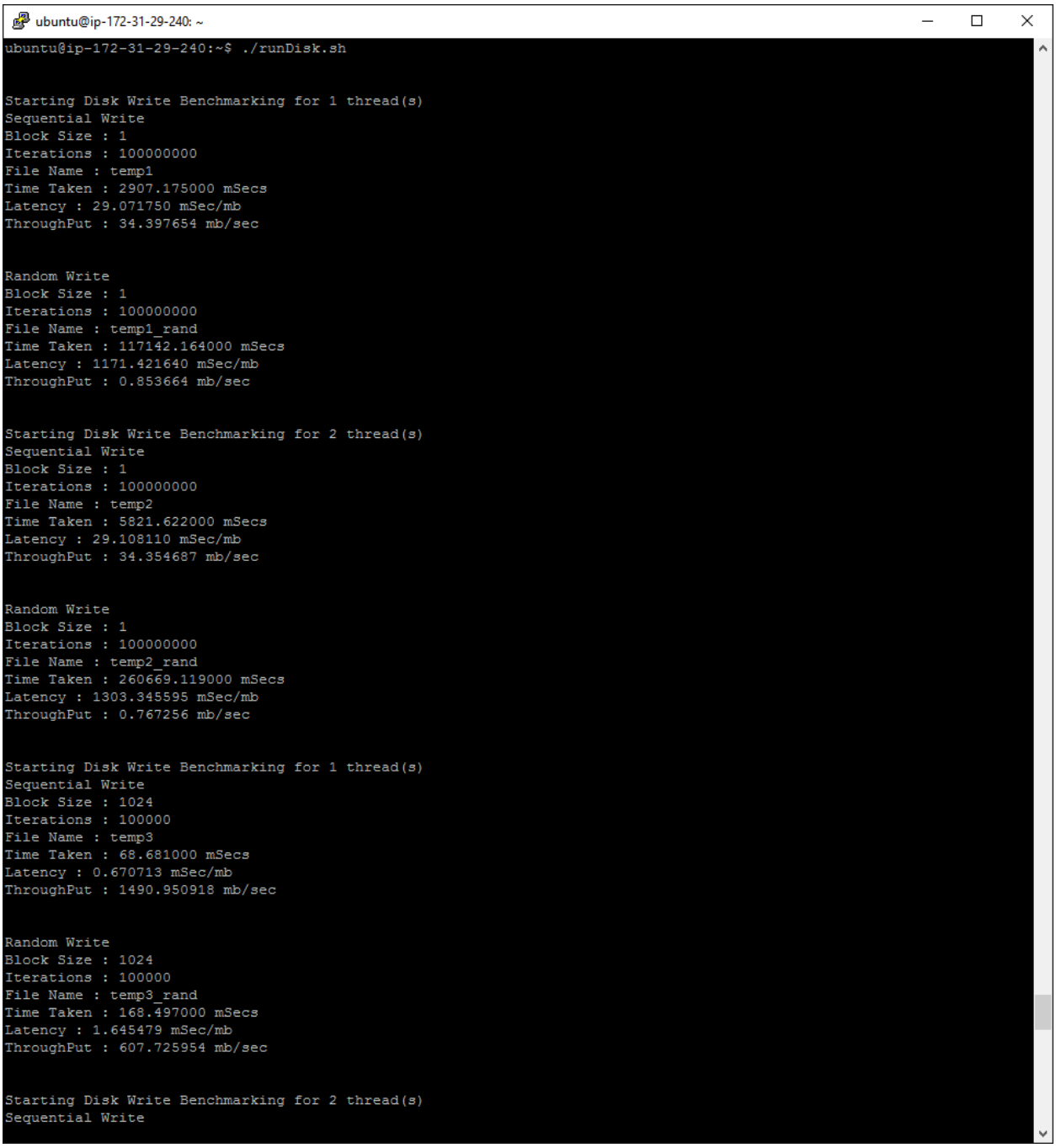


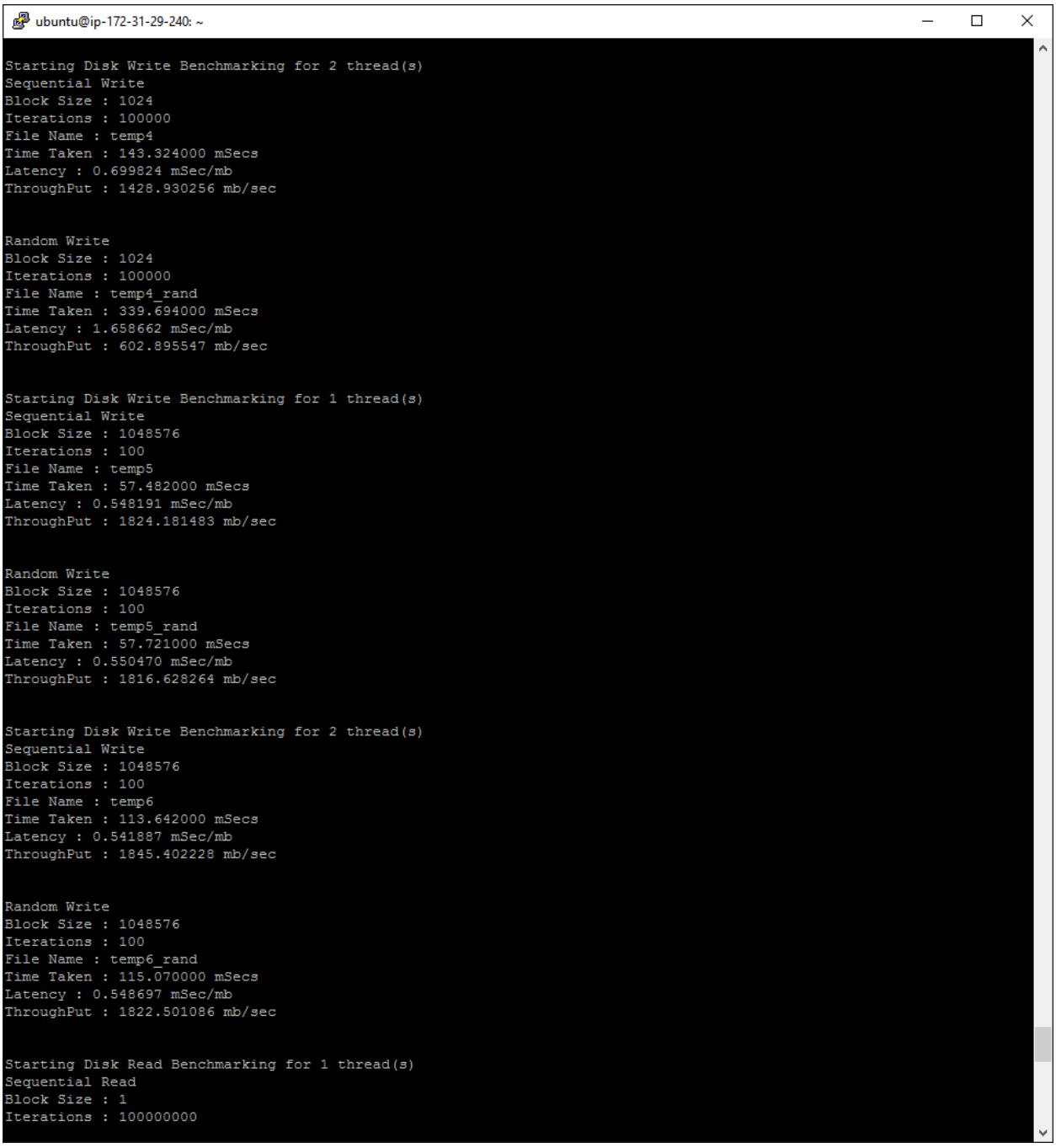
2) Memory Benchmarking

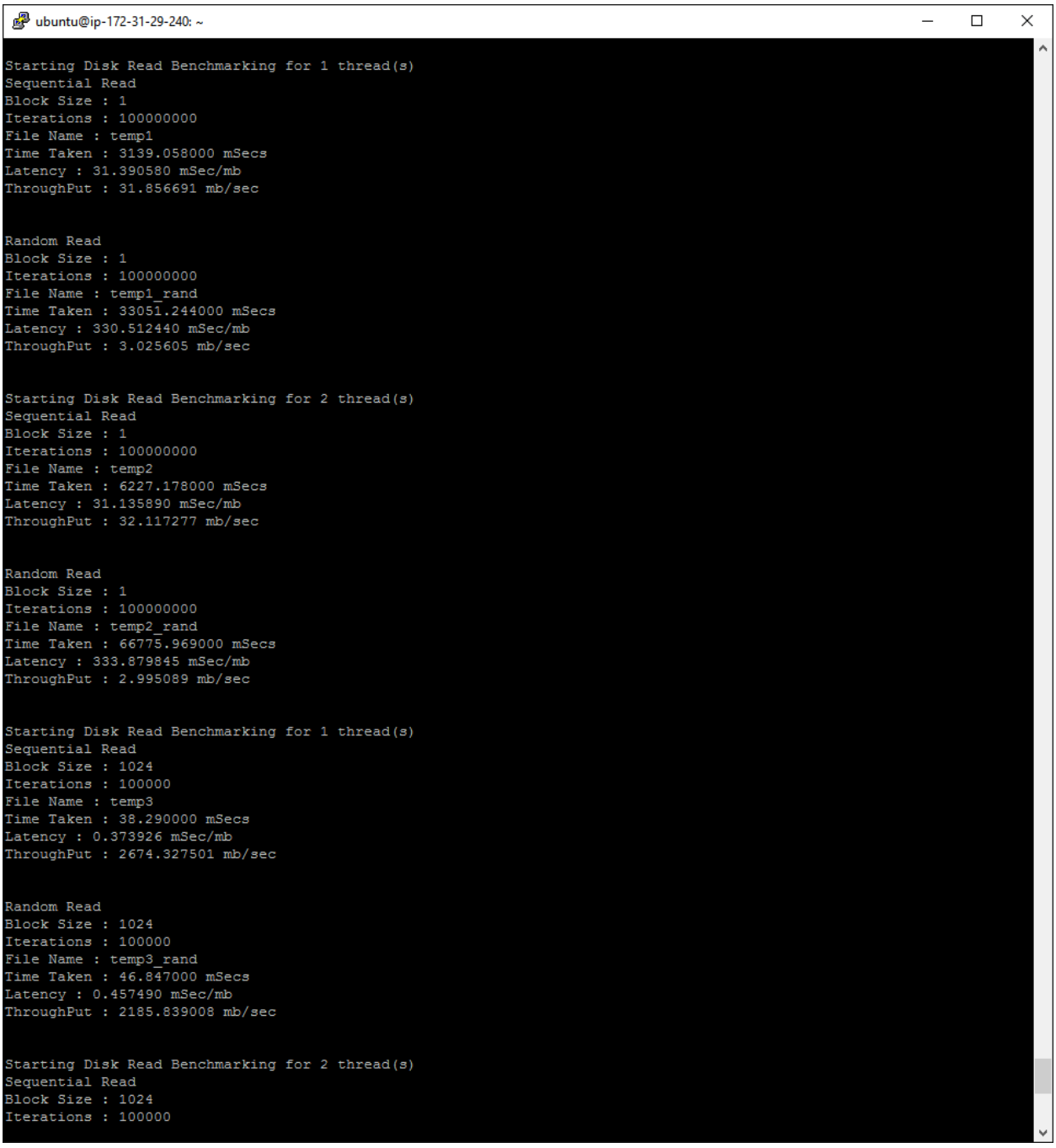


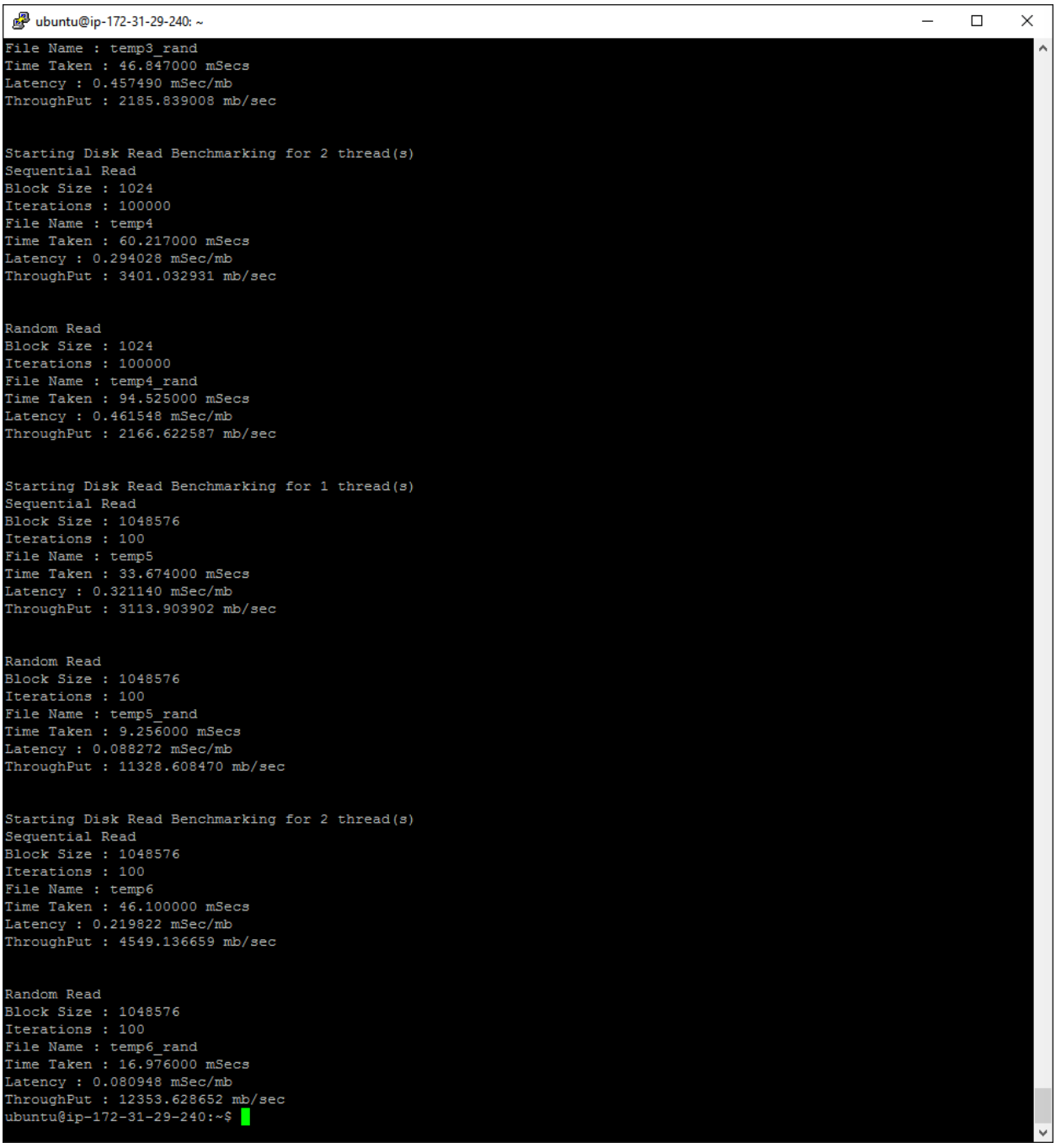

ubuntu@ip-172-31-29-240: ~
Latency : 0.316855 mSec/mb
ThroughPut : 3156.013068 mb/sec
Random Read
Block Size : 1024
Iterations : 100000
Time Taken : 45.413000 mSecs
Latency : 0.443486 mSec/mb
ThroughPut : 2254.860943 mb/sec
Starting Memory Benchmarking for 2 thread(s)
Sequential Read
Block Size : 1024
Iterations : 100000
Time Taken : 43.478000 mSecs
Latency : 0.212295 mSec/mb
ThroughPut : 4710.428263 mb/sec
Random Read
Block Size : 1024
Iterations : 100000
Time Taken : 89.189000 mSecs
Latency : 0.435493 mSec/mb
ThroughPut : 2296.247295 mb/sec
Starting Memory Benchmarking for 1 thread(s)
Sequential Read
Block Size : 1048576
Iterations : 100
Time Taken : 29.298000 mSecs
Latency : 0.279408 mSec/mb
ThroughPut : 3579.001980 mb/sec
Random Read
Block Size : 1048576
Iterations : 100
Time Taken : 14.254000 mSecs
Latency : 0.135937 mSec/mb
ThroughPut : 7356.363126 mb/sec
Starting Memory Benchmarking for 2 thread(s)
Sequential Read
Block Size : 1048576
Iterations : 100
Time Taken : 40.578000 mSecs
Latency : 0.193491 mSec/mb
ThroughPut : 5168.199517 mb/sec
Random Read
Block Size : 1048576
Iterations : 100
Time Taken : 28.192000 mSecs
Latency : 0.134430 mSec/mb
ThroughPut : 7438.819523 mb/sec
ubuntu@ip-172-31-29-240:~$

3) Disk Benchmarking

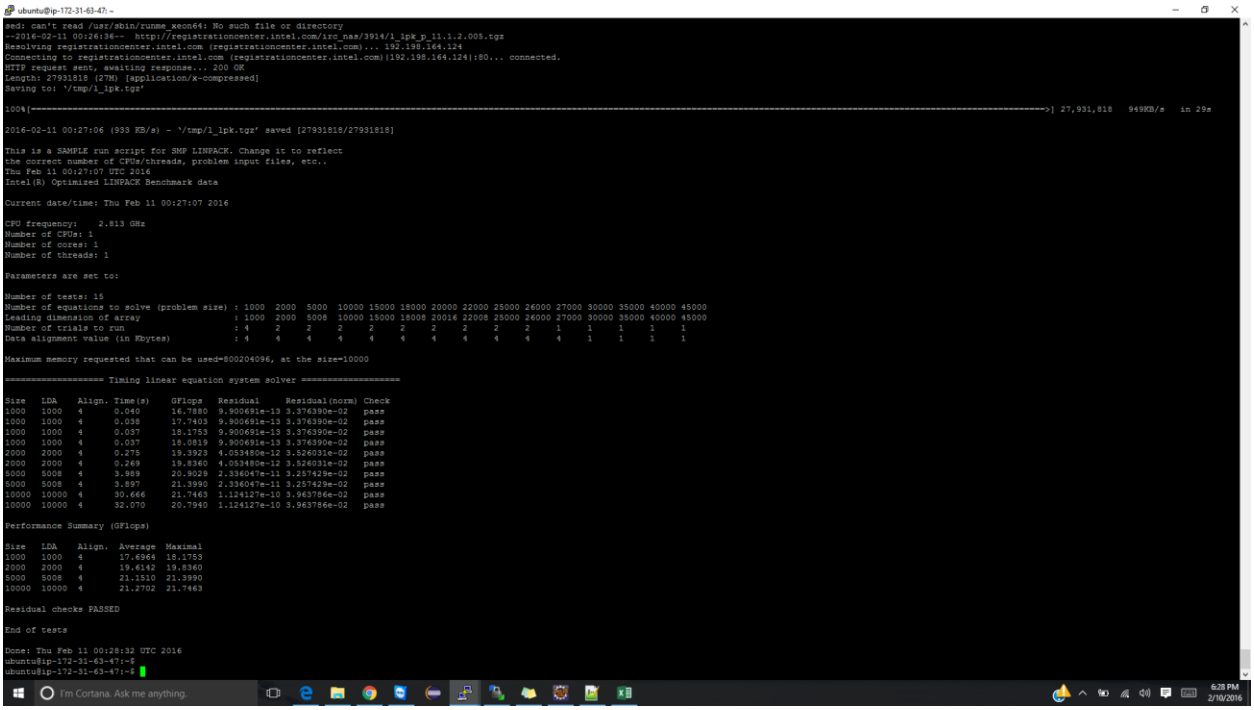



ubuntu@ip-172-31-29-240: ~
Starting Disk Write Benchmarking for 2 thread(s)
Sequential Write
Block Size : 1024
Iterations : 100000
File Name : temp4
Time Taken : 143.324000 mSecs
Latency : 0.699824 mSec/mb
ThroughPut : 1428.930256 mb/sec
Random Write
Block Size : 1024
Iterations : 100000
File Name : temp4_rand
Time Taken : 339.694000 mSecs
Latency : 1.658662 mSec/mb
ThroughPut : 602.895547 mb/sec
Starting Disk Write Benchmarking for 1 thread(s)
Sequential Write
Block Size : 1048576
Iterations : 100
File Name : temp5
Time Taken : 57.482000 mSecs
Latency : 0.548191 mSec/mb
ThroughPut : 1824.181483 mb/sec
Random Write
Block Size : 1048576
Iterations : 100
File Name : temp5_rand
Time Taken : 57.721000 mSecs
Latency : 0.550470 mSec/mb
ThroughPut : 1816.628264 mb/sec
Starting Disk Write Benchmarking for 2 thread(s)
Sequential Write
Block Size : 1048576
Iterations : 100
File Name : temp6
Time Taken : 113.642000 mSecs
Latency : 0.541887 mSec/mb
ThroughPut : 1845.402228 mb/sec
Random Write
Block Size : 1048576
Iterations : 100
File Name : temp6_rand
Time Taken : 115.070000 mSecs
Latency : 0.548697 mSec/mb
ThroughPut : 1822.501086 mb/sec
Starting Disk Read Benchmarking for 1 thread(s)
Sequential Read
Block Size : 1
Iterations : 100000000


ubuntu@ip-172-31-29-240: ~
Starting Disk Read Benchmarking for 1 thread(s)
Sequential Read
Block Size : 1
Iterations : 100000000
File Name : temp1
Time Taken : 3139.058000 mSecs
Latency : 31.390580 mSec/mb
ThroughPut : 31.856691 mb/sec
Random Read
Block Size : 1
Iterations : 100000000
File Name : temp1_rand
Time Taken : 33051.244000 mSecs
Latency : 330.512440 mSec/mb
ThroughPut : 3.025605 mb/sec
Starting Disk Read Benchmarking for 2 thread(s)
Sequential Read
Block Size : 1
Iterations : 100000000
File Name : temp2
Time Taken : 6227.178000 mSecs
Latency : 31.135890 mSec/mb
ThroughPut : 32.117277 mb/sec
Random Read
Block Size : 1
Iterations : 100000000
File Name : temp2_rand
Time Taken : 66775.969000 mSecs
Latency : 333.879845 mSec/mb
ThroughPut : 2.995089 mb/sec
Starting Disk Read Benchmarking for 1 thread(s)
Sequential Read
Block Size : 1024
Iterations : 100000
File Name : temp3
Time Taken : 38.290000 mSecs
Latency : 0.373926 mSec/mb
ThroughPut : 2674.327501 mb/sec
Random Read
Block Size : 1024
Iterations : 100000
File Name : temp3_rand
Time Taken : 46.847000 mSecs
Latency : 0.457490 mSec/mb
ThroughPut : 2185.839008 mb/sec
Starting Disk Read Benchmarking for 2 thread(s)
Sequential Read
Block Size : 1024
Iterations : 100000


ubuntu@ip-172-31-29-240: ~
File Name : temp3_rand
Time Taken : 46.847000 mSecs
Latency : 0.457490 mSec/mb
ThroughPut : 2185.839008 mb/sec
Starting Disk Read Benchmarking for 2 thread(s)
Sequential Read
Block Size : 1024
Iterations : 100000
File Name : temp4
Time Taken : 60.217000 mSecs
Latency : 0.294028 mSec/mb
ThroughPut : 3401.032931 mb/sec
Random Read
Block Size : 1024
Iterations : 100000
File Name : temp4_rand
Time Taken : 94.525000 mSecs
Latency : 0.461548 mSec/mb
ThroughPut : 2166.622587 mb/sec
Starting Disk Read Benchmarking for 1 thread(s)
Sequential Read
Block Size : 1048576
Iterations : 100
File Name : temp5
Time Taken : 33.674000 mSecs
Latency : 0.321140 mSec/mb
ThroughPut : 3113.903902 mb/sec
Random Read
Block Size : 1048576
Iterations : 100
File Name : temp5_rand
Time Taken : 9.256000 mSecs
Latency : 0.088272 mSec/mb
ThroughPut : 11328.608470 mb/sec
Starting Disk Read Benchmarking for 2 thread(s)
Sequential Read
Block Size : 1048576
Iterations : 100
File Name : temp6
Time Taken : 46.100000 mSecs
Latency : 0.219822 mSec/mb
ThroughPut : 4549.136659 mb/sec
Random Read
Block Size : 1048576
Iterations : 100
File Name : temp6_rand
Time Taken : 16.976000 mSecs
Latency : 0.080948 mSec/mb
ThroughPut : 12353.628652 mb/sec
ubuntu@ip-172-31-29-240:~$

4) Linpack

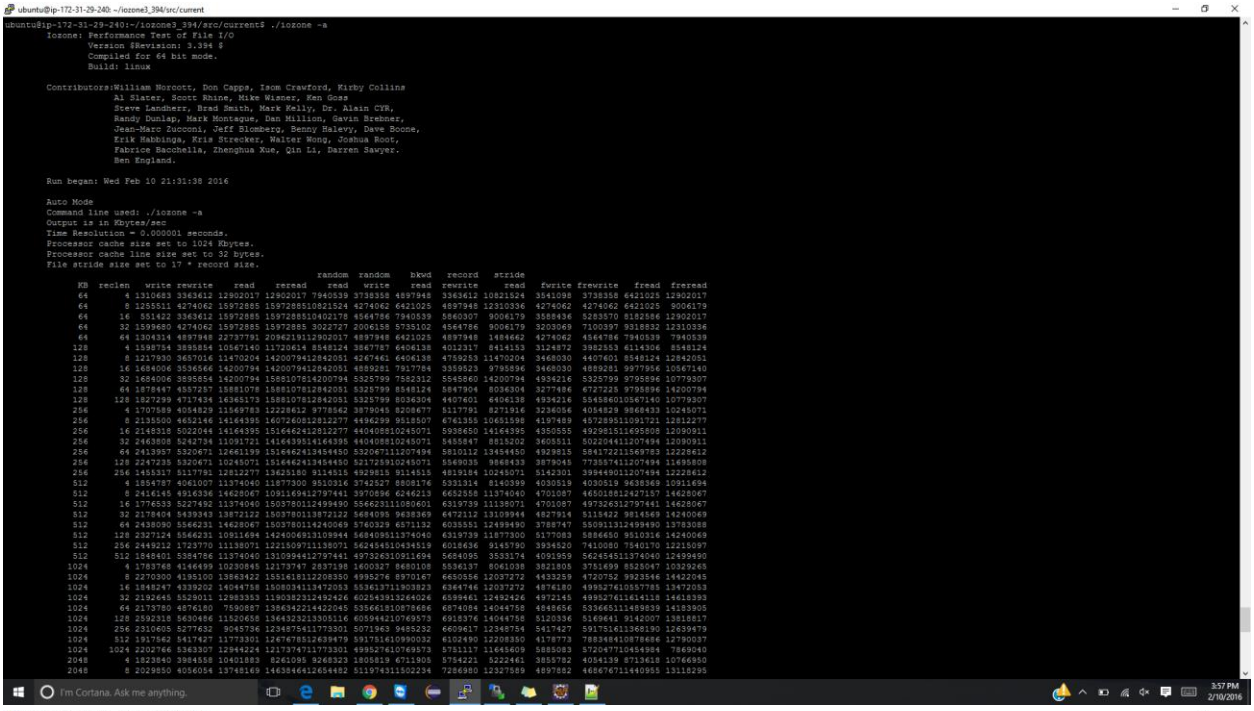

ubuntu@ip-172-31-63-47: ~
sed: can't read /usr/sbin/runme_xeon64: No such file or directory
--2016-02-11 00:26:36-- http://registrationcenter.intel.com/irc_nas/3914/l_lpk_p_11.1.2.005.tgz
Resolving registrationcenter.intel.com (registrationcenter.intel.com)... 192.198.164.124
Connecting to registrationcenter.intel.com (registrationcenter.intel.com)|192.198.164.124|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 27931818 (27M) [application/x-compressed]
Saving to: '/tmp/l_lpk.tgz'
100%[=========>] 27,931,818 949KB/s   in 29s
2016-02-11 00:27:06 (933 KB/s) - '/tmp/l_lpk.tgz' saved [27931818/27931818]
This is a SAMPLE run script for SMP LINPACK. Change it to reflect
the correct number of CPUs/threads, problem input files, etc..
Thu Feb 11 00:27:07 UTC 2016
Intel(R) Optimized LINPACK Benchmark data
Current date/time: Thu Feb 11 00:27:07 2016
CPU frequency: 2.813 GHz
Number of CPUs: 1
Number of cores: 1
Number of threads: 1
Parameters are set to:
Number of tests: 15
Number of equations to solve (problem size) : 1000 2000 5000 10000 15000 18000 20000 22000 25000 26000 27000 30000 35000 40000 45000
Leading dimension of array   : 1000 2000 5008 10000 15000 18008 20016 22008 25000 26000 27000 30000 35000 40000 45000
Number of trials to run   : 4   2   2   2   2   2   2   2   2   2   1   1   1   1   1
Data alignment value (in Kbytes)   : 4   4   4   4   4   4   4   4   4   4   4   1   1   1   1
Maximum memory requested that can be used=800204096, at the size=10000
================== Timing linear equation system solver ==================
Size   LDA   Align. Time(s)   GFlops   Residual   Residual(norm) Check
1000   1000   4   0.040   16.7880 9.900691e-13 3.376390e-02   pass
1000   1000   4   0.038   17.7403 9.900691e-13 3.376390e-02   pass
1000   1000   4   0.037   18.1753 9.900691e-13 3.376390e-02   pass
1000   1000   4   0.037   18.0819 9.900691e-13 3.376390e-02   pass
2000   2000   4   0.275   19.3923 4.053480e-12 3.526031e-02   pass
2000   2000   4   0.269   19.8360 4.053480e-12 3.526031e-02   pass
5000   5008   4   3.989   20.9029 2.336047e-11 3.257429e-02   pass
5000   5008   4   3.897   21.3990 2.336047e-11 3.257429e-02   pass
10000 10000 4   30.666   21.7463 1.124127e-10 3.963786e-02   pass
10000 10000 4   32.070   20.7940 1.124127e-10 3.963786e-02   pass
Performance Summary (GFlops)
Size   LDA   Align. Average Maximal
1000   1000   4   17.6964 18.1753
2000   2000   4   19.6142 19.8360
5000   5008   4   21.1510 21.3990
10000 10000 4   21.2702 21.7463
Residual checks PASSED
End of tests
Done: Thu Feb 11 00:28:32 UTC 2016
ubuntu@ip-172-31-63-47:~$
ubuntu@ip-172-31-63-47:~$
I'm Cortana. Ask me anything.
6:28 PM
2/10/2016

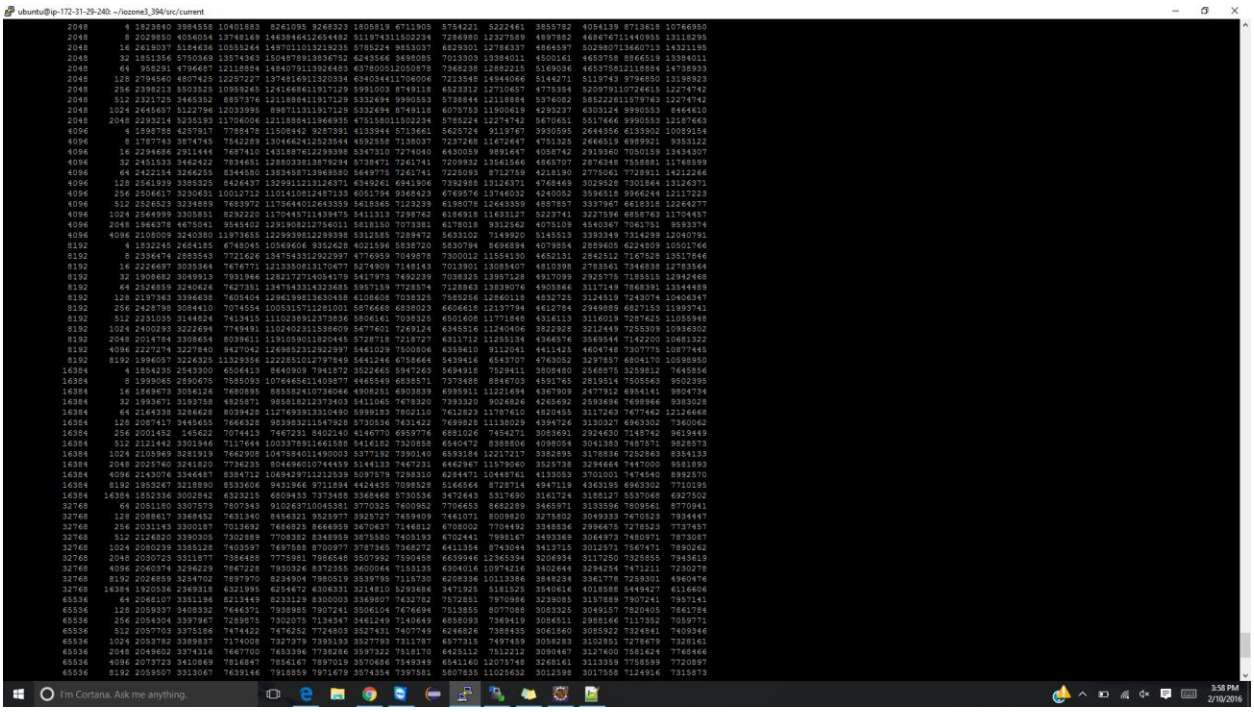
5) STREAM

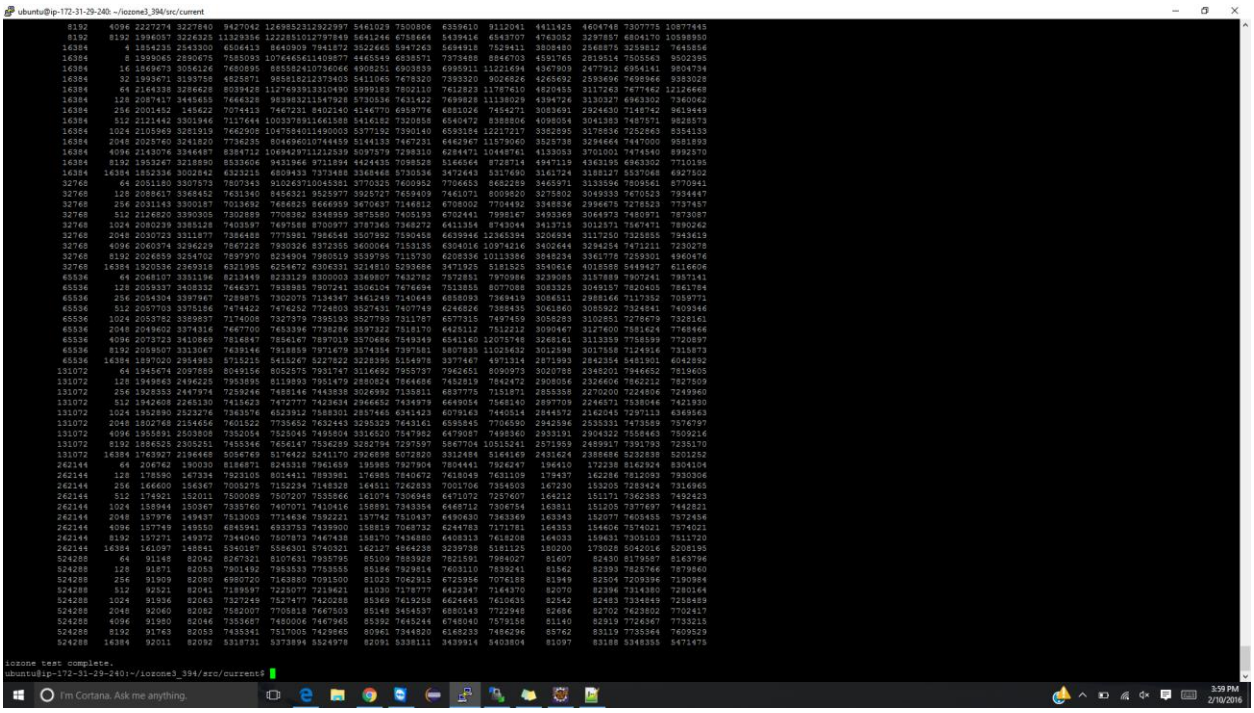
ubuntu@ip-172-31-50-207: ~

```
ubuntu@ip-172-31-50-207:~$ ./stream.sh
-------------------------------------------------------------
STREAM version $Revision: 5.10 $
-------------------------------------------------------------
This system uses 8 bytes per array element.
-------------------------------------------------------------
Array size = 10000000 (elements), Offset = 0 (elements)
Memory per array = 76.3 MiB (= 0.1 GiB).
Total memory required = 228.9 MiB (= 0.2 GiB).
Each kernel will be executed 10 times.
 The *best* time for each kernel (excluding the first iteration)
 will be used to compute the reported bandwidth.
-------------------------------------------------------------
Your clock granularity/precision appears to be 1 microseconds.
Each test below will take on the order of 28747 microseconds.
   (= 28747 clock ticks)
Increase the size of the arrays if this shows that
you are not getting at least 20 clock ticks per test.
-------------------------------------------------------------
WARNING -- The above is only a rough guideline.
For best results, please be sure you know the
precision of your system timer.
-------------------------------------------------------------
Function    Best Rate MB/s  Avg time     Min time     Max time
Copy:            5548.2     0.028954     0.028838     0.029063
Scale:           5414.8     0.029697     0.029549     0.030000
Add:             7750.2     0.031176     0.030967     0.031589
Triad:           7279.6     0.033083     0.032969     0.033219
-------------------------------------------------------------
Solution Validates: avg error less than 1.000000e-13 on all three arrays
-------------------------------------------------------------
ubuntu@ip-172-31-50-207:~$
```

6) IOZone


ubuntu@ip-172-31-29-240: ~/iozone3_394/src/current
ubuntu@ip-172-31-29-240:~/iozone3_394/src/current$ ./iozone -a
Iozone: Performance Test of File I/O
Version $Revision: 3.394 $
Compiled for 64 bit mode.
Build: linux
Contributors:William Norcott, Don Capps, Isom Crawford, Kirby Collins
Al Slater, Scott Rhine, Mike Wisner, Ken Goss
Steve Landherr, Brad Smith, Mark Kelly, Dr. Alain CYR,
Randy Dunlap, Mark Montague, Dan Million, Gavin Brebner,
Jean-Marc Zucconi, Jeff Blomberg, Benny Halevy, Dave Boone,
Erik Habbinga, Kris Strecker, Walter Wong, Joshua Root,
Fabrice Bacchella, Zhenghua Xue, Qin Li, Darren Sawyer.
Ben England.
Run began: Wed Feb 10 21:31:38 2016
Auto Mode
Command line used: ./iozone -a
Output is in Kbytes/sec
Time Resolution = 0.000001 seconds.
Processor cache size set to 1024 Kbytes.
Processor cache line size set to 32 bytes.
File stride size set to 17 * record size.
KB reclen write rewrite read reread read write read rewrite read fwrite frewrite fread freread
64 4 1310683 3363612 12902017 12902017 7940539 3738358 4897848 3363612 10821524 3541098 3738358 6421025 12902017
64 8 1255511 4274062 15972885 15972885 10821524 4274062 6421025 4897948 12310336 4274062 4274062 6421025 9006179
64 16 551422 3363612 15972885 15972885 10402178 4564786 7940539 5860307 9006179 3588436 5283570 8182586 12902017
64 32 1599680 4274062 15972885 15972885 3022727 2006158 5735102 4564786 9006179 3203069 7100397 9318832 12310336
64 64 1304314 4897948 22737791 20962191 12902017 4897948 6421025 4897948 1484662 4274062 4564786 7940539 7940539
128 4 1598754 3895854 10567140 11720614 8548124 3867787 6406138 4012317 8414153 3124872 3982553 6114306 8548124
128 8 1217930 3657016 11470204 14200794 12842051 4267461 6406138 4759253 11470204 3468030 4407601 8548124 12842051
128 16 1684006 3536566 14200794 14200794 12842051 4889281 7917784 3359523 9795896 3468030 4889281 9977956 10567140
128 32 1684006 3895854 14200794 15881078 12842051 5325799 7582312 5565860 14200794 4934216 5325799 9795896 10779307
128 64 1878647 4337257 13881078 15881078 12842051 5325799 8548124 5847904 8036304 3277486 6727225 9795896 14200794
128 128 1827299 4717434 16365173 15881078 12842051 5325799 8036304 4407601 6406138 4934216 5545860 10367140 10779307
256 4 1707589 4054829 11569783 12228612 9778562 3879045 8208677 5117791 8271916 3236056 4054829 9868433 10245071
256 8 2135500 4652146 14164395 16072608 12812277 4496299 9518507 6761355 10651598 4197489 4572895 11091721 12812277
256 16 2148338 5022064 14164395 15166624 12812277 4404088 10245071 5938650 14164395 4350555 4929851 11695808 12090811
256 32 2463808 5242734 11091721 14164395 14164395 4404088 10245071 5455847 8815202 3605511 5022044 11207494 12090811
256 64 2413957 5320671 12661199 15166624 13454450 5320671 11207494 5810112 13454450 4929815 5841722 11569783 12228612
256 128 2247235 5320671 10245071 15166624 13454450 5217259 10245071 5569035 9868433 3879045 7735574 11207494 11695808
256 256 1455357 5117781 12812277 13625180 9114515 4928815 9114515 4819184 10245071 5142301 3984490 11207494 12228612
512 4 1854787 4061007 11374040 11877300 9510316 3742527 8808176 5331314 8140399 4030519 4030519 9638369 10911694
512 8 2416145 4916336 14628067 10911694 12797441 3970896 6246213 6652558 11374040 4701087 4650188 12427157 14628067
512 16 1776533 5227492 11374040 15037801 12499490 5566231 11080601 6319739 11138071 4701087 4973263 12797441 14628067
512 32 2178404 5439343 13872122 15037801 13872122 5684095 9638369 6472112 13109944 4827914 5115422 9814569 14240069
512 64 2438090 5566231 14628067 15037801 14240069 5760329 6571132 6035551 12499490 3788747 5509131 12429490 13783088
512 128 2327124 5566231 10911694 14240069 13109944 5684095 11374040 6319739 11877300 5177083 5886650 9510316 14240069
512 256 2449212 1723770 11138071 12215097 11138071 5624545 10434519 6018636 9143790 3934520 7410080 7540170 12215097
512 512 1849401 5384786 11374040 13109944 12797441 4975263 10911694 5684095 3533174 4091959 5624545 11374040 12499490
1024 4 1783768 4146499 10230845 12173747 2837198 1600327 8680108 5536137 8061038 3821805 3731699 8525047 10329265
1024 8 2270300 4195100 13863422 15516181 12208350 4995276 8970167 6650556 12037272 4433259 4720752 9923546 14422045
1024 16 1848247 4339202 14044758 15080341 13472053 5336137 11903823 6344746 12037272 4876180 4995276 10557785 13472053
1024 32 2192645 5529011 12983353 11903823 12492426 6025439 13264026 6599461 12492426 4972145 4995276 11614118 14618393
1024 64 2173780 4876180 7590887 13863422 12442045 5356618 10878686 6874084 14044758 4848656 5336655 11489839 14183905
1024 128 2592318 5630486 11820658 13643232 13305116 6059442 10769573 6918376 14044758 5120336 5169641 9142007 13818617
1024 256 2310605 5277632 9045736 12348756 11773301 5071963 9485232 6609617 12368754 5417427 5917516 11368190 12639479
1024 512 1917862 5417427 11773301 16747881 12638479 5917516 10990032 6102490 12208350 4178773 7883684 10878686 12790037
1024 1024 2202766 5363307 12944224 12173747 11773301 6995276 10769573 5731117 11643609 5885083 5720477 10454984 7869040
2048 4 1823840 3984558 10401883 8261095 9268323 1805819 6711905 5754221 5222461 3855782 4034139 8713618 10766950
2048 8 2029850 4056054 13748169 14638466 12654482 5119743 11502234 7286980 12327589 4897882 4686767 11440955 13118295
2048 16 2615907 5184636 10655264 14971011 12321135 5785224 9853037 6829301 12786337 4864497 5029807 13660713 14321195
2048 32 1851356 5750369 13574363 15048789 13836752 6243566 3698085 7013303 13384011 4500161 4653758 8866519 13384011
2048 64 958291 4796687 12118884 14840791 13924483 6378000 12050878 7368238 12882215 5169036 4653758 12111884 14738933
2048 128 2796560 4807425 12257227 13748169 11320334 6340344 11706006 7213548 14944066 5144271 5119743 9796850 13198923
2048 256 2399213 5383525 10869240 12146866 13917129 5991002 8749118 6523312 12710457 4775354 5209791 10726615 12274742
2048 512 2321725 3465352 8857376 12118884 11917129 5332694 9990553 5738844 12118864 5376082 5852228 11579763 12274742
2048 1024 2645657 5122796 12033995 8987113 11917129 5332694 8749118 6075753 11900619 4293237 6303124 9990553 8464610
2048 2048 2293214 5236193 11706006 12118884 11966935 4751580 11502234 5785224 12274742 5670651 5817666 9990553 12187663
4096 4 1898758 4257917 7788478 11550842 9287391 4133944 5713661 5625724 9119767 3930596 2644356 6133902 10089156
4096 8 1787743 3874745 7542289 13046624 12523544 4592558 7138037 7237268 11672447 4751325 2666519 6989921 9353122
4096 16 2294686 2911444 7687410 14318876 12299398 5347310 7274040 6430059 9891647 4058742 2919360 7050159 13434307
4096 32 2451533 3462422 7834681 12880338 13879294 5738471 7261741 7209932 13561566 4863707 2876348 7558881 11748599
4096 64 2422154 3262255 8334580 13145873 13968580 5449775 7261741 7225093 8712758 4218190 2775061 7728911 14212266
4096 128 2561939 3385325 8426437 13299112 13126371 6349261 6941906 7392988 13126371 4768469 3029528 7301864 13126371
4096 256 2506617 3230631 10012712 11014108 12487133 6051794 9368423 6769576 13746032 4240052 3596518 9966244 12117223
4096 512 2526523 3234889 7683972 11736440 12643359 5618365 7123239 6198078 12643359 4887857 3337967 6618318 12264277
4096 1024 2544999 3305851 8292220 11736457 13139575 5411313 7298762 6169818 11433127 5223761 3227596 6858783 11704457
4096 2048 1966378 4675041 9545402 12919082 12756011 5818150 7073381 6178018 9312562 4075109 4540367 7061751 9593374
4096 4096 2108009 3240380 11973655 12299398 12299398 5312585 7289472 5633102 7149920 5149519 3393349 7314299 12040791
8192 4 1832245 2684185 6748045 10569606 9352620 4021596 5838720 5830794 8696894 4079854 2889605 6224809 10501766
8192 8 2336674 2885943 7721626 13475493 12922997 5776955 7049878 7530012 11556130 4652153 2842512 7167528 13517846
8192 16 2226697 3035364 7676771 12133508 13170677 5274909 7148143 7013901 13085407 4810398 2783561 7346838 12783564
8192 32 1908682 3049913 7931966 12821727 14054179 5417973 7692239 7038325 13957128 4917099 2925775 7185515 12942468
8192 64 2524859 3240626 7627381 13475433 14323685 5957159 7728574 7128863 13839076 4903866 3117149 7868391 13544489
8192 128 2397363 3396638 7605404 12963199 13630348 6108608 7038325 6855256 12860118 4832723 3124519 7243076 10496347
8192 256 2428798 3084410 7074554 10053157 11281001 5876668 6838023 6606618 12137794 4612784 2949889 6827153 11993741
8192 512 2231035 3144824 7413415 11102389 12373836 5806161 7038325 6501608 11771848 4316113 3116019 7287625 11055948
8192 1024 2490293 3222694 7749491 11024023 11538609 5677601 7269126 6345516 11240406 3822928 3212449 7253309 10936302
8192 2048 2014784 3300664 8039661 11241993 12820498 5728718 7218727 6331712 11255134 4366576 3569544 7142200 10681322
8192 4096 2227274 3227840 9427042 12698523 12922997 5461029 7500806 6339610 9112041 4411425 4604748 7307775 10877445
8192 8192 1996057 3226325 11329356 12228510 12797849 5641246 6758666 5439416 6543707 4763052 3287857 6804170 10598850
16384 4 1854235 2543300 6506413 8640909 7941572 3522665 5947260 5694918 7529411 3808480 2568875 3259812 7645856
16384 8 1999065 2890675 7585093 10766656 11409877 4665549 6838571 7373488 8846703 4591765 2819514 7505563 9502395
16384 16 1869673 3056126 7680895 8855826 10730266 4908251 6903839 6995911 11221694 4367909 2477912 6954141 9804734
16384 32 1993671 3193758 4825871 9858182 12373403 5411065 7678320 7393320 9026826 4265692 2593696 7698966 9383028
16384 64 2144308 3286628 8039428 11274939 13310490 5899183 7802110 7612823 11787610 4820455 3117263 7677462 12126468
16384 128 2087417 3445655 7666328 9838832 11547928 5730536 7631422 7699828 11138029 4394726 3130327 6963302 7360062
16384 256 2001452 145622 7074413 7467231 8402140 4146770 6959776 6881026 7454271 3083691 2924630 7148742 9619449
16384 512 2121442 3301946 7117644 10033789 11661588 5416182 7320858 6540472 8388806 4098054 3041383 7487571 9828573
16384 1024 2105969 3261919 7662908 10475840 11490003 5377192 7390140 6593184 12217217 3382995 3178836 7252863 8354133
16384 2048 2025760 3241820 7736235 8046960 10744459 5144133 7467231 6462967 11579060 3525738 3294664 7447000 9581893
16384 4096 2143076 3346487 8384712 10694297 11212539 5097579 7298310 6284471 10448761 4133053 3701001 7474540 8992570
16384 8192 1955267 3218890 8533606 9431966 9711894 4424435 7098528 5166564 8728714 4947119 4363195 6963302 7710195
16384 16384 2322336 3002842 6523215 6809433 7373488 3366468 5730536 5432643 5317690 3161724 3161327 5537068 6927502
32768 64 2051180 3307573 7807343 9102637 10045381 3770325 7600952 7706653 8682289 3465971 3133596 7809561 8770941
32768 128 2088617 3368452 7631340 8456321 9529977 3925727 7659409 7461071 8009820 3275802 3049333 7670523 7934447
32768 256 2031143 3300187 7013692 7686825 8666959 3670637 7146812 6708002 7704492 3348836 2996675 7278523 7737457
32768 512 2126820 3390903 7670358 7730282 8348959 3875580 7406193 6702441 7988167 3493360 3064973 7480871 7873087
32768 1024 2080239 3385128 7403597 7697588 8700977 3787365 7368272 6411354 8743044 3413715 3012571 7567471 7890262
32768 2048 2030723 3311877 7386488 7775981 7986548 3507992 7590458 6639946 12365394 3206934 3117250 7325855 7943619
32768 4096 2060374 3296229 7867228 7930326 8372355 3600066 7153135 6304016 10974216 3402644 3294254 7471211 7230278
32768 8192 2026859 3254702 7897970 8234906 7980519 3539795 7315730 6208336 10113386 3848238 3361778 7293301 4960676
32768 16384 1920536 2369318 6321995 6254672 6306331 3214810 5293686 3471925 5181525 3540616 4018588 5449427 6116606
65536 64 2068107 3351186 8213449 8233129 8300003 3369807 7632782 7572851 7970986 3239085 3157889 7807241 7957141
65536 128 2059337 3408332 7646371 7938985 7907241 3506104 7676694 7513855 8077088 3083325 3049157 7820405 7861784
65536 256 2054304 3397967 7283875 7730275 7134347 3461249 7140649 6858093 7369419 3056517 2983166 7117352 7059771
65536 512 2057703 3375186 7474422 7476252 7724803 3527431 7407749 6246826 7388435 3061860 3085922 7324841 7409346
65536 1024 2053782 3389837 7174008 7327379 7395193 3527793 7311787 6577315 7497459 3058283 3102851 7278679 7328161
65536 2048 2049602 3374316 7667700 7653396 7738286 3597322 7518170 6425112 7512212 3090467 3127600 7581624 7768466
65536 4096 2073723 3410869 7816467 7856167 7897015 3570686 7549349 6543160 7203578 3249162 3133359 7758598 7720197
65536 8192 2059507 3313067 7639146 7918859 7971679 3574354 7397581 5807835 11025632 3012598 3017558 7124916 7315873


ubuntu@ip-172-31-29-240: ~/iozone3_394/src/current
2048 4 1823840 3984558 10401883 8261095 9268323 1805819 6711905 5754221 5222461 3855782 4034139 8713618 10766950
2048 8 2029850 4056054 13748169 14638466 12654482 5119743 11502234 7286980 12327589 4897882 4686767 11440955 13118295
2048 16 2615907 5184636 10655264 14971011 12321135 5785224 9853037 6829301 12786337 4864497 5029807 13660713 14321195
2048 32 1851356 5750369 13574363 15048789 13836752 6243566 3698085 7013303 13384011 4500161 4653758 8866519 13384011
2048 64 958291 4796687 12118884 14840791 13924483 6378000 12050878 7368238 12882215 5169036 4653758 12111884 14738933
2048 128 2796560 4807425 12257227 13748169 11320334 6340344 11706006 7213548 14944066 5144271 5119743 9796850 13198923
2048 256 2399213 5383525 10869240 12146866 13917129 5991002 8749118 6523312 12710457 4775354 5209791 10726615 12274742
2048 512 2321725 3465352 8857376 12118884 11917129 5332694 9990553 5738844 12118864 5376082 5852228 11579763 12274742
2048 1024 2645657 5122796 12033995 8987113 11917129 5332694 8749118 6075753 11900619 4293237 6303124 9990553 8464610
2048 2048 2293214 5236193 11706006 12118884 11966935 4751580 11502234 5785224 12274742 5670651 5817666 9990553 12187663
4096 4 1898758 4257917 7788478 11550842 9287391 4133944 5713661 5625724 9119767 3930596 2644356 6133902 10089156
4096 8 1787743 3874745 7542289 13046624 12523544 4592558 7138037 7237268 11672447 4751325 2666519 6989921 9353122
4096 16 2294686 2911444 7687410 14318876 12299398 5347310 7274040 6430059 9891647 4058742 2919360 7050159 13434307
4096 32 2451533 3462422 7834681 12880338 13879294 5738471 7261741 7209932 13561566 4863707 2876348 7558881 11748599
4096 64 2422154 3262255 8334580 13145873 13968580 5449775 7261741 7225093 8712758 4218190 2775061 7728911 14212266
4096 128 2561939 3385325 8426437 13299112 13126371 6349261 6941906 7392988 13126371 4768469 3029528 7301864 13126371
4096 256 2506617 3230631 10012712 11014108 12487133 6051794 9368423 6769576 13746032 4240052 3596518 9966244 12117223
4096 512 2526523 3234889 7683972 11736440 12643359 5618365 7123239 6198078 12643359 4887857 3337967 6618318 12264277
4096 1024 2544999 3305851 8292220 11736457 13139575 5411313 7298762 6169818 11433127 5223761 3227596 6858783 11704457
4096 2048 1966378 4675041 9545402 12919082 12756011 5818150 7073381 6178018 9312562 4075109 4540367 7061751 9593374
4096 4096 2108009 3240380 11973655 12299398 12299398 5312585 7289472 5633102 7149920 5149519 3393349 7314299 12040791
8192 4 1832245 2684185 6748045 10569606 9352620 4021596 5838720 5830794 8696894 4079854 2889605 6224809 10501766
8192 8 2336674 2885943 7721626 13475493 12922997 5776955 7049878 7530012 11556130 4652153 2842512 7167528 13517846
8192 16 2226697 3035364 7676771 12133508 13170677 5274909 7148143 7013901 13085407 4810398 2783561 7346838 12783564
8192 32 1908682 3049913 7931966 12821727 14054179 5417973 7692239 7038325 13957128 4917099 2925775 7185515 12942468
8192 64 2524859 3240626 7627381 13475433 14323685 5957159 7728574 7128863 13839076 4903866 3117149 7868391 13544489
8192 128 2397363 3396638 7605404 12963199 13630348 6108608 7038325 6855256 12860118 4832723 3124519 7243076 10496347
8192 256 2428798 3084410 7074554 10053157 11281001 5876668 6838023 6606618 12137794 4612784 2949889 6827153 11993741
8192 512 2231035 3144824 7413415 11102389 12373836 5806161 7038325 6501608 11771848 4316113 3116019 7287625 11055948
8192 1024 2490293 3222694 7749491 11024023 11538609 5677601 7269126 6345516 11240406 3822928 3212449 7253309 10936302
8192 2048 2014784 3300664 8039661 11241993 12820498 5728718 7218727 6331712 11255134 4366576 3569544 7142200 10681322
8192 4096 2227274 3227840 9427042 12698523 12922997 5461029 7500806 6339610 9112041 4411425 4604748 7307775 10877445
8192 8192 1996057 3226325 11329356 12228510 12797849 5641246 6758666 5439416 6543707 4763052 3287857 6804170 10598850
16384 4 1854235 2543300 6506413 8640909 7941572 3522665 5947260 5694918 7529411 3808480 2568875 3259812 7645856
16384 8 1999065 2890675 7585093 10766656 11409877 4665549 6838571 7373488 8846703 4591765 2819514 7505563 9502395
16384 16 1869673 3056126 7680895 8855826 10730266 4908251 6903839 6995911 11221694 4367909 2477912 6954141 9804734
16384 32 1993671 3193758 4825871 9858182 12373403 5411065 7678320 7393320 9026826 4265692 2593696 7698966 9383028
16384 64 2144308 3286628 8039428 11274939 13310490 5899183 7802110 7612823 11787610 4820455 3117263 7677462 12126468
16384 128 2087417 3445655 7666328 9838832 11547928 5730536 7631422 7699828 11138029 4394726 3130327 6963302 7360062
16384 256 2001452 145622 7074413 7467231 8402140 4146770 6959776 6881026 7454271 3083691 2924630 7148742 9619449
16384 512 2121442 3301946 7117644 10033789 11661588 5416182 7320858 6540472 8388806 4098054 3041383 7487571 9828573
16384 1024 2105969 3261919 7662908 10475840 11490003 5377192 7390140 6593184 12217217 3382995 3178836 7252863 8354133
16384 2048 2025760 3241820 7736235 8046960 10744459 5144133 7467231 6462967 11579060 3525738 3294664 7447000 9581893
16384 4096 2143076 3346487 8384712 10694297 11212539 5097579 7298310 6284471 10448761 4133053 3701001 7474540 8992570
16384 8192 1955267 3218890 8533606 9431966 9711894 4424435 7098528 5166564 8728714 4947119 4363195 6963302 7710195
16384 16384 2322336 3002842 6523215 6809433 7373488 3366468 5730536 5432643 5317690 3161724 3161327 5537068 6927502
32768 64 2051180 3307573 7807343 9102637 10045381 3770325 7600952 7706653 8682289 3465971 3133596 7809561 8770941
32768 128 2088617 3368452 7631340 8456321 9529977 3925727 7659409 7461071 8009820 3275802 3049333 7670523 7934447
32768 256 2031143 3300187 7013692 7686825 8666959 3670637 7146812 6708002 7704492 3348836 2996675 7278523 7737457
32768 512 2126820 3390903 7670358 7730282 8348959 3875580 7406193 6702441 7988167 3493360 3064973 7480871 7873087
32768 1024 2080239 3385128 7403597 7697588 8700977 3787365 7368272 6411354 8743044 3413715 3012571 7567471 7890262
32768 2048 2030723 3311877 7386488 7775981 7986548 3507992 7590458 6639946 12365394 3206934 3117250 7325855 7943619
32768 4096 2060374 3296229 7867228 7930326 8372355 3600066 7153135 6304016 10974216 3402644 3294254 7471211 7230278
32768 8192 2026859 3254702 7897970 8234906 7980519 3539795 7315730 6208336 10113386 3848238 3361778 7293301 4960676
32768 16384 1920536 2369318 6321995 6254672 6306331 3214810 5293686 3471925 5181525 3540616 4018588 5449427 6116606
65536 64 2068107 3351186 8213449 8233129 8300003 3369807 7632782 7572851 7970986 3239085 3157889 7807241 7957141
65536 128 2059337 3408332 7646371 7938985 7907241 3506104 7676694 7513855 8077088 3083325 3049157 7820405 7861784
65536 256 2054304 3397967 7283875 7730275 7134347 3461249 7140649 6858093 7369419 3056517 2983166 7117352 7059771
65536 512 2057703 3375186 7474422 7476252 7724803 3527431 7407749 6246826 7388435 3061860 3085922 7324841 7409346
65536 1024 2053782 3389837 7174008 7327379 7395193 3527793 7311787 6577315 7497459 3058283 3102851 7278679 7328161
65536 2048 2049602 3374316 7667700 7653396 7738286 3597322 7518170 6425112 7512212 3090467 3127600 7581624 7768466
65536 4096 2073723 3410869 7816467 7856167 7897015 3570686 7549349 6543160 7203578 3249162 3133359 7758598 7720197
65536 8192 2059507 3313067 7639146 7918859 7971679 3574354 7397581 5807835 11025632 3012598 3017558 7124916 7315873


ubuntu@ip-172-31-29-240: ~/iozone3_394/src/current
8192 4096 2227274 3227840 9427042 12698523212922997 5461029 7500806 6339610 9112041 4411425 4604748 7307775 10877445
8192 8192 1996057 3226325 11329356 12228510127978849 5641246 6758666 5439416 6543707 4763052 3297857 6804170 10598950
16384 4 1854235 2543300 6506413 8640909 7941872 3522663 5947263 6684918 7529411 3808480 2568875 3259812 7645856
16384 8 1999065 2830675 7585093 10766656114089877 4465549 6838571 7373488 8846703 4591765 2819514 7505563 9502395
16384 16 1869673 3056126 7680895 8855824107360666 4908251 6903839 6995911 11221494 4367909 2477912 6954141 9804734
16384 32 1993671 3193756 4825871 9858182123734035 5411065 7678320 7393320 9026826 4265692 2593696 7698966 9383028
16384 64 2144338 3286428 8039428 12274939133104990 5999183 7802110 7612823 11787610 4520455 3117263 7677662 12126668
16384 128 2087417 3445655 7666328 9839832111547928 5730536 7631422 7699828 11138029 4394726 3130327 6963302 7360062
16384 256 2001452 145622 7074413 7467231 8402140 4146770 6959776 6881026 7454271 3083691 2924630 7148742 8619449
16384 512 2121442 3301946 7117444 10033789114611588 5414182 7320858 6540472 8388806 4098054 3041383 7487571 9828573
16384 1024 2105969 3281919 7662908 10475840114900003 5377192 7390140 6593184 12217217 3352895 3178836 7252863 8354133
16384 2048 2025760 3241820 7736235 8046960107444459 5144133 7467231 6462967 11579060 3525738 3294664 7447000 9581893
16384 4096 2143076 3346487 8384712 10694297111212539 5097579 7298310 6284471 10448761 4133053 3701001 7474540 8992870
16384 8192 1953247 3218890 8533606 9431968 9711894 4424435 7098528 5166564 8728714 4947139 4363195 6963002 7710195
16384 16384 1852336 3002842 6323215 6808433 7373488 3368448 5730536 3472643 5317690 3161724 3188127 5537068 6927502
32768 64 2051180 3307573 7807343 9102637110045381 3770325 7600952 7706653 8682289 3465971 3133596 7809561 8770941
32768 128 2088617 3368452 7631340 8456321 9525977 3925727 7659409 7461071 8009820 3275802 3049333 7670523 7954447
32768 256 2031143 3300187 7013492 7686823 8666959 3670637 7144812 6708002 7704492 3348936 2996675 7278523 7737457
32768 512 2126820 3390305 7302889 7708382 8348959 3875580 7405193 6702441 7998167 3493369 3064973 7480971 7873087
32768 1024 2080239 3385128 7403597 7697588 8700977 3787365 7368272 6411354 8743044 3413715 3012571 7567471 7890262
32768 2048 2030723 3311877 7386488 7773981 7986548 3507992 7580458 6639946 12365396 3206936 3117250 7325855 7943619
32768 4096 2060374 3296229 7867228 7930326 8372355 3600064 7153135 6304016 10974216 3402644 3294254 7471211 7230278
32768 8192 2026659 3254702 7897970 8234904 7980519 3539795 7115730 6208336 10113386 3848234 3361776 7259301 4960476
32768 16384 1920536 2369318 6321995 6254672 6306331 3214810 5293686 3471925 5181525 3540616 4018588 5449427 6116606
65536 64 2068107 3351196 8213449 8233129 8300003 3349807 7632782 7572851 7970986 3239085 3137889 7907241 7957141
65536 128 2059337 3408332 7646371 7938985 7907241 3506106 7676696 7513855 8077088 3083326 3049157 7820405 7861784
65536 256 2054304 3397967 7289875 7302075 7134347 3461249 7140649 6858093 7369419 3086511 2988166 7117352 7059771
65536 512 2057703 3375186 7474422 7476252 7724803 3527431 7407749 6246826 7388435 3061860 3085922 7324841 7409346
65536 1024 2053782 3389897 7174008 7327379 7395193 3527793 7311787 6577315 7497459 3058283 3102851 7278679 7328161
65536 2048 2049602 3374316 7467700 7653396 7738286 3597322 7518170 6425112 7512212 3090467 3127600 7381624 7768466
65536 4096 2073723 3410869 7816847 7856167 7897019 3570686 7549349 6541160 12075748 3268161 3113359 7758599 7720897
65536 8192 2059507 3313067 7639146 7918859 7971679 3574354 7397581 6807835 11025632 3012598 3017558 7124916 7315873
65536 16384 1897020 2954983 5715215 5413267 5227822 3228395 5154978 3377467 4971314 2871993 2842354 5481901 6042892
131072 64 1945674 2097869 8049156 8052575 7931747 3116692 7955787 7962651 8090973 3020788 2948201 7946652 7819605
131072 128 1949863 2496225 7953895 8119893 7951479 2880824 7864686 7452819 7842472 2908056 2326606 7862212 7827509
131072 256 1928353 2447974 7259246 7488146 7443838 3026992 7135811 6837775 7151871 2855358 2270200 7224806 7249960
131072 512 1942608 2265130 7413623 7472777 7423634 2966652 7434979 6649054 7568140 2897709 2246571 7538046 7421930
131072 1024 1952890 2523276 7363576 6523912 7588301 2857460 6341423 6079143 7460514 2844572 2162045 7297113 6369563
131072 2048 1802768 2154656 7601522 7736552 7632443 3295329 7643161 6595845 7706590 2942596 2535331 7473589 7576797
131072 4096 1955891 2503808 7352054 7528045 7495804 3316520 7547982 6479087 7498360 2933191 2904322 7558463 7509216
131072 8192 1886525 2305251 7455346 7656147 7536289 3282794 7297597 5867704 10515241 2571959 2489917 7391793 7235170
131072 16384 1763927 2136468 5056769 5174422 5241170 2926898 5072820 3312484 5164169 2431624 2385686 5232838 5201252
262144 64 206762 190030 8186871 8245318 7961659 195985 7927904 7804441 7926247 196410 172238 8162924 8304104
262144 128 178590 167334 7923105 8014411 7893981 176885 7840672 7618049 7631109 179437 162286 7812093 7930306
262144 256 166600 156367 7005275 7152234 7148328 164511 7262833 7001706 7354803 167230 153205 7283424 7316965
262144 512 174921 152011 7500089 7507207 7535566 161074 7306948 6471072 7257607 164212 151171 7362383 7492423
262144 1024 158944 150367 7335760 7407071 7410416 158891 7343354 6668712 7306754 163811 151205 7377697 7442821
262144 2048 157976 149437 7513003 7714636 7592221 157742 7510437 6490630 7363369 163343 152077 7605455 7572456
262144 4096 157749 149550 6845941 6933753 7439900 158819 7068732 6244783 7171781 164353 154606 7574021 7574021
262144 8192 157271 149372 7344040 7507873 7467438 158170 7436880 6458313 7618208 164033 154631 7305103 7511720
262144 16384 161097 148841 5340187 5586301 5740321 162127 4864238 5239738 5181125 180200 173028 5042016 5208195
524288 64 91148 82042 8267321 8107631 7935795 85109 7883928 7821591 7984027 81607 82430 8179587 8163796
524288 128 91871 82053 7901492 7953533 7753556 85186 7929814 7603110 7839241 81562 82393 7825766 7879860
524288 256 91909 82080 6980720 7163880 7091500 81023 7062915 6725956 7076188 81949 82504 7209386 7190884
524288 512 92521 82041 7189597 7225077 7219621 81030 7178777 6422347 7163370 82070 82396 7314380 7280164
524288 1024 91936 82063 7327249 7527477 7420288 85369 7619258 6624645 7610635 82542 82483 7334849 7258489
524288 2048 92060 82062 7582007 7708818 7667503 85148 7454537 6880143 7722948 82686 82702 7623802 7702417
524288 4096 91980 82046 7353687 7480006 7467965 85392 7645246 6748040 7579158 81140 82319 7726367 7733215
524288 8192 91763 82053 7435341 7517005 7429865 80961 7344820 6168233 7486296 85762 83119 7735364 7609529
524288 16384 92011 82092 5318731 5373894 5524978 82091 5338111 3439914 5403804 81097 83188 5348355 5471475
iozone test complete.
ubuntu@ip-172-31-29-240:~/iozone3_394/src/current#
I'm Cortana. Ask me anything.
3:59 PM
2/10/2016