```
Computer Info Complete
Python Module Listing Complete
CPU Test: 1 / 10 complete.
CPU Test: 2 / 10 complete.
CPU Test: 3 / 10 complete.
CPU Test: 4 / 10 complete.
CPU Test: 5 / 10 complete.
CPU Test: 6 / 10 complete.
CPU Test: 7 / 10 complete.
CPU Test: 8 / 10 complete.
CPU Test: 9 / 10 complete.
CPU Test: 10 / 10 complete.
Memory Test: 1 / 10 complete.
Memory Test: 2 / 10 complete.
Memory Test: 3 / 10 complete.
Memory Test: 4 / 10 complete.
Memory Test: 5 / 10 complete.
Memory Test: 6 / 10 complete.
Memory Test: 7 / 10 complete.
Memory Test: 8 / 10 complete.
Memory Test: 9 / 10 complete.
Memory Test: 10 / 10 complete.
Thread Test: 1 / 10 complete.
Thread Test: 2 / 10 complete.
Thread Test: 3 / 10 complete.
Thread Test: 4 / 10 complete.
Thread Test: 5 / 10 complete.
Thread Test: 6 / 10 complete.
Thread Test: 7 / 10 complete.
Thread Test: 8 / 10 complete.
Thread Test: 9 / 10 complete.
Thread Test: 10 / 10 complete.
File Test: 1 / 10 complete.
File Test: 2 / 10 complete.
File Test: 3 / 10 complete.
File Test: 4 / 10 complete.
File Test: 5 / 10 complete.
File Test: 6 / 10 complete.
File Test: 7 / 10 complete.
File Test: 8 / 10 complete.
File Test: 9 / 10 complete.
File Test: 10 / 10 complete.
CPython default
Linux-4.15.0-20-generic-x86_64-with-debian-9.4
x86_64  x 8 cores
FQDN: d502b4a31820 ( d502b4a31820 )
LAN IPv4: 172.17.0.2

Package      Version
------------ ---------
asn1crypto   0.24.0
certifi      2018.4.16
cffi         1.11.5
chardet      3.0.4
conda        4.5.4
cryptography 2.2.2
h5py         2.8.0rc1
idna         2.6
Keras        2.1.6
numpy        1.14.3
pip          10.0.1
psutil       5.4.5
pycosat      0.6.3
pycparser    2.18
pyOpenSSL    17.5.0
PySocks      1.6.8
PyYAML       3.12
requests     2.18.4
ruamel-yaml  0.15.35
scipy        1.1.0
setuptools   39.1.0
six          1.11.0
urllib3      1.22
wheel        0.31.0


Package      Version
------------ ---------
asn1crypto   0.24.0
certifi      2018.4.16
cffi         1.11.5
chardet      3.0.4
conda        4.5.4
cryptography 2.2.2
h5py         2.8.0rc1
idna         2.6
Keras        2.1.6
numpy        1.14.3
```

```
Thread Test 0 Start: 2018-05-18 00:57:47.000987
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 128

Doing thread subsystem performance test
Thread yields per test: 1000 Locks used: 8
Threads started!
Done.


Test execution summary:
    total time:                          3.6314s
    total number of events:              10000
    total time taken by event execution: 461.6955
    per-request statistics:
         min:                                  0.55ms
         avg:                                 46.17ms
         max:                                214.89ms
         approx.  95 percentile:             101.12ms

Threads fairness:
    events (avg/stddev):           78.1250/4.97
    execution time (avg/stddev):   3.6070/0.01

Thread Test 0 End: 2018-05-18 00:57:50.638742
Thread Test 1 Start: 2018-05-18 00:57:51.640017
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 128

Doing thread subsystem performance test
Thread yields per test: 1000 Locks used: 8
Threads started!
Done.


Test execution summary:
    total time:                          3.4932s
    total number of events:              10000
    total time taken by event execution: 443.2302
    per-request statistics:
         min:                                  0.48ms
         avg:                                 44.32ms
         max:                                215.39ms
         approx.  95 percentile:             115.84ms

Threads fairness:
    events (avg/stddev):           78.1250/5.97
    execution time (avg/stddev):   3.4627/0.01

Thread Test 1 End: 2018-05-18 00:57:55.138908
Thread Test 2 Start: 2018-05-18 00:57:56.140217
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 128

Doing thread subsystem performance test
Thread yields per test: 1000 Locks used: 8
Threads started!
Done.


Test execution summary:
    total time:                          3.2858s
    total number of events:              10000
    total time taken by event execution: 417.2033
    per-request statistics:
         min:                                  0.50ms
         avg:                                 41.72ms
         max:                                242.13ms
         approx.  95 percentile:             111.65ms

Threads fairness:
    events (avg/stddev):           78.1250/5.91
    execution time (avg/stddev):   3.2594/0.01

Thread Test 2 End: 2018-05-18 00:57:59.432264
Thread Test 3 Start: 2018-05-18 00:58:00.433475
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 128

Doing thread subsystem performance test
```

```
pip          10.0.1
psutil       5.4.5
pycosat      0.6.3
pycparser    2.18
pyOpenSSL    17.5.0
PySocks      1.6.8
PyYAML       3.12
requests     2.18.4
ruamel-yaml  0.15.35
scipy        1.1.0
setuptools   39.1.0
six          1.11.0
urllib3      1.22
wheel        0.31.0


CPU Test 0 Start: 2018-05-18 00:56:28.679168
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing CPU performance benchmark

Threads started!
Done.

Maximum prime number checked in CPU test: 20000


Test execution summary:
    total time:                          3.4232s
    total number of events:              10000
    total time taken by event execution: 27.3758
    per-request statistics:
         min:                                  2.52ms
         avg:                                  2.74ms
         max:                                  8.96ms
         approx.  95 percentile:               2.73ms

Threads fairness:
    events (avg/stddev):           1250.0000/23.41
    execution time (avg/stddev):   3.4220/0.00

CPU Test 0 End: 2018-05-18 00:56:32.104968
CPU Test 1 Start: 2018-05-18 00:56:33.106300
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing CPU performance benchmark

Threads started!
Done.

Maximum prime number checked in CPU test: 20000


Test execution summary:
    total time:                          3.4207s
    total number of events:              10000
    total time taken by event execution: 27.3497
    per-request statistics:
         min:                                  2.45ms
         avg:                                  2.73ms
         max:                                  8.83ms
         approx.  95 percentile:               2.73ms

Threads fairness:
    events (avg/stddev):           1250.0000/22.09
    execution time (avg/stddev):   3.4187/0.00

CPU Test 1 End: 2018-05-18 00:56:36.533178
CPU Test 2 Start: 2018-05-18 00:56:37.534355
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing CPU performance benchmark

Threads started!
Done.

Maximum prime number checked in CPU test: 20000


Test execution summary:
    total time:                          3.5783s
    total number of events:              10000
    total time taken by event execution: 455.0066
    per-request statistics:
         min:                                  0.51ms
         avg:                                 45.50ms
         max:                                252.44ms
         approx.  95 percentile:              97.61ms

Threads fairness:
    events (avg/stddev):           78.1250/4.75
    execution time (avg/stddev):   3.5547/0.01

Thread Test 3 End: 2018-05-18 00:58:04.017596
Thread Test 4 Start: 2018-05-18 00:58:05.018892
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 128

Doing thread subsystem performance test
Thread yields per test: 1000 Locks used: 8
Threads started!
Done.


Test execution summary:
    total time:                          3.4249s
    total number of events:              10000
    total time taken by event execution: 435.2929
    per-request statistics:
         min:                                  0.52ms
         avg:                                 43.53ms
         max:                                246.97ms
         approx.  95 percentile:             100.39ms

Threads fairness:
    events (avg/stddev):           78.1250/5.60
    execution time (avg/stddev):   3.4007/0.01

Thread Test 4 End: 2018-05-18 00:58:08.450123
Thread Test 5 Start: 2018-05-18 00:58:09.451411
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 128

Doing thread subsystem performance test
Thread yields per test: 1000 Locks used: 8
Threads started!
Done.


Test execution summary:
    total time:                          3.3803s
    total number of events:              10000
    total time taken by event execution: 428.2356
    per-request statistics:
         min:                                  0.53ms
         avg:                                 42.82ms
         max:                                265.73ms
         approx.  95 percentile:             100.27ms

Threads fairness:
    events (avg/stddev):           78.1250/6.98
    execution time (avg/stddev):   3.3456/0.01

Thread Test 5 End: 2018-05-18 00:58:12.837967
Thread Test 6 Start: 2018-05-18 00:58:13.839252
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 128

Doing thread subsystem performance test
Thread yields per test: 1000 Locks used: 8
Threads started!
Done.


Test execution summary:
    total time:                          3.6056s
    total number of events:              10000
```

```
    total time:                          3.4269s
    total number of events:              10000
    total time taken by event execution: 27.4019
    per-request statistics:
         min:                                  2.60ms
         avg:                                  2.74ms
         max:                                 14.63ms
         approx.  95 percentile:               2.73ms

Threads fairness:
    events (avg/stddev):           1250.0000/19.48
    execution time (avg/stddev):   3.4252/0.00

CPU Test 2 End: 2018-05-18 00:56:40.963897
CPU Test 3 Start: 2018-05-18 00:56:41.965200
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing CPU performance benchmark

Threads started!
Done.

Maximum prime number checked in CPU test: 20000


Test execution summary:
    total time:                          3.4661s
    total number of events:              10000
    total time taken by event execution: 27.7155
    per-request statistics:
         min:                                  2.50ms
         avg:                                  2.77ms
         max:                                 27.26ms
         approx.  95 percentile:               2.74ms

Threads fairness:
    events (avg/stddev):           1250.0000/39.82
    execution time (avg/stddev):   3.4644/0.00

CPU Test 3 End: 2018-05-18 00:56:45.437472
CPU Test 4 Start: 2018-05-18 00:56:46.438770
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing CPU performance benchmark

Threads started!
Done.

Maximum prime number checked in CPU test: 20000


Test execution summary:
    total time:                          3.4356s
    total number of events:              10000
    total time taken by event execution: 27.4724
    per-request statistics:
         min:                                  2.46ms
         avg:                                  2.75ms
         max:                                 13.33ms
         approx.  95 percentile:               2.73ms

Threads fairness:
    events (avg/stddev):           1250.0000/31.09
    execution time (avg/stddev):   3.4341/0.00

CPU Test 4 End: 2018-05-18 00:56:49.880518
CPU Test 5 Start: 2018-05-18 00:56:50.881804
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing CPU performance benchmark

Threads started!
Done.

Maximum prime number checked in CPU test: 20000


Test execution summary:
    total time:                          3.4318s
    total number of events:              10000
    total time taken by event execution: 457.6915
    per-request statistics:
         min:                                  0.56ms
         avg:                                 45.77ms
         max:                                201.30ms
         approx.  95 percentile:             102.06ms

Threads fairness:
    events (avg/stddev):           78.1250/4.91
    execution time (avg/stddev):   3.5757/0.01

Thread Test 6 End: 2018-05-18 00:58:17.451024
Thread Test 7 Start: 2018-05-18 00:58:18.452331
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 128

Doing thread subsystem performance test
Thread yields per test: 1000 Locks used: 8
Threads started!
Done.


Test execution summary:
    total time:                          3.2529s
    total number of events:              10000
    total time taken by event execution: 413.0524
    per-request statistics:
         min:                                  0.48ms
         avg:                                 41.31ms
         max:                                312.04ms
         approx.  95 percentile:             113.30ms

Threads fairness:
    events (avg/stddev):           78.1250/6.83
    execution time (avg/stddev):   3.2270/0.01

Thread Test 7 End: 2018-05-18 00:58:21.711446
Thread Test 8 Start: 2018-05-18 00:58:22.712741
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 128

Doing thread subsystem performance test
Thread yields per test: 1000 Locks used: 8
Threads started!
Done.


Test execution summary:
    total time:                          3.4508s
    total number of events:              10000
    total time taken by event execution: 437.5392
    per-request statistics:
         min:                                  0.51ms
         avg:                                 43.75ms
         max:                                253.14ms
         approx.  95 percentile:             101.97ms

Threads fairness:
    events (avg/stddev):           78.1250/4.85
    execution time (avg/stddev):   3.4183/0.01

Thread Test 8 End: 2018-05-18 00:58:26.169748
Thread Test 9 Start: 2018-05-18 00:58:27.171029
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 128

Doing thread subsystem performance test
Thread yields per test: 1000 Locks used: 8
Threads started!
Done.


Test execution summary:
    total time:                          3.6016s
    total number of events:              10000
    total time taken by event execution: 458.2990
    per-request statistics:
         min:                                  0.56ms
         avg:                                 45.83ms
         max:                                282.24ms
         approx.  95 percentile:              97.08ms

Threads fairness:
```

```
    total time taken by event execution: 27.4393
    per-request statistics:
         min:                                  2.57ms
         avg:                                  2.74ms
         max:                                 12.35ms
         approx.  95 percentile:               2.73ms

Threads fairness:
    events (avg/stddev):           1250.0000/30.00
    execution time (avg/stddev):   3.4299/0.00

CPU Test 5 End: 2018-05-18 00:56:54.319650
CPU Test 6 Start: 2018-05-18 00:56:55.320922
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing CPU performance benchmark

Threads started!
Done.

Maximum prime number checked in CPU test: 20000


Test execution summary:
    total time:                          3.4314s
    total number of events:              10000
    total time taken by event execution: 27.4366
    per-request statistics:
         min:                                  2.52ms
         avg:                                  2.74ms
         max:                                 12.18ms
         approx.  95 percentile:               2.73ms

Threads fairness:
    events (avg/stddev):           1250.0000/27.80
    execution time (avg/stddev):   3.4296/0.00

CPU Test 6 End: 2018-05-18 00:56:58.758469
CPU Test 7 Start: 2018-05-18 00:56:59.759705
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing CPU performance benchmark

Threads started!
Done.

Maximum prime number checked in CPU test: 20000


Test execution summary:
    total time:                          3.4271s
    total number of events:              10000
    total time taken by event execution: 27.4029
    per-request statistics:
         min:                                  2.58ms
         avg:                                  2.74ms
         max:                                 20.32ms
         approx.  95 percentile:               2.73ms

Threads fairness:
    events (avg/stddev):           1250.0000/26.00
    execution time (avg/stddev):   3.4254/0.00

CPU Test 7 End: 2018-05-18 00:57:03.193044
CPU Test 8 Start: 2018-05-18 00:57:04.194340
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing CPU performance benchmark

Threads started!
Done.

Maximum prime number checked in CPU test: 20000


Test execution summary:
    total time:                          3.4311s
    total number of events:              10000
    total time taken by event execution: 27.4335
    per-request statistics:
         events (avg/stddev):           78.1250/5.13
         execution time (avg/stddev):   3.5805/0.01

Thread Test 9 End: 2018-05-18 00:58:30.779032

File Test 0 Start: 2018-05-18 00:58:31.780343
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Extra file open flags: 0
128 files, 128Mb each
16Gb total file size
Block size 16Kb
Number of random requests for random IO: 10000
Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Done.

Operations performed:  6020 Read, 4009 Write, 12810 Other = 22839 Total
Read 94.062Mb  Written 62.641Mb  Total transferred 156.7Mb  (3.0524Mb/sec)
  195.35 Requests/sec executed

Test execution summary:
    total time:                          51.3377s
    total number of events:              10029
    total time taken by event execution: 113.9079
    per-request statistics:
         min:                                  0.00ms
         avg:                                 11.36ms
         max:                                281.92ms
         approx.  95 percentile:              70.75ms

Threads fairness:
    events (avg/stddev):           1253.6250/107.65
    execution time (avg/stddev):   14.2385/0.34

File Test 0 End: 2018-05-18 01:02:42.298736
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Extra file open flags: 0
128 files, 128Mb each
16Gb total file size
Block size 16Kb
Number of random requests for random IO: 10000
Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Done.

Operations performed:  6025 Read, 4012 Write, 12805 Other = 22842 Total
Read 94.141Mb  Written 62.688Mb  Total transferred 156.83Mb  (3.4095Mb/sec)
  218.21 Requests/sec executed

Test execution summary:
    total time:                          45.9970s
    total number of events:              10037
    total time taken by event execution: 81.3846
    per-request statistics:
         min:                                  0.00ms
         avg:                                  8.11ms
         max:                                240.10ms
         approx.  95 percentile:              60.79ms

Threads fairness:
    events (avg/stddev):           1254.6250/93.13
    execution time (avg/stddev):   10.1731/0.21

File Test 2 Start: 2018-05-18 01:03:30.305540
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Extra file open flags: 0
128 files, 128Mb each
16Gb total file size
Block size 16Kb
```

```
         min:                                  2.44ms
         avg:                                  2.74ms
         max:                                 12.58ms
         approx.  95 percentile:               2.73ms

Threads fairness:
    events (avg/stddev):           1250.0000/19.61
    execution time (avg/stddev):   3.4292/0.00

CPU Test 8 End: 2018-05-18 00:57:07.631561
CPU Test 9 Start: 2018-05-18 00:57:08.632819
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing CPU performance benchmark

Threads started!
Done.

Maximum prime number checked in CPU test: 20000


Test execution summary:
    total time:                          3.4327s
    total number of events:              10000
    total time taken by event execution: 27.4484
    per-request statistics:
         min:                                  2.62ms
         avg:                                  2.74ms
         max:                                 24.05ms
         approx.  95 percentile:               2.73ms

Threads fairness:
    events (avg/stddev):           1250.0000/22.61
    execution time (avg/stddev):   3.4310/0.00

CPU Test 9 End: 2018-05-18 00:57:12.071721

Memory Test 0 Start: 2018-05-18 00:57:13.073017
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing memory operations speed test
Memory block size: 1K

Memory transfer size: 10240M

Memory operations type: write
Memory scope type: global
Threads started!
Done.

Operations performed: 10485760 (4360563.46 ops/sec)

10240.00 MB transferred (4258.36 MB/sec)


Test execution summary:
    total time:                          2.4047s
    total number of events:              10485760
    total time taken by event execution: 9.6977
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.00ms
         max:                                 19.93ms
         approx.  95 percentile:               0.00ms

Threads fairness:
    events (avg/stddev):           1310720.0000/16816.98
    execution time (avg/stddev):   1.2122/0.01

Memory Test 0 End: 2018-05-18 00:57:15.484260
Memory Test 1 Start: 2018-05-18 00:57:16.485544
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing memory operations speed test
Memory block size: 1K

Memory transfer size: 10240M

Memory operations type: write
Memory scope type: global
Number of random requests for random IO: 10000
Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Done.

Operations performed:  6044 Read, 4025 Write, 12807 Other = 22876 Total
Read 94.438Mb  Written 62.891Mb  Total transferred 157.33Mb  (4.6439Mb/sec)
  297.21 Requests/sec executed

Test execution summary:
    total time:                          33.8781s
    total number of events:              10069
    total time taken by event execution: 6.3298
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.63ms
         max:                                 95.09ms
         approx.  95 percentile:               0.07ms

Threads fairness:
    events (avg/stddev):           1258.6250/134.67
    execution time (avg/stddev):   0.7912/0.13

File Test 2 End: 2018-05-18 01:04:04.191330
File Test 3 Start: 2018-05-18 01:04:05.192824
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Extra file open flags: 0
128 files, 128Mb each
16Gb total file size
Block size 16Kb
Number of random requests for random IO: 10000
Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Done.

Operations performed:  6021 Read, 4010 Write, 12807 Other = 22838 Total
Read 94.078Mb  Written 62.656Mb  Total transferred 156.73Mb  (3.3495Mb/sec)
  214.37 Requests/sec executed

Test execution summary:
    total time:                          46.7936s
    total number of events:              10031
    total time taken by event execution: 88.8320
    per-request statistics:
         min:                                  0.00ms
         avg:                                  8.86ms
         max:                                335.29ms
         approx.  95 percentile:              64.44ms

Threads fairness:
    events (avg/stddev):           1253.8750/101.05
    execution time (avg/stddev):   11.1040/0.43

File Test 3 End: 2018-05-18 01:04:51.994847
File Test 4 Start: 2018-05-18 01:04:52.996346
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Extra file open flags: 0
128 files, 128Mb each
16Gb total file size
Block size 16Kb
Number of random requests for random IO: 10000
Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Done.

Operations performed:  6035 Read, 4019 Write, 12807 Other = 22861 Total
Read 94.297Mb  Written 62.797Mb  Total transferred 157.09Mb  (3.501Mb/sec)
  224.06 Requests/sec executed
```

```
Threads started!
Done.

Operations performed: 10485760 (4393099.78 ops/sec)

10240.00 MB transferred (4290.14 MB/sec)


Test execution summary:
    total time:                          2.3869s
    total number of events:              10485760
    total time taken by event execution: 9.6614
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.00ms
         max:                                  6.66ms
         approx.  95 percentile:               0.00ms

Threads fairness:
    events (avg/stddev):           1310720.0000/12911.33
    execution time (avg/stddev):   1.2077/0.01

Memory Test 1 End: 2018-05-18 00:57:18.874915
Memory Test 2 Start: 2018-05-18 00:57:19.876112
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing memory operations speed test
Memory block size: 1K

Memory transfer size: 10240M

Memory operations type: write
Memory scope type: global
Threads started!
Done.

Operations performed: 10485760 (4426260.49 ops/sec)

10240.00 MB transferred (4322.52 MB/sec)


Test execution summary:
    total time:                          2.3690s
    total number of events:              10485760
    total time taken by event execution: 10.2009
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.00ms
         max:                                  6.81ms
         approx.  95 percentile:               0.00ms

Threads fairness:
    events (avg/stddev):           1310720.0000/12914.78
    execution time (avg/stddev):   1.2751/0.01

Memory Test 2 End: 2018-05-18 00:57:22.247388
Memory Test 3 Start: 2018-05-18 00:57:23.248688
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing memory operations speed test
Memory block size: 1K

Memory transfer size: 10240M

Memory operations type: write
Memory scope type: global
Threads started!
Done.

Operations performed: 10485760 (4394269.54 ops/sec)

10240.00 MB transferred (4291.28 MB/sec)


Test execution summary:
    total time:                          2.3862s
    total number of events:              10485760
    total time taken by event execution: 9.4815
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.00ms
         max:                                  6.58ms
         approx.  95 percentile:               0.00ms

Test execution summary:
    total time:                          44.8714s
    total number of events:              10054
    total time taken by event execution: 76.0858
    per-request statistics:
         min:                                  0.00ms
         avg:                                  7.57ms
         max:                                173.26ms
         approx.  95 percentile:              58.79ms

Threads fairness:
    events (avg/stddev):           1256.7500/65.38
    execution time (avg/stddev):   9.5107/0.26

File Test 4 End: 2018-05-18 01:05:37.876114
File Test 5 Start: 2018-05-18 01:05:38.877604
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Extra file open flags: 0
128 files, 128Mb each
16Gb total file size
Block size 16Kb
Number of random requests for random IO: 10000
Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Done.

Operations performed:  6053 Read, 4033 Write, 12805 Other = 22891 Total
Read 94.578Mb  Written 63.016Mb  Total transferred 157.59Mb  (4.5867Mb/sec)
  293.55 Requests/sec executed

Test execution summary:
    total time:                          34.3591s
    total number of events:              10086
    total time taken by event execution: 6.4815
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.64ms
         max:                                 87.66ms
         approx.  95 percentile:               0.07ms

Threads fairness:
    events (avg/stddev):           1260.7500/152.48
    execution time (avg/stddev):   0.8102/0.16

File Test 5 End: 2018-05-18 01:06:13.244740
File Test 6 Start: 2018-05-18 01:06:14.246243
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Extra file open flags: 0
128 files, 128Mb each
16Gb total file size
Block size 16Kb
Number of random requests for random IO: 10000
Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Done.

Operations performed:  6045 Read, 4030 Write, 12809 Other = 22884 Total
Read 94.453Mb  Written 62.969Mb  Total transferred 157.42Mb  (4.7033Mb/sec)
  301.01 Requests/sec executed

Test execution summary:
    total time:                          33.4708s
    total number of events:              10075
    total time taken by event execution: 4.4356
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.44ms
         max:                                 74.19ms
         approx.  95 percentile:               0.06ms

Threads fairness:
    events (avg/stddev):           1259.3750/85.21
    execution time (avg/stddev):   0.5545/0.06
```

```
Threads fairness:
    events (avg/stddev):           1310720.0000/12486.06
    execution time (avg/stddev):   1.1852/0.01

Memory Test 3 End: 2018-05-18 00:57:25.640974
Memory Test 4 Start: 2018-05-18 00:57:26.642233
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing memory operations speed test
Memory block size: 1K

Memory transfer size: 10240M

Memory operations type: write
Memory scope type: global
Threads started!
Done.

Operations performed: 10485760 (4371769.60 ops/sec)

10240.00 MB transferred (4269.31 MB/sec)


Test execution summary:
    total time:                          2.3985s
    total number of events:              10485760
    total time taken by event execution: 9.6489
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.00ms
         max:                                  6.79ms
         approx.  95 percentile:               0.00ms

Threads fairness:
    events (avg/stddev):           1310720.0000/9134.46
    execution time (avg/stddev):   1.2061/0.01

Memory Test 4 End: 2018-05-18 00:57:29.046836
Memory Test 5 Start: 2018-05-18 00:57:30.048116
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing memory operations speed test
Memory block size: 1K

Memory transfer size: 10240M

Memory operations type: write
Memory scope type: global
Threads started!
Done.

Operations performed: 10485760 (4397277.84 ops/sec)

10240.00 MB transferred (4294.22 MB/sec)


Test execution summary:
    total time:                          2.3846s
    total number of events:              10485760
    total time taken by event execution: 9.6678
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.00ms
         max:                                  6.65ms
         approx.  95 percentile:               0.00ms

Threads fairness:
    events (avg/stddev):           1310720.0000/12154.21
    execution time (avg/stddev):   1.2085/0.00

Memory Test 5 End: 2018-05-18 00:57:32.438835
Memory Test 6 Start: 2018-05-18 00:57:33.440143
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing memory operations speed test
Memory block size: 1K

Memory transfer size: 10240M

File Test 6 End: 2018-05-18 01:06:47.725095
File Test 7 Start: 2018-05-18 01:06:48.726543
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Extra file open flags: 0
128 files, 128Mb each
16Gb total file size
Block size 16Kb
Number of random requests for random IO: 10000
Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Done.

Operations performed:  6020 Read, 4009 Write, 12808 Other = 22837 Total
Read 94.062Mb  Written 62.641Mb  Total transferred 156.7Mb  (3.2933Mb/sec)
  210.77 Requests/sec executed

Test execution summary:
    total time:                          47.5826s
    total number of events:              10029
    total time taken by event execution: 93.1746
    per-request statistics:
         min:                                  0.00ms
         avg:                                  9.29ms
         max:                                389.18ms
         approx.  95 percentile:              67.16ms

Threads fairness:
    events (avg/stddev):           1253.6250/76.24
    execution time (avg/stddev):   11.6468/0.38

File Test 7 End: 2018-05-18 01:07:36.317475
File Test 8 Start: 2018-05-18 01:07:37.318896
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Extra file open flags: 0
128 files, 128Mb each
16Gb total file size
Block size 16Kb
Number of random requests for random IO: 10000
Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Done.

Operations performed:  6056 Read, 4037 Write, 12809 Other = 22902 Total
Read 94.625Mb  Written 63.078Mb  Total transferred 157.7Mb  (4.6479Mb/sec)
  297.46 Requests/sec executed

Test execution summary:
    total time:                          33.9301s
    total number of events:              10093
    total time taken by event execution: 6.1913
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.61ms
         max:                                 88.36ms
         approx.  95 percentile:               0.07ms

Threads fairness:
    events (avg/stddev):           1261.6250/203.64
    execution time (avg/stddev):   0.7739/0.20

File Test 8 End: 2018-05-18 01:08:11.256575
File Test 9 Start: 2018-05-18 01:08:12.258017
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Extra file open flags: 0
128 files, 128Mb each
16Gb total file size
Block size 16Kb
Number of random requests for random IO: 10000
```

```
Memory operations type: write
Memory scope type: global
Threads started!
Done.

Operations performed: 10485760 (4395789.62 ops/sec)

10240.00 MB transferred (4292.76 MB/sec)


Test execution summary:
    total time:                          2.3854s
    total number of events:              10485760
    total time taken by event execution: 9.7324
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.00ms
         max:                                  6.14ms
         approx.  95 percentile:               0.00ms

Threads fairness:
    events (avg/stddev):           1310720.0000/13781.53
    execution time (avg/stddev):   1.2166/0.01

Memory Test 6 End: 2018-05-18 00:57:35.831616
Memory Test 7 Start: 2018-05-18 00:57:36.832940
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing memory operations speed test
Memory block size: 1K

Memory transfer size: 10240M

Memory operations type: write
Memory scope type: global
Threads started!
Done.

Operations performed: 10485760 (4394168.07 ops/sec)

10240.00 MB transferred (4291.18 MB/sec)


Test execution summary:
    total time:                          2.3863s
    total number of events:              10485760
    total time taken by event execution: 9.9218
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.00ms
         max:                                  6.64ms
         approx.  95 percentile:               0.00ms

Threads fairness:
    events (avg/stddev):           1310720.0000/10184.52
    execution time (avg/stddev):   1.2402/0.01

Memory Test 7 End: 2018-05-18 00:57:39.225220
Memory Test 8 Start: 2018-05-18 00:57:40.226524
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing memory operations speed test
Memory block size: 1K

Memory transfer size: 10240M

Memory operations type: write
Memory scope type: global
Threads started!
Done.

Operations performed: 10485760 (4436051.63 ops/sec)

10240.00 MB transferred (4332.08 MB/sec)


Test execution summary:
    total time:                          2.3638s
    total number of events:              10485760
    total time taken by event execution: 9.8107
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.00ms

Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Done.

Operations performed:  6062 Read, 4037 Write, 12809 Other = 22908 Total
Read 94.719Mb  Written 63.078Mb  Total transferred 157.8Mb  (4.5647Mb/sec)
  292.14 Requests/sec executed

Test execution summary:
    total time:                          34.5690s
    total number of events:              10099
    total time taken by event execution: 13.4363
    per-request statistics:
         min:                                  0.00ms
         avg:                                  1.33ms
         max:                                160.16ms
         approx.  95 percentile:               0.10ms

Threads fairness:
    events (avg/stddev):           1262.3750/94.15
    execution time (avg/stddev):   1.6795/0.13

File Test 9 End: 2018-05-18 01:08:46.834337
```

```
         max:                                  6.90ms
         approx.  95 percentile:               0.00ms

Threads fairness:
    events (avg/stddev):           1310720.0000/10341.35
    execution time (avg/stddev):   1.2263/0.01

Memory Test 8 End: 2018-05-18 00:57:42.596358
Memory Test 9 Start: 2018-05-18 00:57:43.597586
sysbench 0.4.12:  multi-threaded system evaluation benchmark

Running the test with following options:
Number of threads: 8

Doing memory operations speed test
Memory block size: 1K

Memory transfer size: 10240M

Memory operations type: write
Memory scope type: global
Threads started!
Done.

Operations performed: 10485760 (4376117.79 ops/sec)

10240.00 MB transferred (4273.55 MB/sec)


Test execution summary:
    total time:                          2.3961s
    total number of events:              10485760
    total time taken by event execution: 9.7105
    per-request statistics:
         min:                                  0.00ms
         avg:                                  0.00ms
         max:                                  6.33ms
         approx.  95 percentile:               0.00ms

Threads fairness:
    events (avg/stddev):           1310720.0000/10640.30
    execution time (avg/stddev):   1.2138/0.01

Memory Test 9 End: 2018-05-18 00:57:45.999755
```