

4 nodes

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Testgroup "current"
=== 1 file series ===
1 file, 1 thread, seq 1M writes, simple: 19 write iops (10% HDD)1 file, 1 thread, rnd 16k
writes, simple: 268 write iops (37% HDD)1 file, 1 thread, rnd 16k writes, simple, take 2: 264
write iops (40% HDD)
1 file, 16 threads, rnd 4k writes, posixaio: 335 write iops (95% HDD)1 file, 16 threads, rnd
8k writes, posixaio: 348 write iops (82% HDD)1 file, 16 threads, rnd 16k writes, posixaio:
280 write iops (62% HDD)1 file, 16 threads, rnd 16k writes, posixaio, take 2: 312 write iops
(61% HDD)
=== 16 file series ===16 files, 1 thread each, seq 1M writes, simple: 25 write iops (16%
HDD)
16 files, 1 thread each, rnd 16k writes, simple: 2594 write iops (396% HDD)16 files, 1 thread
each, rnd 16k writes, simple, take 2: 1121 write iops (178% HDD)16 files, 1 thread each, rnd
16k writes, posixaio: 842 write iops (180% HDD)16 files, 16 threads each, rnd 16k writes,
posixaio: 4824 write iops (898% HDD)16 files, 16 threads each, rnd 16k writes, posixaio, take
2: 4992 write iops (996% HDD)
=== O_SYNC series ===1 file, 1 thread, rnd 16k writes, simple, o_sync: 269 write iops
(173% HDD)
1 file, 16 threads, rnd 16k writes, posixaio, o_sync: 264 write iops (109% HDD)16 files, 1
thread each, rnd 16k writes, simple, o_sync: 1078 write iops (213% HDD)16 files, 16 threads
each, rnd 16k writes, posixaio, o_sync: 1008 write iops (198% HDD)
=== read series ===
1 file, 1 thread, seq 1M reads, simple: 3 read iops (0% HDD)1 file, 16 threads, rnd 16k
reads, posixaio: 370 read iops (216% HDD)16 files, 1 thread each, seq 1M reads, simple: 104
read iops (2% HDD)16 files, 1 thread each, rnd 16k reads, posixaio: 67170 read iops (14291%
HDD)
16 files, 16 threads each, rnd 16k reads, posixaio: 72861 read iops (14689% HDD)=== native
aio series ===
1 file, 16 threads, rnd 16k writes, native aio: 280 write iops (45% HDD)16 files, 16 threads
each, rnd 16k writes, native aio: 2827 write iops (564% HDD)1 file, 16 threads, rnd 16k
reads, native aio: 365 read iops (278% HDD)16 files, 16 threads each, rnd 16k reads, native
aio: 80553 read iops (16306% HDD)
Tests complete on karatasi @ 2019-09-22 12:11:31.Files remain. To clean up, add argument
"cleanup".

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kenneth@karatasi:/mnt/liz-client/backup> ./storage-tuner-benchmark here . Running tests in
"./stb-testdir" on karatasi @ 2019-09-23 22:24:04 ...storage-tuner-benchmark version 2.1.0
Testgroup "current"
=== 1 file series ===

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1 file, 1 thread, seq 1M writes, simple: 9 write iops (4% HDD)1 file, 1 thread, rnd 16k
writes, simple: 272 write iops (38% HDD)1 file, 1 thread, rnd 16k writes, simple, take 2: 276
write iops (41% HDD)
1 file, 16 threads, rnd 4k writes, posixaio: 412 write iops (117% HDD)1 file, 16 threads, rnd
8k writes, posixaio: 389 write iops (91% HDD)1 file, 16 threads, rnd 16k writes, posixaio:
308 write iops (68% HDD)1 file, 16 threads, rnd 16k writes, posixaio, take 2: 325 write iops
(64% HDD)
=== 16 file series ===16 files, 1 thread each, seq 1M writes, simple: 19 write iops (12%
HDD)
16 files, 1 thread each, rnd 16k writes, simple: 1919 write iops (293% HDD)16 files, 1 thread
each, rnd 16k writes, simple, take 2: 1367 write iops (218% HDD)16 files, 1 thread each, rnd
16k writes, posixaio: 1181 write iops (253% HDD)16 files, 16 threads each, rnd 16k writes,
posixaio: 5032 write iops (937% HDD)16 files, 16 threads each, rnd 16k writes, posixaio, take
2: 4982 write iops (994% HDD)
=== O_SYNC series ===1 file, 1 thread, rnd 16k writes, simple, o_sync: 177 write iops
(114% HDD)
1 file, 16 threads, rnd 16k writes, posixaio, o_sync: 168 write iops (69% HDD)16 files, 1
thread each, rnd 16k writes, simple, o_sync: 994 write iops (196% HDD)16 files, 16 threads
each, rnd 16k writes, posixaio, o_sync: 1009 write iops (198% HDD)
=== read series ===
1 file, 1 thread, seq 1M reads, simple: 5 read iops (0% HDD)1 file, 16 threads, rnd 16k
reads, posixaio: 420 read iops (245% HDD)16 files, 1 thread each, seq 1M reads, simple: 6
read iops (0% HDD)16 files, 1 thread each, rnd 16k reads, posixaio: 55074 read iops (11717%
HDD)
16 files, 16 threads each, rnd 16k reads, posixaio: 58892 read iops (11873% HDD)=== native
aio series ===
1 file, 16 threads, rnd 16k writes, native aio: 212 write iops (34% HDD)16 files, 16 threads
each, rnd 16k writes, native aio: 2972 write iops (593% HDD)1 file, 16 threads, rnd 16k
reads, native aio: 429 read iops (327% HDD)16 files, 16 threads each, rnd 16k reads, native
aio: 64134 read iops (12982% HDD)
Tests complete on karatasi @ 2019-09-23 22:27:45.Files remain. To clean up, add argument
"cleanup".

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storage-tuner-benchmark version 2.1.0

Testgroup "current"

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=== 1 file series ===
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1 file, 1 thread, seq 1M writes, simple: 20 write iops (11% HDD)1 file, 1 thread, rnd 16k
writes, simple: 270 write iops (37% HDD)1 file, 1 thread, rnd 16k writes, simple, take 2: 245
write iops (37% HDD)

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1 file, 16 threads, rnd 4k writes, posixaio: 356 write iops (101% HDD)1 file, 16 threads, rnd

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8k writes, posixaio: 332 write iops (78% HDD)1 file, 16 threads, rnd 16k writes, posixaio: 313 write iops (70% HDD)1 file, 16 threads, rnd 16k writes, posixaio, take 2: 298 write iops (59% HDD)

=== 16 file series ===16 files, 1 thread each, seq 1M writes, simple: 28 write iops (18% HDD)

16 files, 1 thread each, rnd 16k writes, simple: 2603 write iops (398% HDD)16 files, 1 thread each, rnd 16k writes, simple, take 2: 873 write iops (139% HDD)16 files, 1 thread each, rnd 16k writes, posixaio: 974 write iops (209% HDD)16 files, 16 threads each, rnd 16k writes, posixaio: 3089 write iops (575% HDD)16 files, 16 threads each, rnd 16k writes, posixaio, take 2: 4961 write iops (990% HDD)

=== 0\_SYNC series ===1 file, 1 thread, rnd 16k writes, simple, o\_sync: 265 write iops (170% HDD)

1 file, 16 threads, rnd 16k writes, posixaio, o\_sync: 274 write iops (113% HDD)16 files, 1 thread each, rnd 16k writes, simple, o\_sync: 968 write iops (191% HDD)16 files, 16 threads each, rnd 16k writes, posixaio, o\_sync: 846 write iops (166% HDD)

=== read series ===

1 file, 1 thread, seq 1M reads, simple: 4 read iops (0% HDD)1 file, 16 threads, rnd 16k reads, posixaio: 356 read iops (208% HDD)16 files, 1 thread each, seq 1M reads, simple: 165 read iops (4% HDD)16 files, 1 thread each, rnd 16k reads, posixaio: 58710 read iops (12491% HDD)

16 files, 16 threads each, rnd 16k reads, posixaio: 62699 read iops (12640% HDD)=== native aio series ===

1 file, 16 threads, rnd 16k writes, native aio: 260 write iops (42% HDD)16 files, 16 threads each, rnd 16k writes, native aio: 3222 write iops (643% HDD)1 file, 16 threads, rnd 16k reads, native aio: 363 read iops (277% HDD)16 files, 16 threads each, rnd 16k reads, native aio: 72852 read iops (14747% HDD)

Tests complete on karatasi @ 2019-09-25 20:32:59.Files remain. To clean up, add argument "cleanup".

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Revision #2

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