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System Configuration

Memory : 3Gb
Os : Ubuntu 32 bit
Processor: Intel® Core™ i5-2450M CPU @ 2.50GHz × 4

FileSize(Xaxis) v/s Time(Yaxis)

1 mb

real   0m13.908s
user   0m8.229s
sys   0m5.600s

5mb

real   0m15.975s
user   0m9.957s
sys   0m5.956s

50mb

real   1m39.113s
user   0m56.928s
sys   0m41.355s

100mb

real   3m26.038s
user   1m54.311s
sys   1m30.254s

500mb
real   18m12.176s
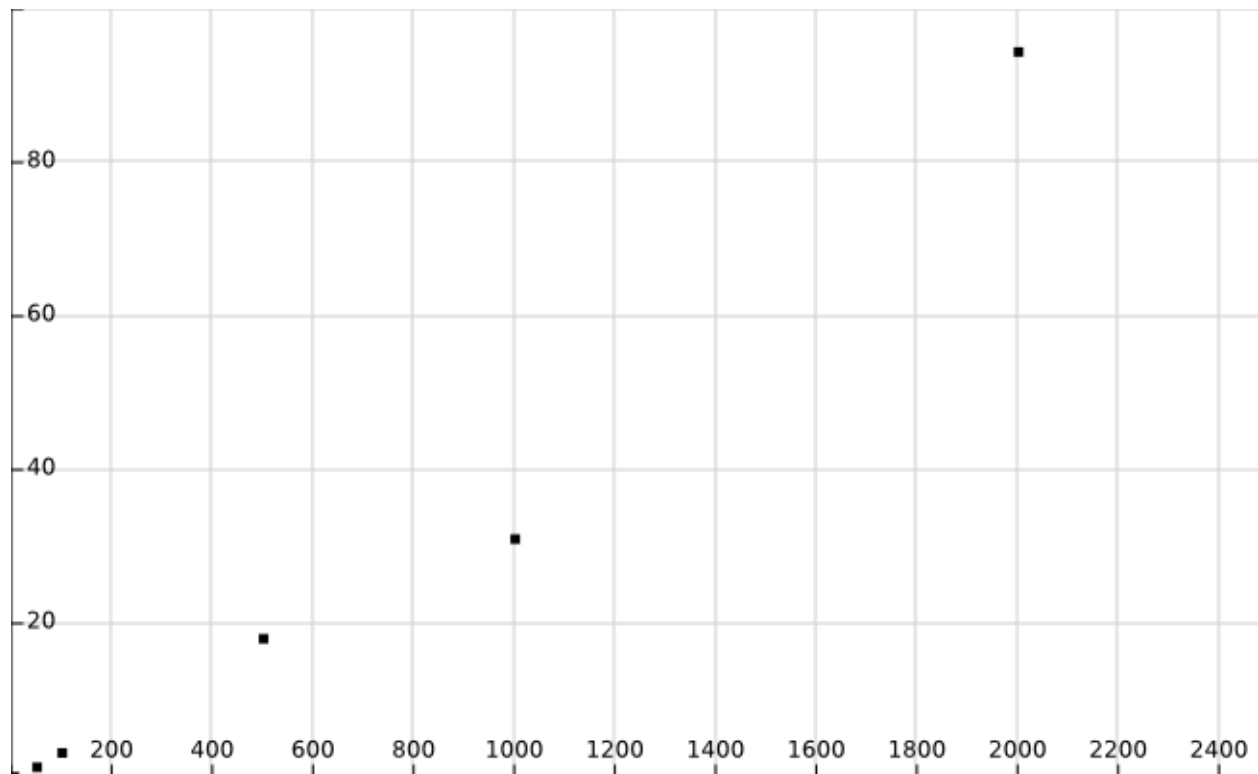user   10m32.080s
sys   7m31.076s

1gb

real   37m10.471s
user   21m55.370s
sys   14m55.884s

2gb

real   94m53.423s
user   64m56.291s
sys   39m35.269s

Main memory size 100 Mb

File Size	Time
1 mb	0m13.908s
5mb	0m15.975s
50mb	1m39.113s
100mb	3m26.038s
500mb	18m12.176s
1gb	37m10.471s
2gb	94m53.423s

Memory Size (Xaxis) v/s Time (Yaxis)

File Size 512 Mb

10mb

real   20m46.350s
user   13m11.009s
sys   7m27.920s

25mb

real   18m7.066s
user   10m35.956s
sys   7m24.056s

100mb
real   18m12.176s
user   10m32.080s
sys   7m31.076s

250mb
real   17m54.374s
user   10m7.830s
sys   7m33.976s

512 mb

real   17m45.004s
user   10m2.414s
sys   7m31.560s

Memory Size	Time
10mb	20m46.350s
25mb	18m7.066s
100mb	18m12.176s
250mb	17m54.374s
512mb	17m45.004s