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pve.ct1.nvme.fs-system-1.run-1

pve.ct1.nvme.fs-system-1.run-1

Test Systems:

pve.ct1.nvme.fs-system-1.run-1

Processor: Intel Xeon Gold 6136 @ 3.70GHz (12 Cores), Motherboard: Supermicro X11DPH-i v1.01 (3.2 BIOS), Memory: 2 x 64 GB DDR4-2400MT/s HMAA8GL7MMR4N-UH, Disk: 1000GB KINGSTON SKC2000M81000G + 2048GB Samsung SSD 960 PRO 2TB + 960GB SMC3108 + 31GB USB Flash Drive, Graphics: astdrmfb

OS: Debian GNU/Linux 10, Kernel: 5.4.44-2-pve (x86_64), Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1024x768, System Layer: lxc

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: NONE / relatime,rw
Processor Notes: Scaling Governor: intel_pstate performance - CPU Microcode: 0x2000065

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Java Notes: OpenJDK Runtime Environment (build 11.0.8+10-post-Debian-1deb10u1)
Python Notes: Python 2.7.16 + Python 3.7.3
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Mitigation of Clear buffers; SMT vulnerable

	pve.ct1.nvme.fs-system-1.run-1
SQLite - 1 (sec)	14.747
Standard Deviation	1.8%
SQLite - 8 (sec)	45.330
Standard Deviation	2.9%
SQLite - 32 (sec)	73.171
Standard Deviation	2.7%
SQLite - 64 (sec)	90.140
Standard Deviation	1.9%
SQLite - 128 (sec)	121.736
Standard Deviation	3.4%
Flexible IO Tester - Rand Read - Linux AIO - No - No - 16KB (MB/s)	3653
Standard Deviation	0.6%
Flexible IO Tester - Rand Read - Linux AIO - No - No - 16KB (IOPS)	233667
Standard Deviation	0.7%
Flexible IO Tester - Rand Read - Linux AIO - No - No - 32KB (MB/s)	4709
Standard Deviation	0.7%
Flexible IO Tester - Rand Read - Linux AIO - No - No - 32KB (IOPS)	150667
Standard Deviation	1%
Flexible IO Tester - Rand Read - Linux AIO - No - No - 64KB (MB/s)	5080
Standard Deviation	0.5%
Flexible IO Tester - Rand Read - Linux AIO - No - No - 64KB (IOPS)	81267
Standard Deviation	0.6%
Flexible IO Tester - Rand Read - Linux AIO - No - No - 128KB (MB/s)	5081
Standard Deviation	0.5%
Flexible IO Tester - Rand Read - Linux AIO - No - No - 128KB (IOPS)	40633
Standard Deviation	0.5%
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 16KB (MB/s)	3650
Standard Deviation	0.8%
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 16KB (IOPS)	233333
Standard Deviation	0.9%
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 32KB (MB/s)	4716
Standard Deviation	0.4%
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 32KB (IOPS)	151000
Standard Deviation	0.7%
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 64KB (MB/s)	5077
Standard Deviation	0.2%
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 64KB (IOPS)	81233
Standard Deviation	0.1%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 16KB (MB/s)	764
Standard Deviation	0.7%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 16KB (IOPS)	48833
Standard Deviation	0.7%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 32KB (MB/s)	1005

Standard Deviation	0.2%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 32KB (IOPS)	32150
Standard Deviation	0.2%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 64KB (MB/s)	1203
Standard Deviation	0.6%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 64KB (IOPS)	19233
Standard Deviation	0.6%
Flexible IO Tester - Rand Write - Linux AIO - No - No - 16KB (MB/s)	2825
Standard Deviation	0.9%
Flexible IO Tester - Rand Write - Linux AIO - No - No - 16KB (IOPS)	181000
Standard Deviation	1%
Flexible IO Tester - Rand Write - Linux AIO - No - No - 32KB (MB/s)	3648
Standard Deviation	2%
Flexible IO Tester - Rand Write - Linux AIO - No - No - 32KB (IOPS)	116667
Standard Deviation	1.8%
Flexible IO Tester - Rand Write - Linux AIO - No - No - 64KB (MB/s)	3840
Standard Deviation	1.8%
Flexible IO Tester - Rand Write - Linux AIO - No - No - 64KB (IOPS)	61433
Standard Deviation	1.8%
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 128KB	5073
Standard Deviation	0.3%
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 128KB	40567
Standard Deviation	0.3%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 128KB	1387
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 128KB	11100
Flexible IO Tester - Rand Read - Linux AIO - Yes - Yes - 16KB	757
Standard Deviation	0.4%
Flexible IO Tester - Rand Read - Linux AIO - Yes - Yes - 16KB	48467
Standard Deviation	0.3%
Flexible IO Tester - Rand Read - Linux AIO - Yes - Yes - 32KB	1010
Standard Deviation	0.4%
Flexible IO Tester - Rand Read - Linux AIO - Yes - Yes - 32KB	32300
Standard Deviation	0.4%
Flexible IO Tester - Rand Read - Linux AIO - Yes - Yes - 64KB	1212
Standard Deviation	0.6%
Flexible IO Tester - Rand Read - Linux AIO - Yes - Yes - 64KB	19367
Standard Deviation	0.6%
Flexible IO Tester - Rand Write - Linux AIO - No - No - 128KB (MB/s)	3741
Standard Deviation	1.6%
Flexible IO Tester - Rand Write - Linux AIO - No - No - 128KB (IOPS)	29900
Standard Deviation	1.5%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 16KB (MB/s)	2807
Standard Deviation	0.3%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 16KB (IOPS)	179667
Standard Deviation	0.3%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 32KB (MB/s)	3637
Standard Deviation	0.6%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 32KB (IOPS)	116333
Standard Deviation	0.5%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 64KB (MB/s)	3868
Standard Deviation	0.3%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 64KB (IOPS)	61867
Standard Deviation	0.2%

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Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 16KB (MB/s) 1021
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 16KB (IOPS) 65333
Standard Deviation 0.2%
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 32KB (MB/s) 1177
Standard Deviation 2.3%
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 32KB (IOPS) 37667
Standard Deviation 2.4%
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 64KB (MB/s) 1219
Standard Deviation 0.1%
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 64KB (IOPS) 19500
Flexible IO Tester - Rand Read - Linux AIO - Yes - Yes - 128KB 1579
Standard Deviation 0.6%
Flexible IO Tester - Rand Read - Linux AIO - Yes - Yes - 128KB 12633
Standard Deviation 0.9%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 128KB 3794
Standard Deviation 2.3%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 128KB 30333
Standard Deviation 2.4%
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 128KB 1219
Standard Deviation 0.9%
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 128KB 9752
Standard Deviation 0.8%
Flexible IO Tester - Rand Write - Linux AIO - Yes - Yes - 16KB 1011
Standard Deviation 0.2%
Flexible IO Tester - Rand Write - Linux AIO - Yes - Yes - 16KB 64740
Standard Deviation 0.2%
Flexible IO Tester - Rand Write - Linux AIO - Yes - Yes - 32KB 1172
Standard Deviation 1.3%
Flexible IO Tester - Rand Write - Linux AIO - Yes - Yes - 32KB 36867
Standard Deviation 2.2%
Flexible IO Tester - Rand Write - Linux AIO - Yes - Yes - 64KB 1217
Standard Deviation 1%
Flexible IO Tester - Rand Write - Linux AIO - Yes - Yes - 64KB 19467
Standard Deviation 1.1%
Flexible IO Tester - Rand Write - Linux AIO - Yes - Yes - 128KB 1229
Standard Deviation 0.7%
Flexible IO Tester - Rand Write - Linux AIO - Yes - Yes - 128KB 9829
Standard Deviation 0.8%
Flexible IO Tester - Seq Read - Linux AIO - No - No - 16KB (MB/s) 3798
Standard Deviation 0.5%
Flexible IO Tester - Seq Read - Linux AIO - No - No - 16KB (IOPS) 243000
Standard Deviation 0.4%
Flexible IO Tester - Seq Read - Linux AIO - No - No - 32KB (MB/s) 4925
Flexible IO Tester - Seq Read - Linux AIO - No - No - 32KB (IOPS) 157667
Standard Deviation 0.4%
Flexible IO Tester - Seq Read - Linux AIO - No - No - 64KB (MB/s) 5202
Standard Deviation 0.6%
Flexible IO Tester - Seq Read - Linux AIO - No - No - 64KB (IOPS) 83200
Standard Deviation 0.6%
Flexible IO Tester - Seq Read - Linux AIO - No - No - 128KB (MB/s) 5137
Standard Deviation 0.4%
Flexible IO Tester - Seq Read - Linux AIO - No - No - 128KB (IOPS) 40767
Standard Deviation 1.7%

Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 16KB (MB/s) 3812

Standard Deviation 0.3%

Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 16KB (IOPS) 244000

Standard Deviation 0.4%

Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 32KB (MB/s) 4926

Standard Deviation 1.1%

Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 32KB (IOPS) 157667

Standard Deviation 1%

Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 64KB (MB/s) 5189

Standard Deviation 0.2%

Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 64KB (IOPS) 82667

Standard Deviation 0.7%

Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 16KB (MB/s) 2274

Standard Deviation 2%

Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 16KB (IOPS) 145667

Standard Deviation 2.1%

Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 32KB (MB/s) 2555

Standard Deviation 1.3%

Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 32KB (IOPS) 81767

Standard Deviation 1.2%

Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 64KB (MB/s) 2758

Standard Deviation 1.4%

Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 64KB (IOPS) 44133

Standard Deviation 1.3%

Flexible IO Tester - Seq Write - Linux AIO - No - No - 16KB (MB/s) 3014

Standard Deviation 0.2%

Flexible IO Tester - Seq Write - Linux AIO - No - No - 16KB (IOPS) 192667

Standard Deviation 0.3%

Flexible IO Tester - Seq Write - Linux AIO - No - No - 32KB (MB/s) 3902

Standard Deviation 0.9%

Flexible IO Tester - Seq Write - Linux AIO - No - No - 32KB (IOPS) 125000

Standard Deviation 0.8%

Flexible IO Tester - Seq Write - Linux AIO - No - No - 64KB (MB/s) 4012

Standard Deviation 2.1%

Flexible IO Tester - Seq Write - Linux AIO - No - No - 64KB (IOPS) 64275

Standard Deviation 1.8%

Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 128KB (MB/s) 5131

Standard Deviation 0.1%

Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 128KB (IOPS) 41033

Standard Deviation 0.1%

Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 128KB (MB/s) 2836

Standard Deviation 1.2%

Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 128KB (IOPS) 22333

Standard Deviation 1.3%

Flexible IO Tester - Seq Read - Linux AIO - Yes - Yes - 16KB (MB/s) 2285

Standard Deviation 1%

Flexible IO Tester - Seq Read - Linux AIO - Yes - Yes - 16KB (IOPS) 146333

Standard Deviation 1%

Flexible IO Tester - Seq Read - Linux AIO - Yes - Yes - 32KB (MB/s) 2580

Standard Deviation 1.3%

Flexible IO Tester - Seq Read - Linux AIO - Yes - Yes - 32KB (IOPS) 82567

Standard Deviation 1.3%

Flexible IO Tester - Seq Read - Linux AIO - Yes - Yes - 64KB (MB/s) 2760

Standard Deviation 0.9%

Flexible IO Tester - Seq Read - Linux AIO - Yes - Yes - 64KB (IOPS) 44133

Standard Deviation 0.9%

Flexible IO Tester - Seq Write - Linux AIO - No - No - 128KB (MB/s) 3918

Standard Deviation 1.1%

Flexible IO Tester - Seq Write - Linux AIO - No - No - 128KB (IOPS) 31333

Standard Deviation 1%

Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 16KB (MB/s) 3032

Standard Deviation 1.5%

Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 16KB (IOPS) 194000

Standard Deviation 1.4%

Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 32KB (MB/s) 3820

Standard Deviation 1.3%

Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 32KB (IOPS) 122000

Standard Deviation 1.4%

Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 64KB (MB/s) 4050

Standard Deviation 0.3%

Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 64KB (IOPS) 64800

Standard Deviation 0.3%

Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 16KB (MB/s) 1181

Standard Deviation 0.6%

Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 16KB (IOPS) 75567

Standard Deviation 0.5%

Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 32KB (MB/s) 1215

Standard Deviation 0.3%

Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 32KB (IOPS) 38533

Standard Deviation 1.2%

Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 64KB (MB/s) 1220

Standard Deviation 1%

Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 64KB (IOPS) 19500

Standard Deviation 0.9%

Flexible IO Tester - Seq Read - Linux AIO - Yes - Yes - 128KB (MB/s) 2794

Standard Deviation 0.7%

Flexible IO Tester - Seq Read - Linux AIO - Yes - Yes - 128KB (IOPS) 22333

Standard Deviation 0.7%

Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 128KB (MB/s) 3899

Standard Deviation 0.9%

Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 128KB (IOPS) 31200

Standard Deviation 1%

Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 128KB (MB/s) 1229

Standard Deviation 1.1%

Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 128KB (IOPS) 9831

Standard Deviation 1.1%

Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 16KB (MB/s) 1186

Standard Deviation 1.1%

Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 16KB (IOPS) 75567

Standard Deviation 1.9%

Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 32KB (MB/s) 1219

Standard Deviation 0.8%

Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 32KB (IOPS) 38667

Standard Deviation 1.7%

Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 64KB (MB/s) 1207

Standard Deviation 1.3%

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Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 64KB (IOPS)	19333
Standard Deviation	1.3%
Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 128KB (MB/s)	1220
Standard Deviation	1.1%
Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 128KB (IOPS)	9756
Standard Deviation	1.1%
FS-Mark - 1.F.1.S (Files/s)	293.9
Standard Deviation	4.7%
FS-Mark - 5.F.1.S.4.T (Files/s)	560.7
Standard Deviation	2.9%
FS-Mark - 4.F.3.S.D.1.S (Files/s)	335.5
Standard Deviation	1.2%
FS-Mark - 1.F.1.S.N.S.F (Files/s)	1906
Standard Deviation	0.6%
BlogBench - Read (Final Score)	501915
Standard Deviation	2.9%
BlogBench - Write (Final Score)	8933
Standard Deviation	2.2%
Dbench - 1 (MB/s)	302.906
Standard Deviation	3%
Dbench - 6 (MB/s)	1161
Standard Deviation	0.8%
Dbench - 12 (MB/s)	1633
Standard Deviation	1.1%
Dbench - 48 (MB/s)	2137
Standard Deviation	0.2%
Dbench - 128 (MB/s)	2152
Standard Deviation	0.2%
Dbench - 256 (MB/s)	1559
Standard Deviation	0.3%
Compile Bench - Compile (MB/s)	1102
Standard Deviation	3%
Compile Bench - Initial Create (MB/s)	395.32
Standard Deviation	0.7%
Compile Bench - Read Compiled Tree (MB/s)	1104
Standard Deviation	0.6%
PostMark - D.T.P (TPS)	4716
RAMspeed SMP - Add - Integer (MB/s)	23303
Standard Deviation	0.2%
RAMspeed SMP - Copy - Integer (MB/s)	22601
Standard Deviation	0.5%
RAMspeed SMP - Scale - Integer (MB/s)	22348
Standard Deviation	0.4%
RAMspeed SMP - Triad - Integer (MB/s)	23069
Standard Deviation	0.2%
RAMspeed SMP - Average - Integer (MB/s)	22802
Standard Deviation	0.4%
RAMspeed SMP - Add - Floating Point (MB/s)	23198
Standard Deviation	0.3%
RAMspeed SMP - Copy - Floating Point (MB/s)	22544
Standard Deviation	0.3%
RAMspeed SMP - Scale - Floating Point (MB/s)	22335
Standard Deviation	0.1%

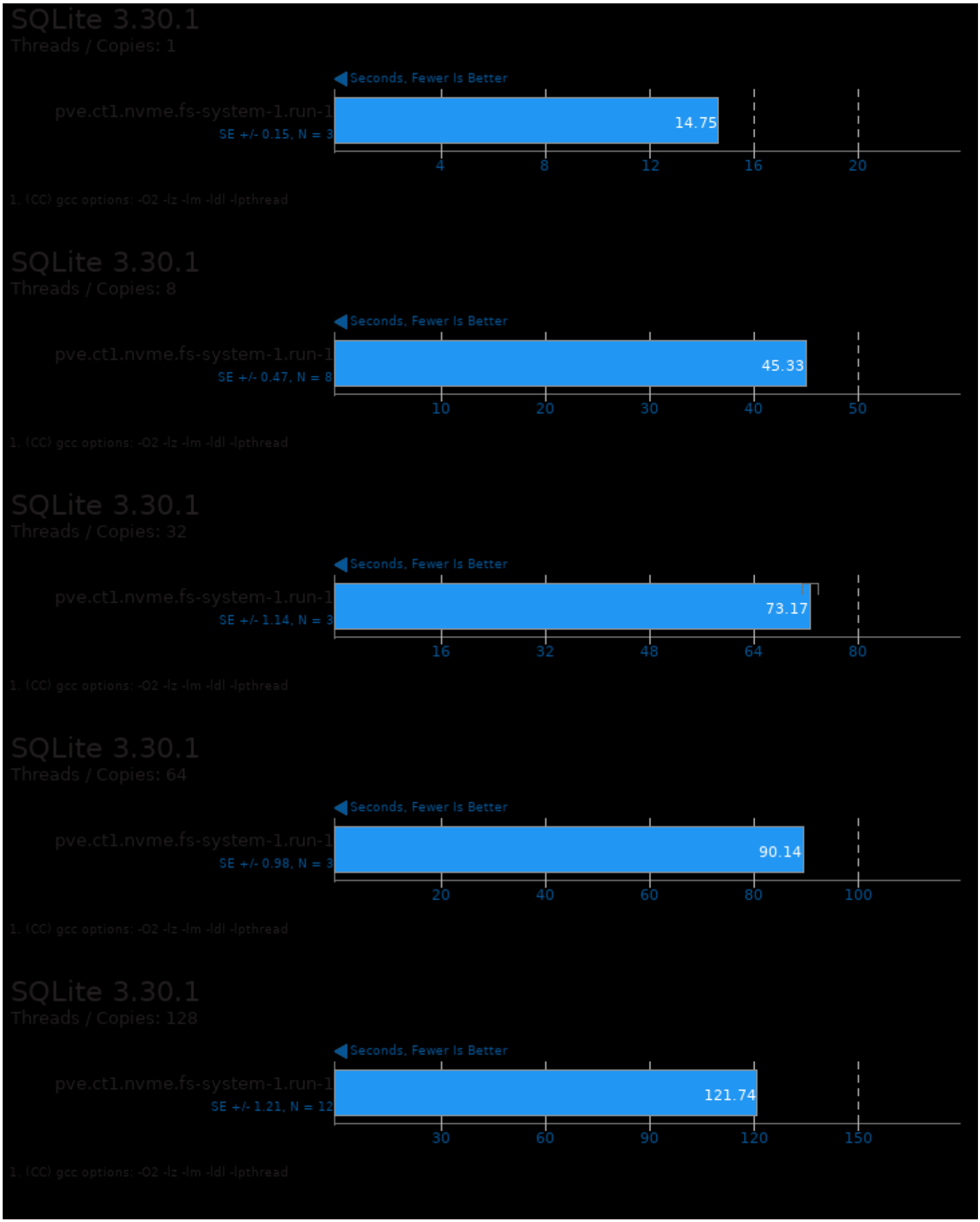
pve.ct1.nvme.fs-system-1.run-1

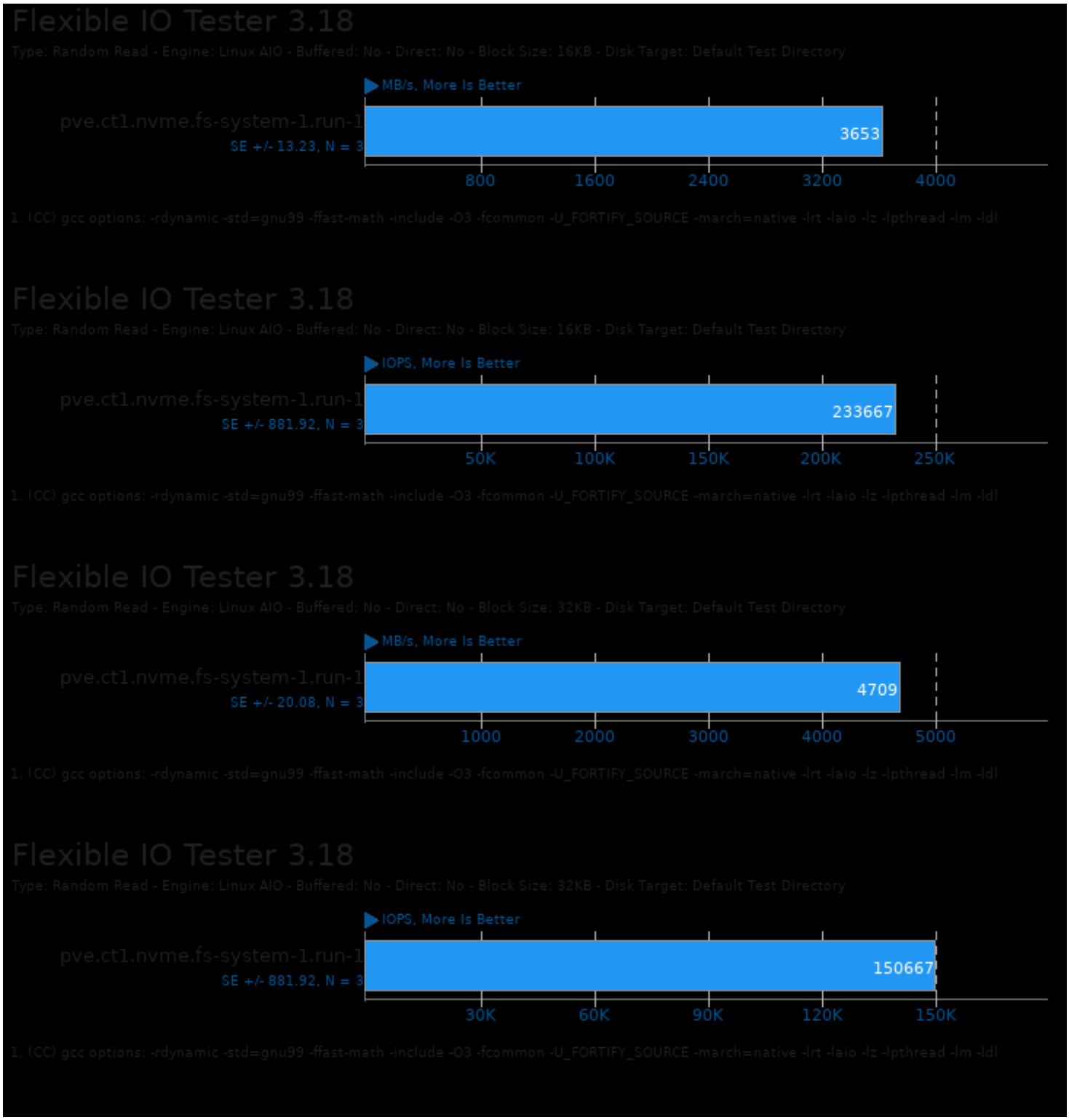
RAMspeed SMP - Triad - Floating Point (MB/s)	23189
Standard Deviation	0.2%
RAMspeed SMP - Average - Floating Point (MB/s)	22746
Standard Deviation	0.2%
Stream - Copy (MB/s)	31495
Standard Deviation	0%
Stream - Scale (MB/s)	22112
Standard Deviation	0%
Stream - Triad (MB/s)	25151
Standard Deviation	0.1%
Stream - Add (MB/s)	25052
Standard Deviation	0%
CacheBench - Read (MB/s)	3105
Standard Deviation	0%
CacheBench - Write (MB/s)	25580
Standard Deviation	0%
CacheBench - R.M.W (MB/s)	27181
Standard Deviation	0.3%
x264 - H.2.V.E (FPS)	28.11
Standard Deviation	0.3%
Coremark - CoreMark Size 666 - I.P.S (Iterations/Sec)	95170
Standard Deviation	2.6%
FFmpeg - H.2.H.T.N.D (sec)	7.851
Standard Deviation	1.3%
PostgreSQL pgbench - On-Disk - Normal Load - Read Only (TPS)	34796
Standard Deviation	0.4%
PostgreSQL pgbench - On-Disk - Normal Load - Read Write (TPS)	5916
Standard Deviation	0.3%
PostgreSQL pgbench - On-Disk - Single Thread - Read Only (TPS)	11698
Standard Deviation	0.5%
PostgreSQL pgbench - Mostly RAM - Normal Load - Read Only	38748
Standard Deviation	2.1%
PostgreSQL pgbench - On-Disk - Single Thread - Read Write (TPS)	1007
Standard Deviation	0.2%
PostgreSQL pgbench - Buffer Test - Normal Load - Read Only (TPS)	56797
Standard Deviation	0.5%
PostgreSQL pgbench - Mostly RAM - Normal Load - Read Write	6120
Standard Deviation	0.6%
PostgreSQL pgbench - Buffer Test - Normal Load - Read Write	6423
Standard Deviation	0.2%
PostgreSQL pgbench - Mostly RAM - Single Thread - Read Only	13519
Standard Deviation	0.7%
PostgreSQL pgbench - On-Disk - Heavy Contention - Read Only	34376
Standard Deviation	0.3%
PostgreSQL pgbench - Buffer Test - Single Thread - Read Only	22653
Standard Deviation	0.6%
PostgreSQL pgbench - Mostly RAM - Single Thread - Read Write	1033
Standard Deviation	0.5%
PostgreSQL pgbench - On-Disk - Heavy Contention - Read Write	6508
Standard Deviation	2%
PostgreSQL pgbench - Buffer Test - Single Thread - Read Write	1217
Standard Deviation	0.9%

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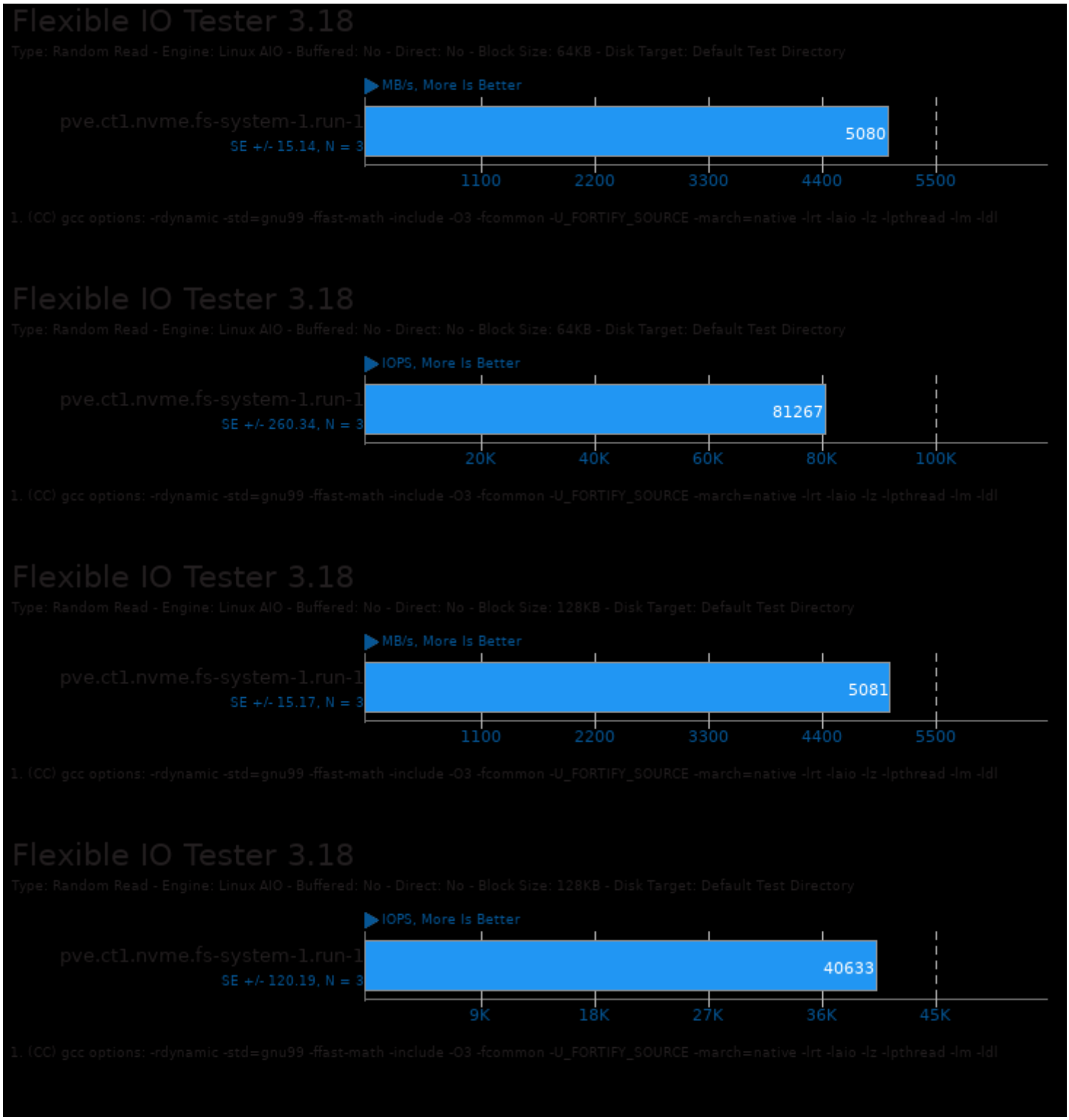
PostgreSQL pgbench - Mostly RAM - Heavy Contention - Read Only (TPS)	38913
Standard Deviation	0.1%
PostgreSQL pgbench - Buffer Test - Heavy Contention - Read Only (TPS)	59622
Standard Deviation	0.5%
PostgreSQL pgbench - Mostly RAM - Heavy Contention - Read Write (TPS)	6970
Standard Deviation	0.2%
PostgreSQL pgbench - Buffer Test - Heavy Contention - Read Write (TPS)	6309
Standard Deviation	1%
SQLite Speedtest - Timed Time - Size 1,000 (sec)	107.671
Standard Deviation	0.7%
Memtier_benchmark - Redis (Ops/sec)	1415111
Standard Deviation	1.2%
Sysbench - Memory (Events/sec)	5020685
Standard Deviation	2.1%
Sysbench - CPU (Events/sec)	5099
Standard Deviation	0%
PyBench - T.F.A.T.T (Milliseconds)	2269
Standard Deviation	0.7%
NGINX Benchmark - S.W.P.S (Reqs/sec)	33664
Standard Deviation	0.4%
Apache Benchmark - S.W.P.S (Reqs/sec)	25641
Standard Deviation	1.4%

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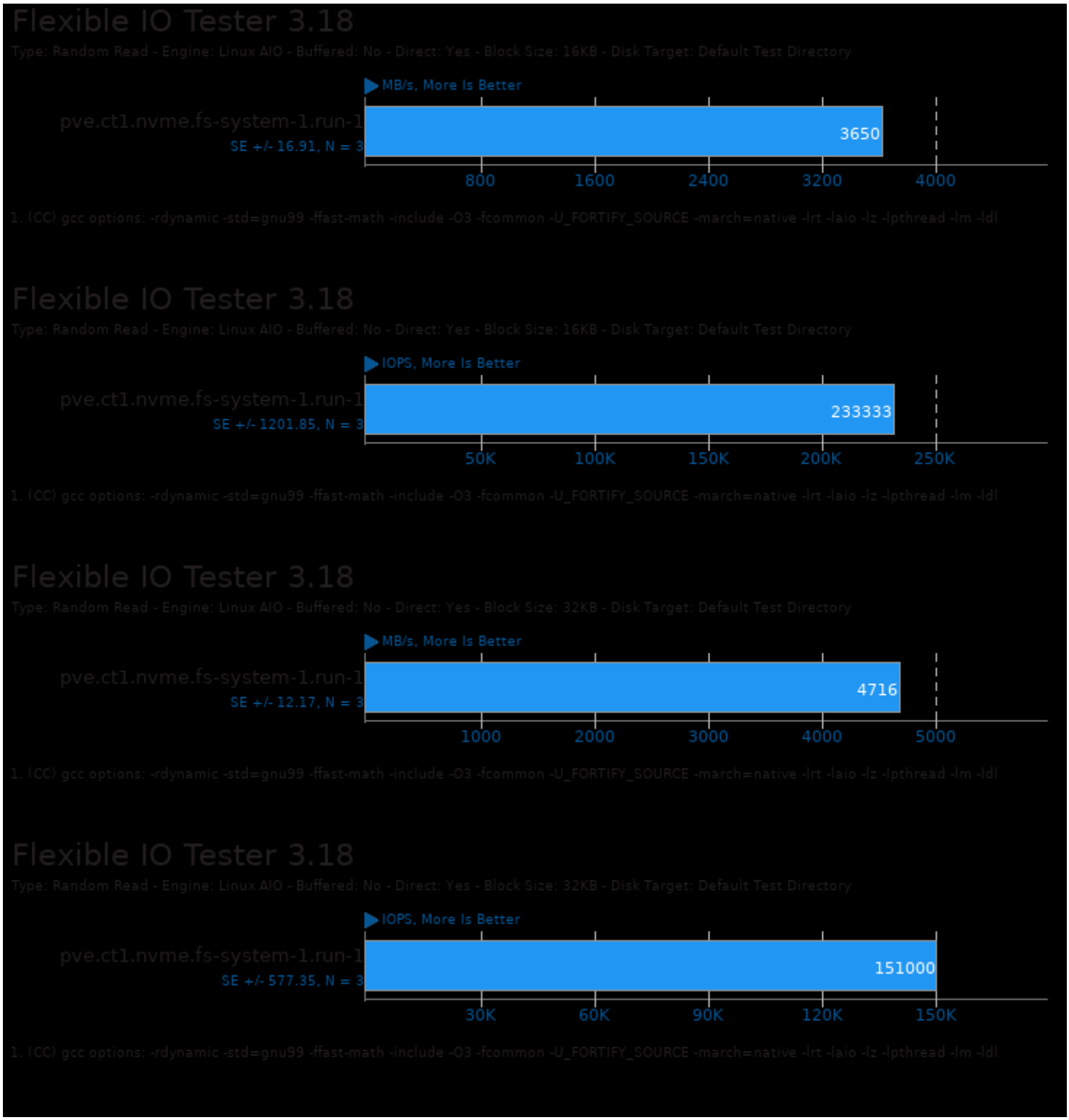



Flexible IO Tester 3.18
Type: Random Read - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 13.23, N = 3
3653
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Read - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 881.92, N = 3
233667
50K
100K
150K
200K
250K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Read - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 32KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 20.08, N = 3
4709
1000
2000
3000
4000
5000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Read - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 32KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 881.92, N = 3
150667
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

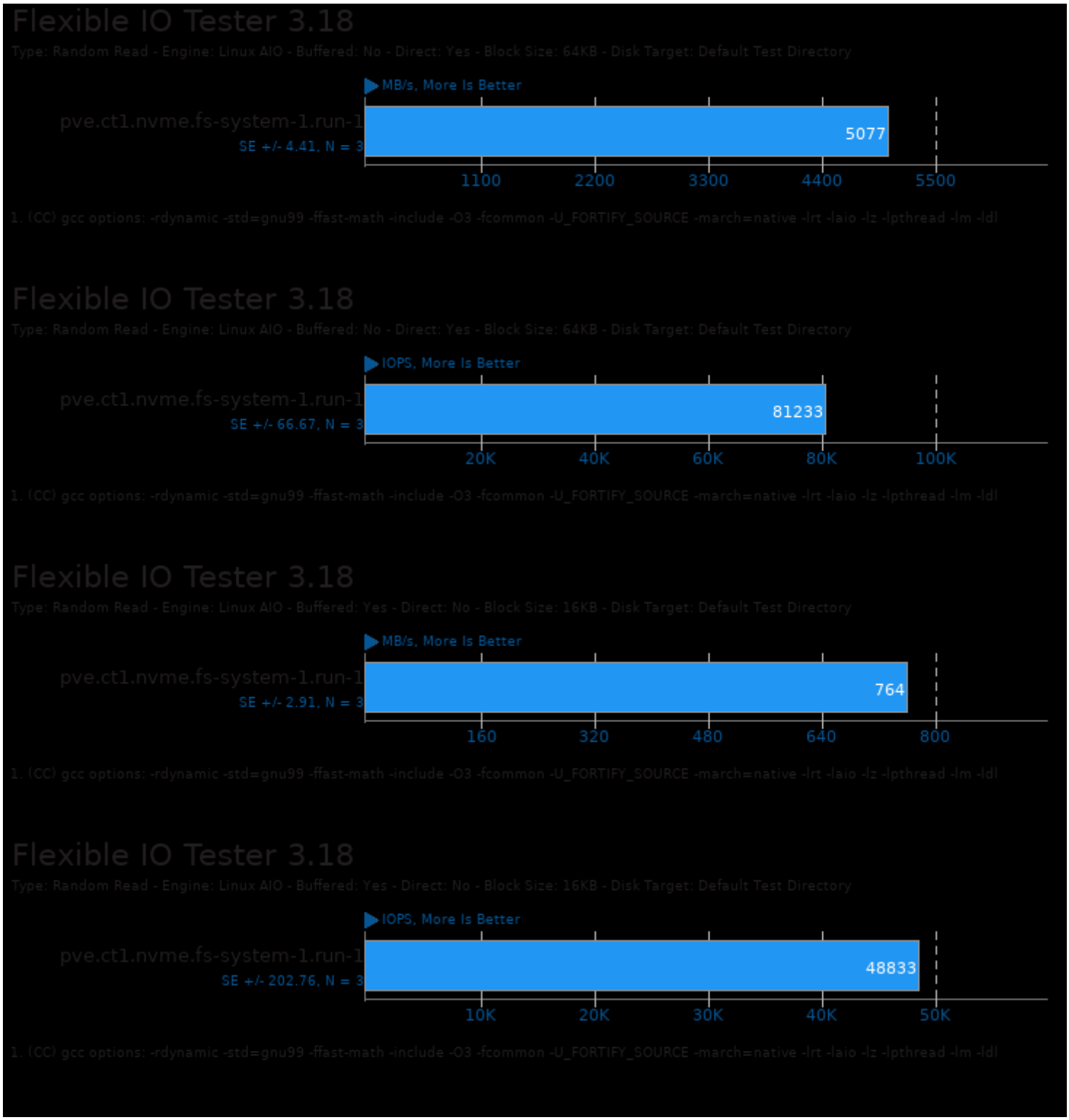
pve.ct1.nvme.fs-system-1.run-1

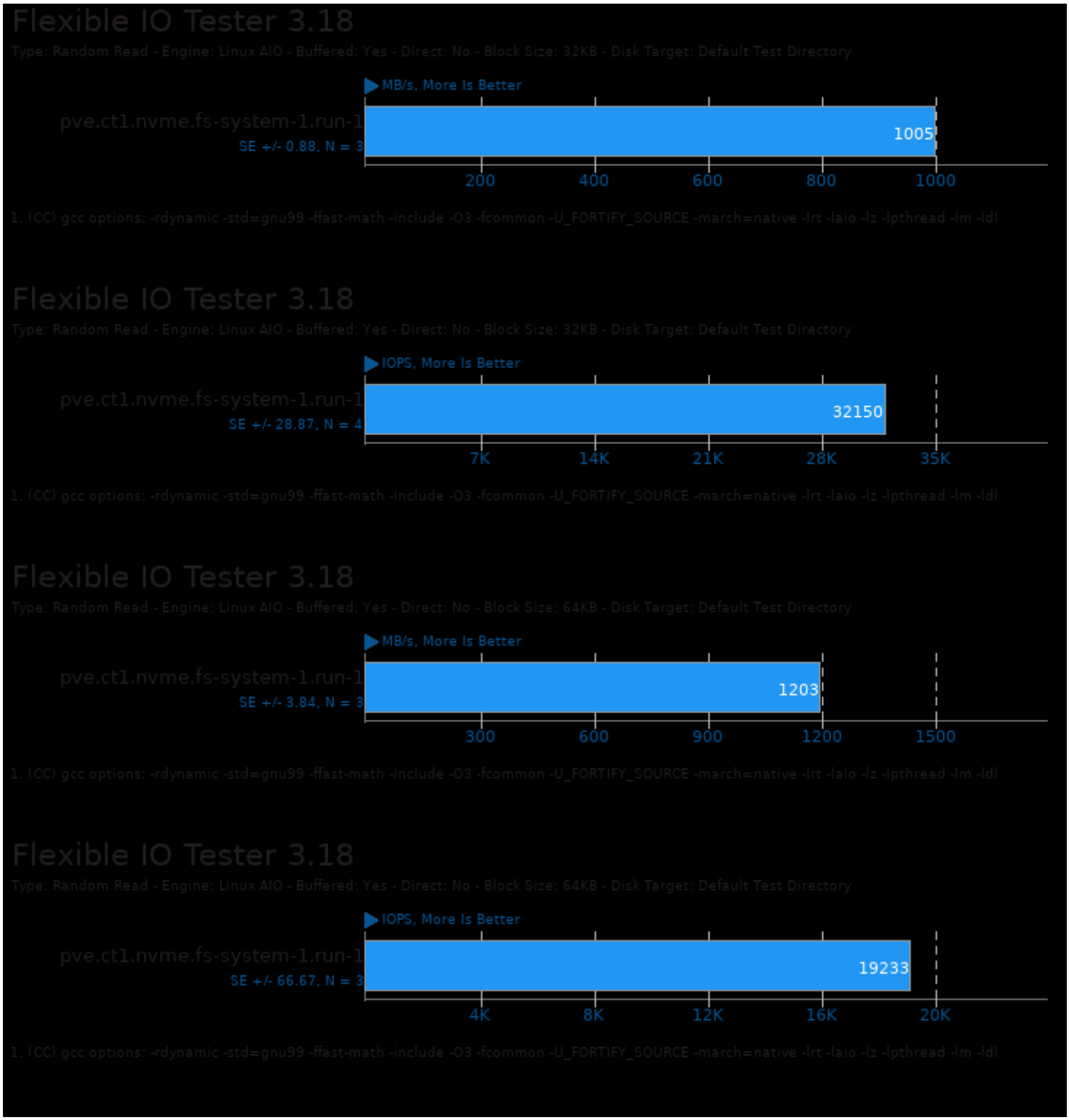


pve.ct1.nvme.fs-system-1.run-1

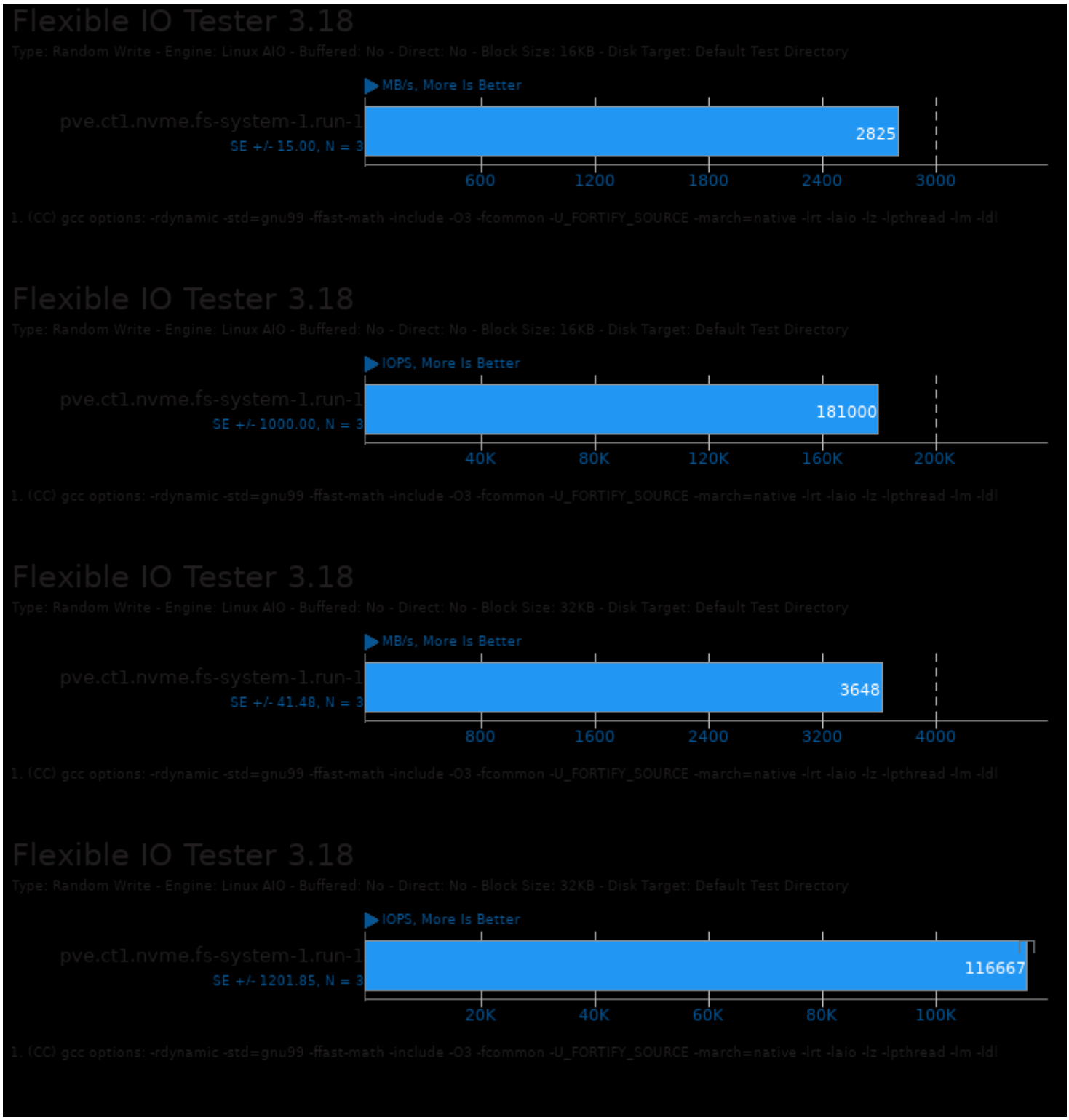


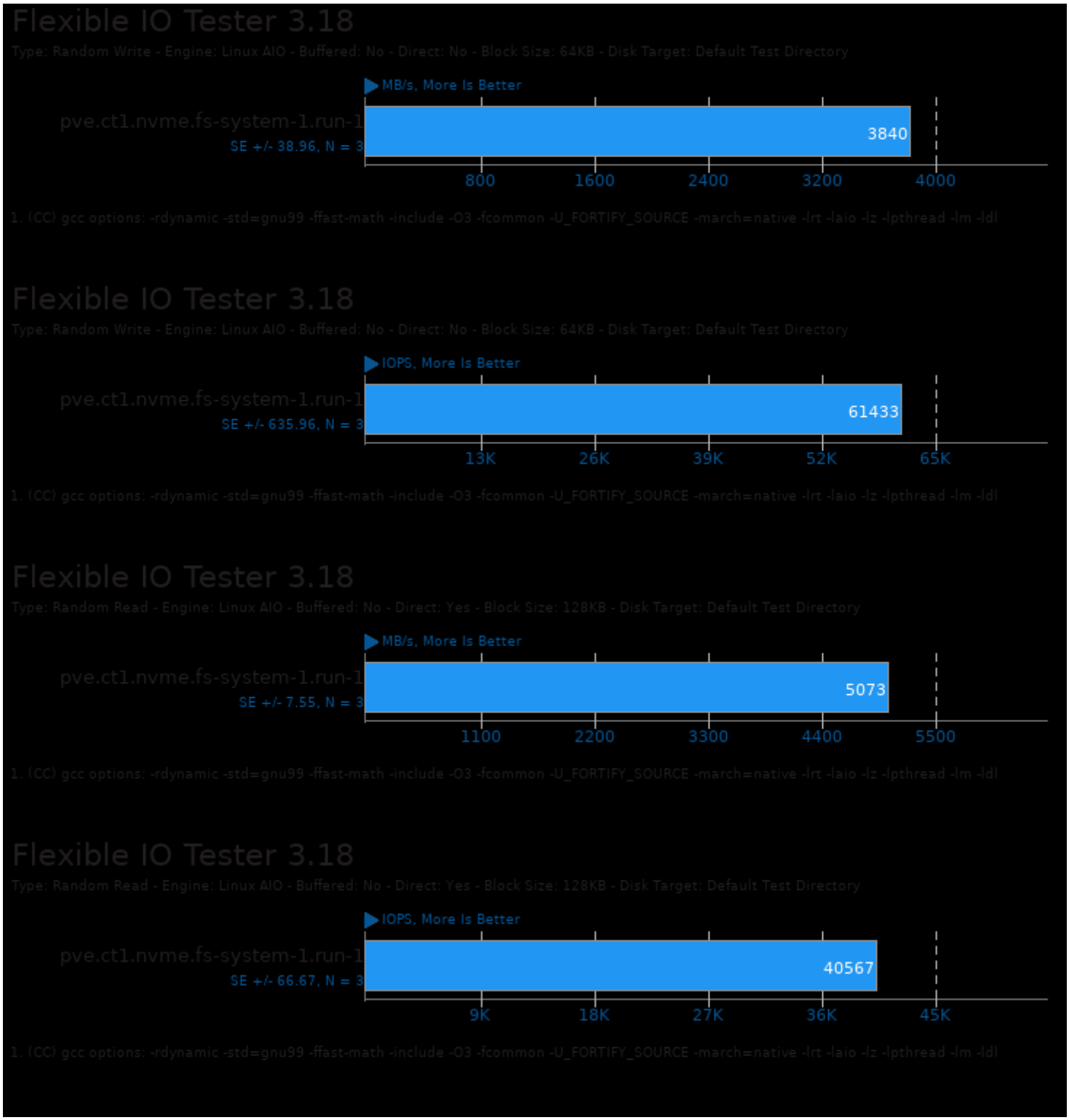
pve.ct1.nvme.fs-system-1.run-1




Flexible IO Tester 3.18
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 32KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 0.88, N = 3
1005
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 32KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 28.87, N = 4
32150
7K
14K
21K
28K
35K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 64KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 3.84, N = 3
1203
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 64KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 66.67, N = 3
19233
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

pve.ct1.nvme.fs-system-1.run-1

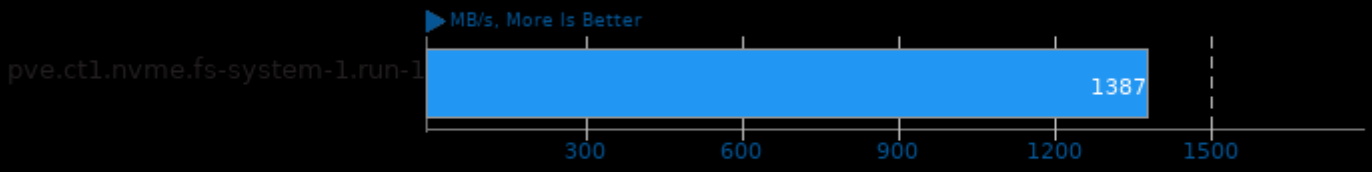



Flexible IO Tester 3.18
Type: Random Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 64KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 38.96, N = 3
3840
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 64KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 635.96, N = 3
61433
13K
26K
39K
52K
65K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 128KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 7.55, N = 3
5073
1100
2200
3300
4400
5500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 128KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 66.67, N = 3
40567
9K
18K
27K
36K
45K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

pve.ct1.nvme.fs-system-1.run-1

Flexible IO Tester 3.18

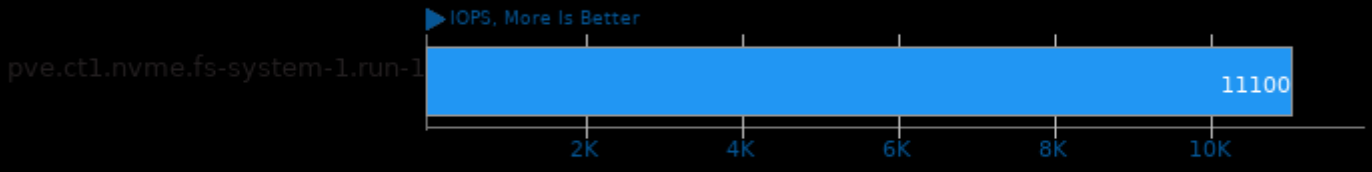
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 128KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

Flexible IO Tester 3.18

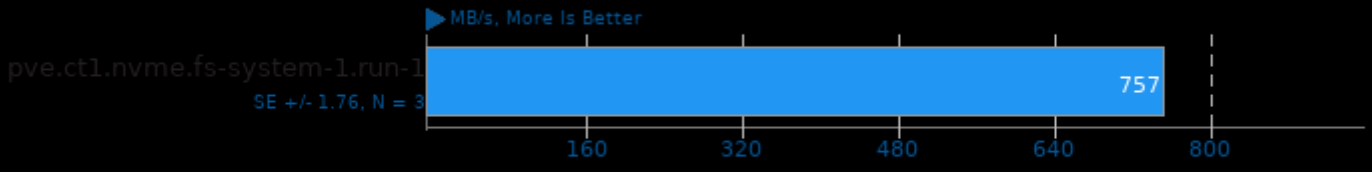
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 128KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

Flexible IO Tester 3.18

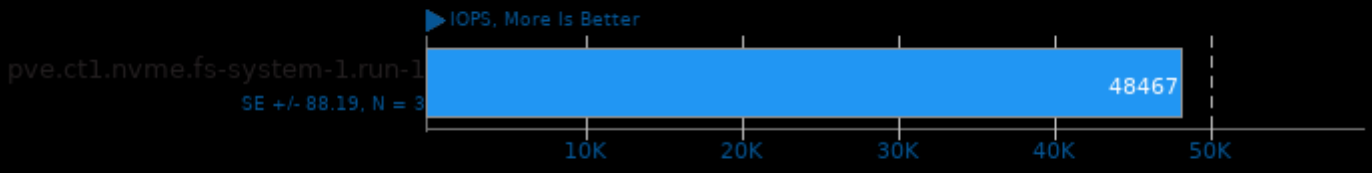
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

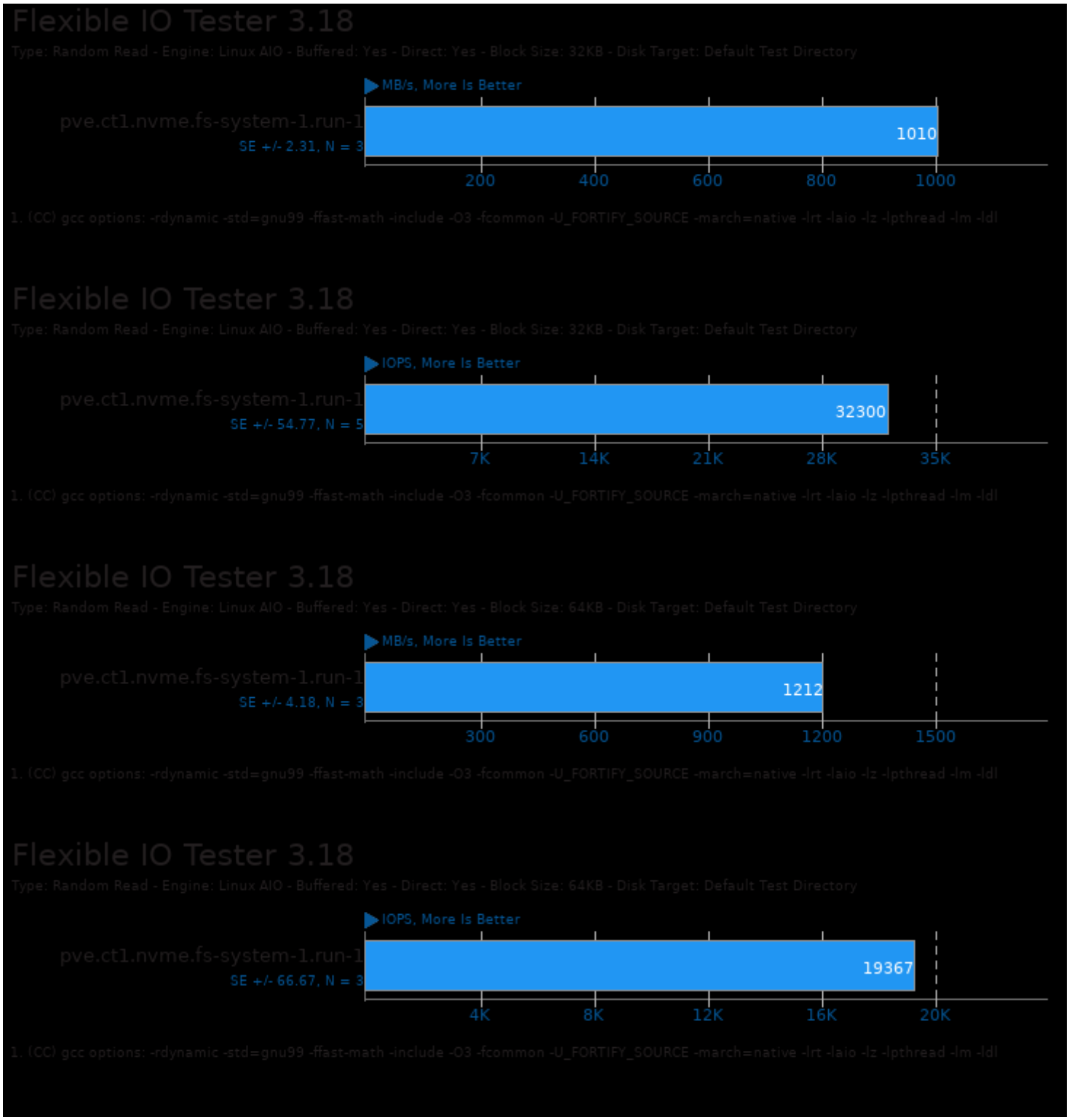
Flexible IO Tester 3.18

Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: Default Test Directory

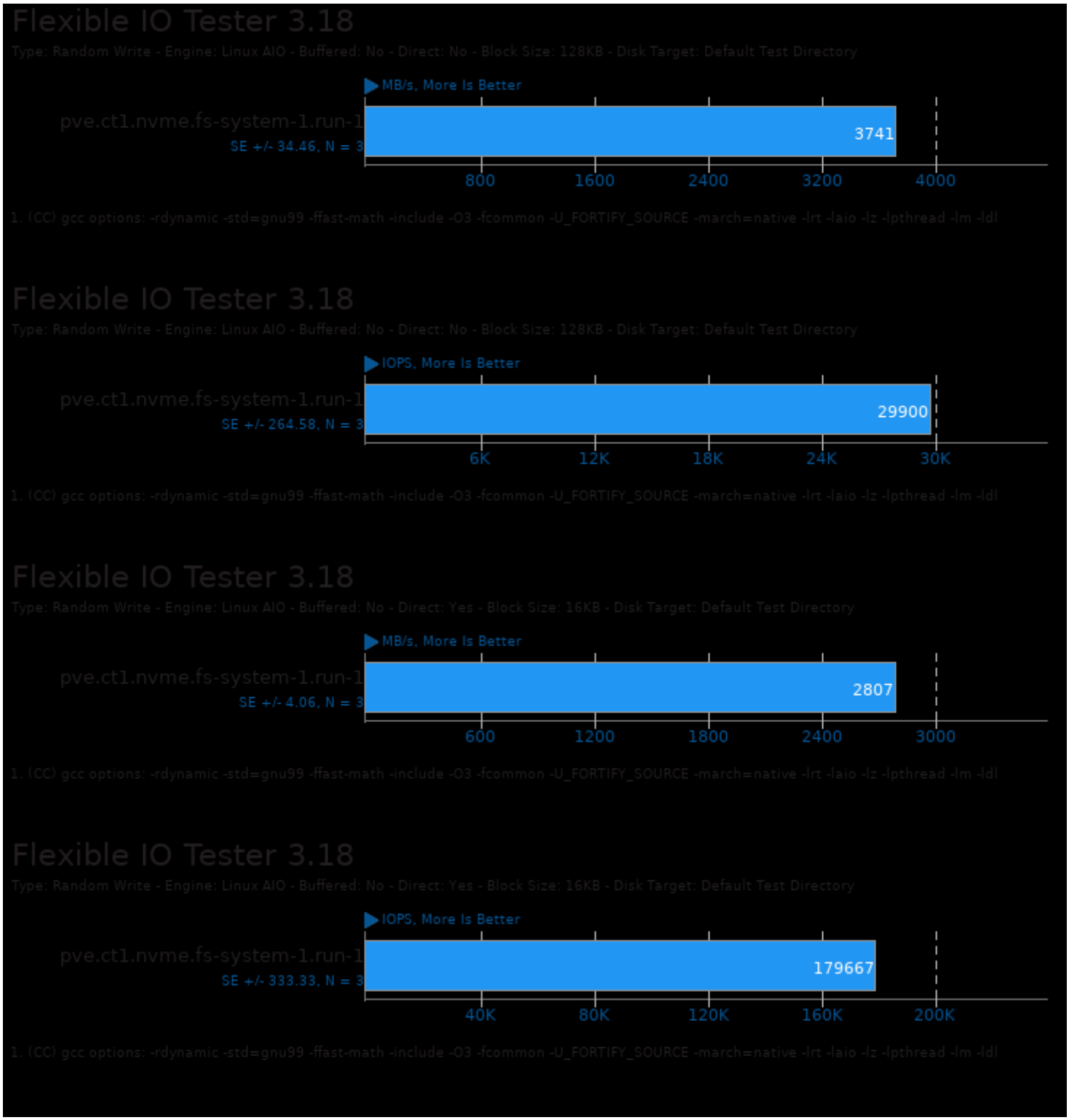


1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

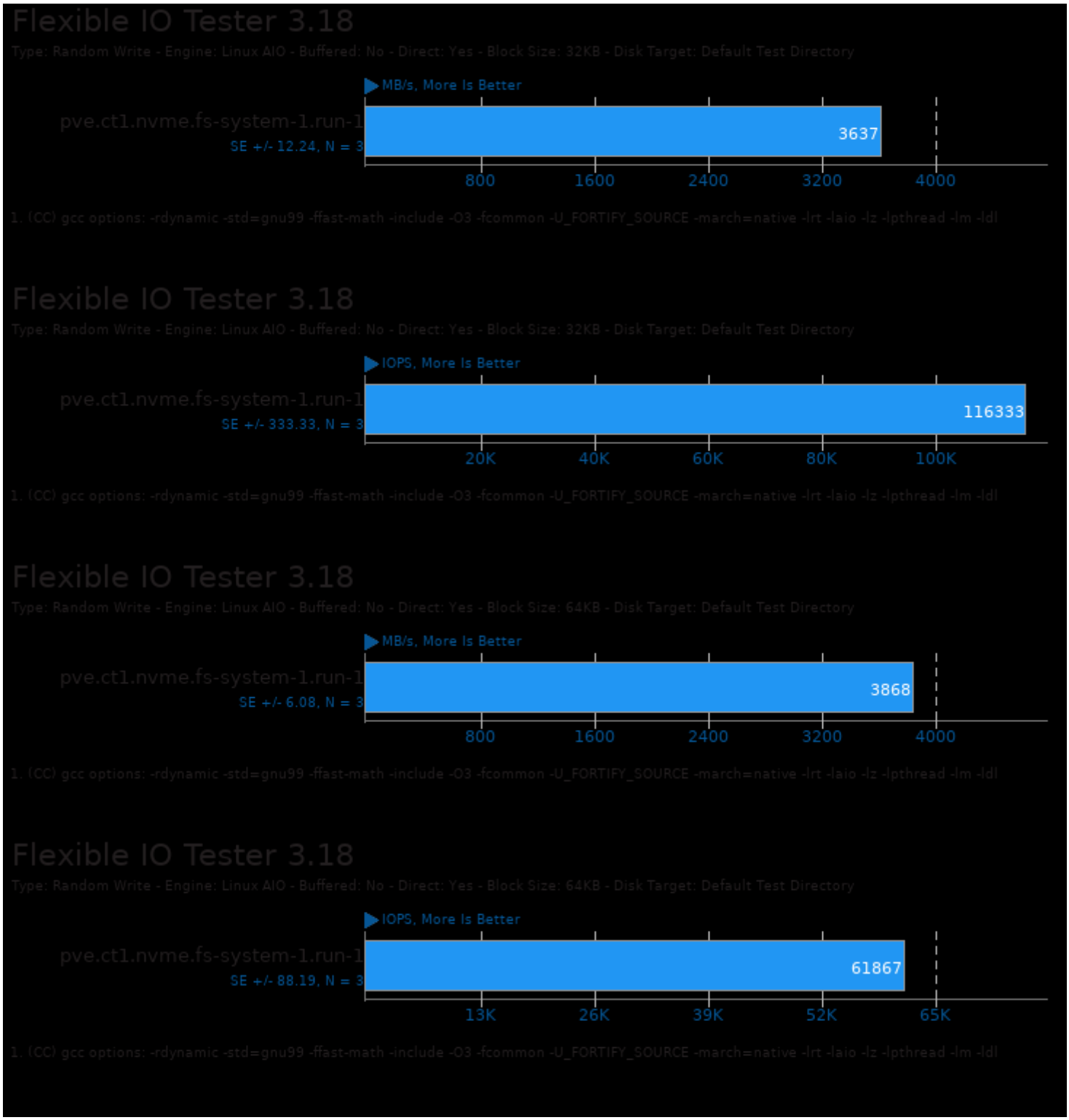
pve.ct1.nvme.fs-system-1.run-1

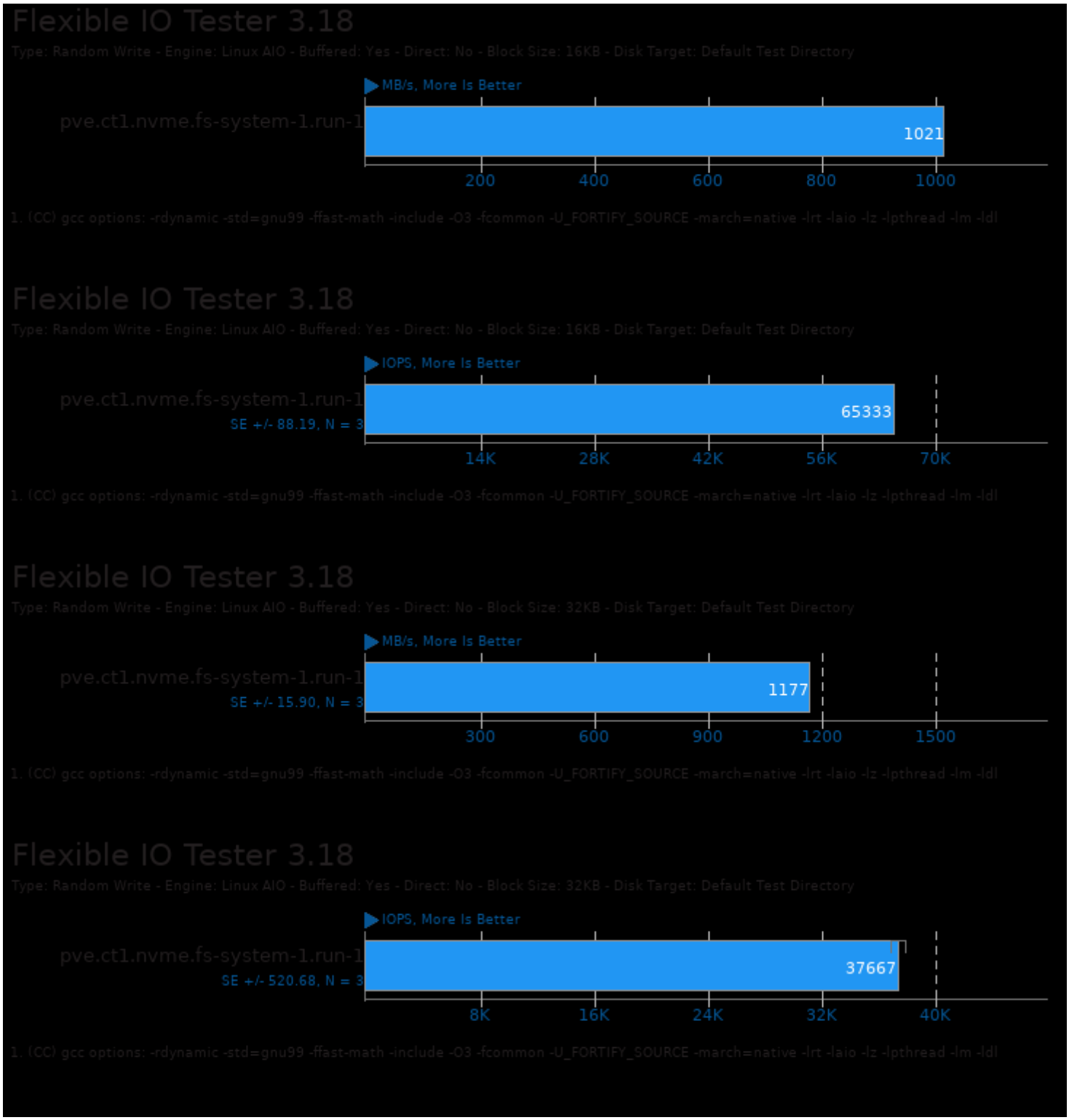


pve.ct1.nvme.fs-system-1.run-1

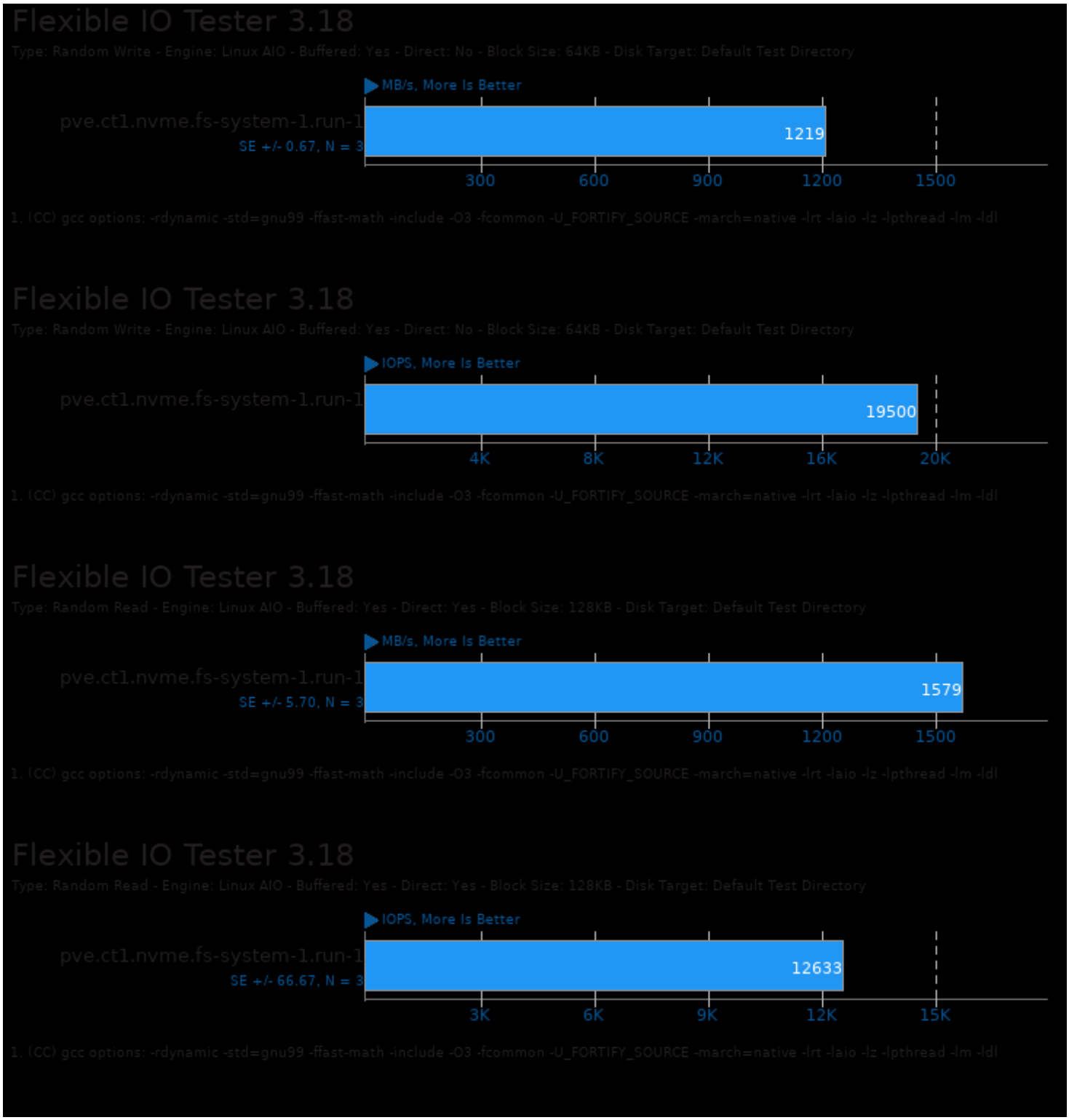


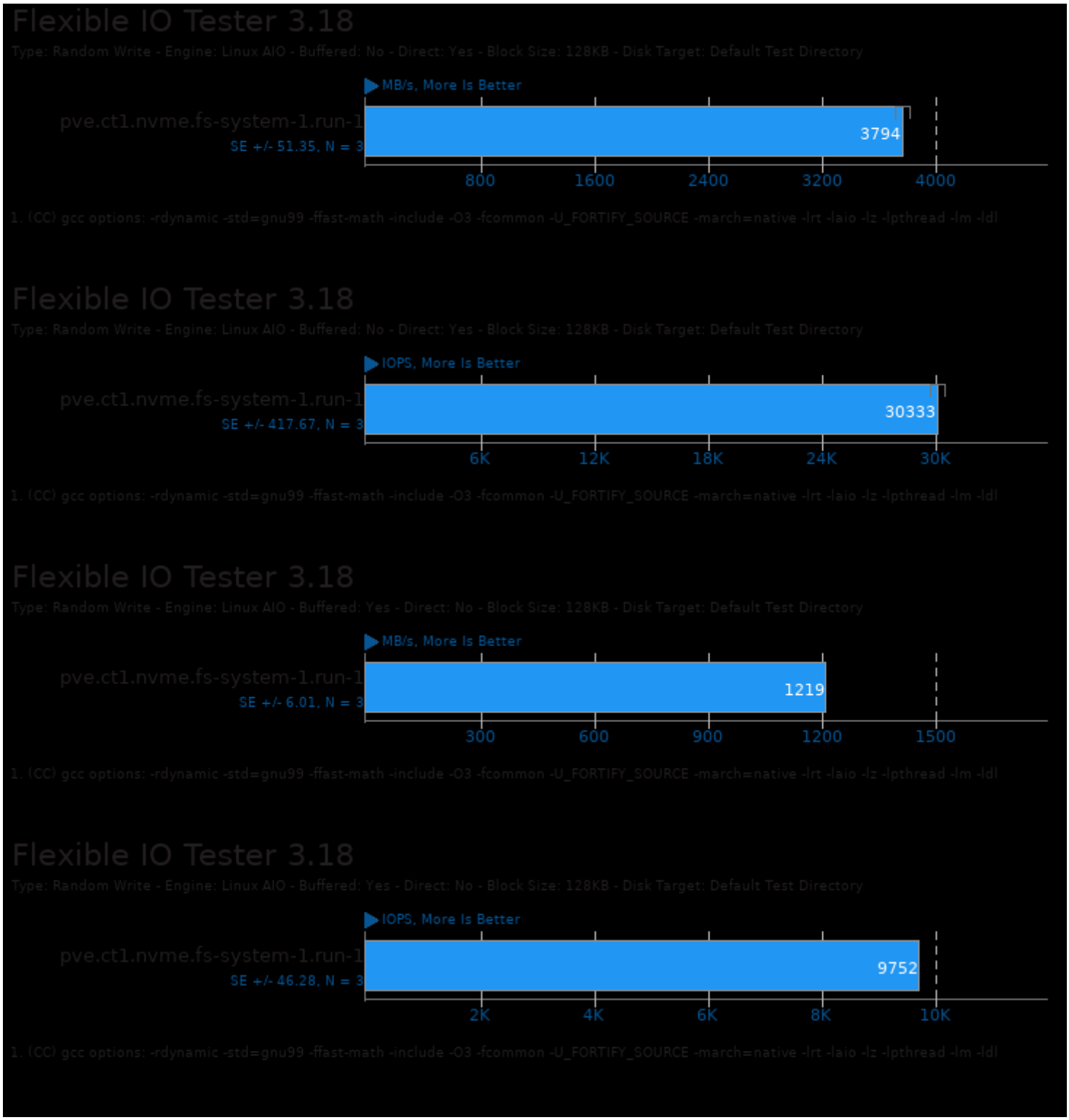
pve.ct1.nvme.fs-system-1.run-1



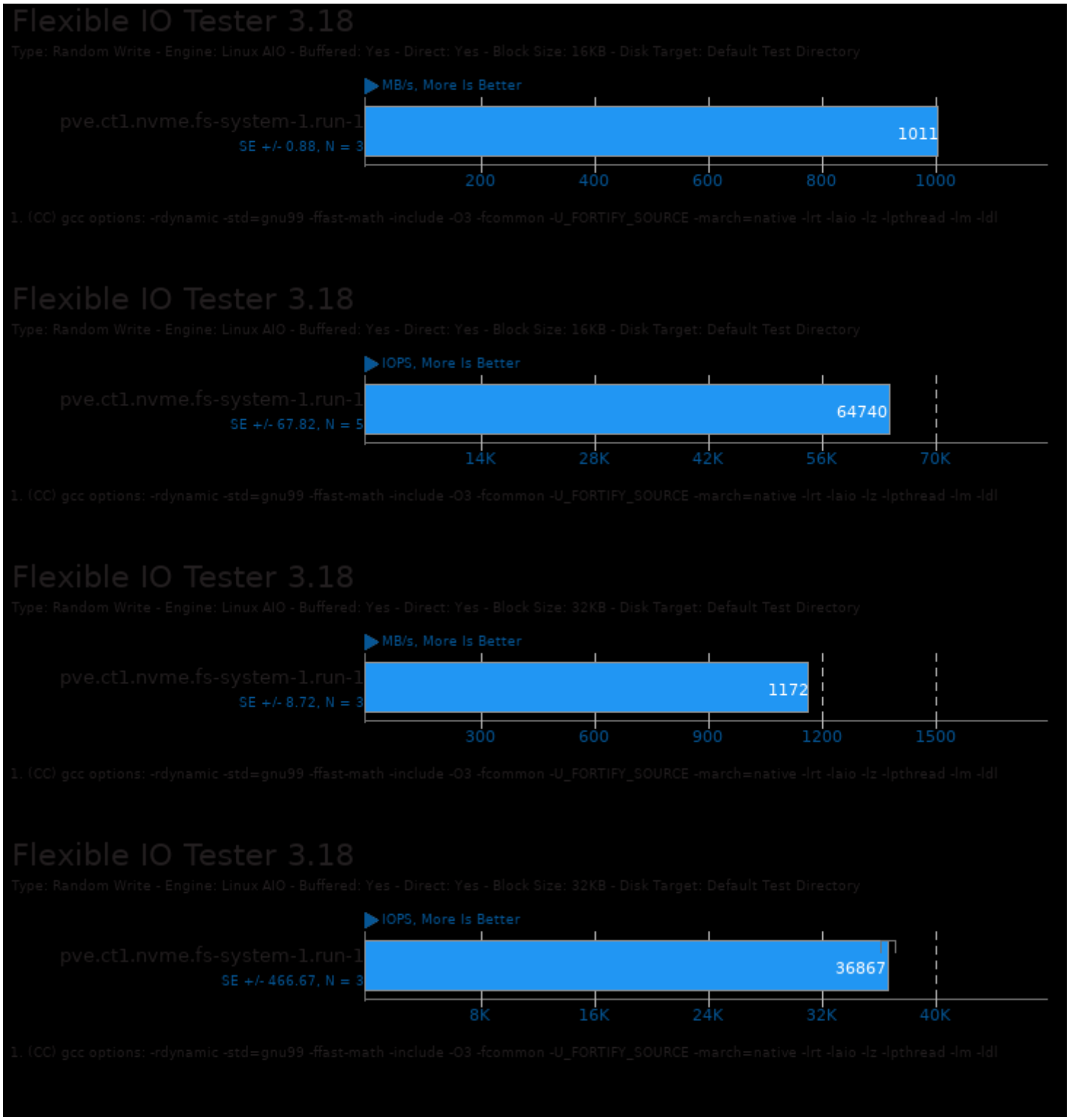

Flexible IO Tester 3.18
Type: Random Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
1021
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 88.19, N = 3
65333
14K
28K
42K
56K
70K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 32KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 15.90, N = 3
1177
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 32KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 520.68, N = 3
37667
8K
16K
24K
32K
40K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

pve.ct1.nvme.fs-system-1.run-1

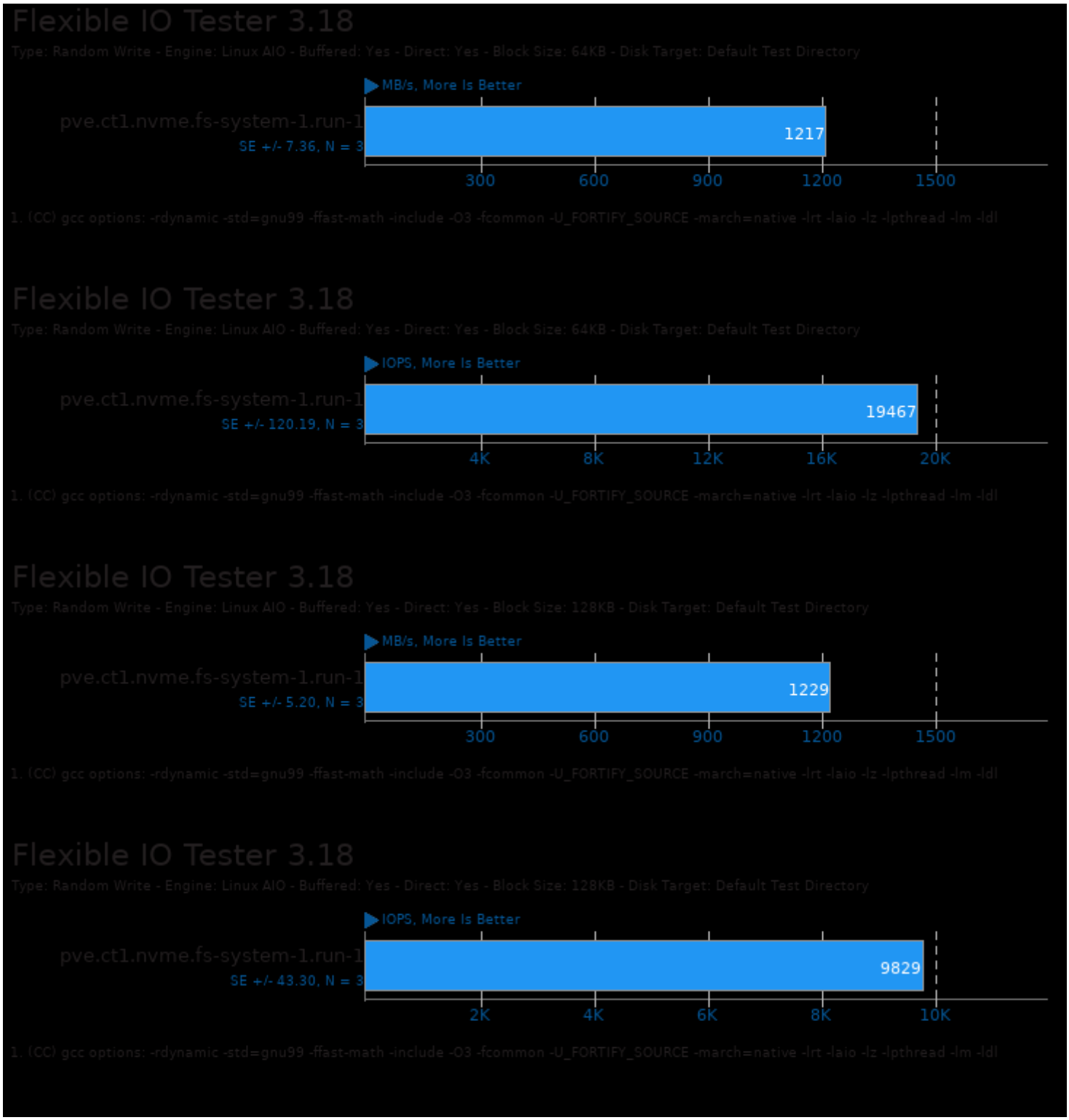



Flexible IO Tester 3.18
Type: Random Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 128KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 51.35, N = 3
3794
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 128KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 417.67, N = 3
30333
6K
12K
18K
24K
30K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 128KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 6.01, N = 3
1219
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 128KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 46.28, N = 3
9752
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

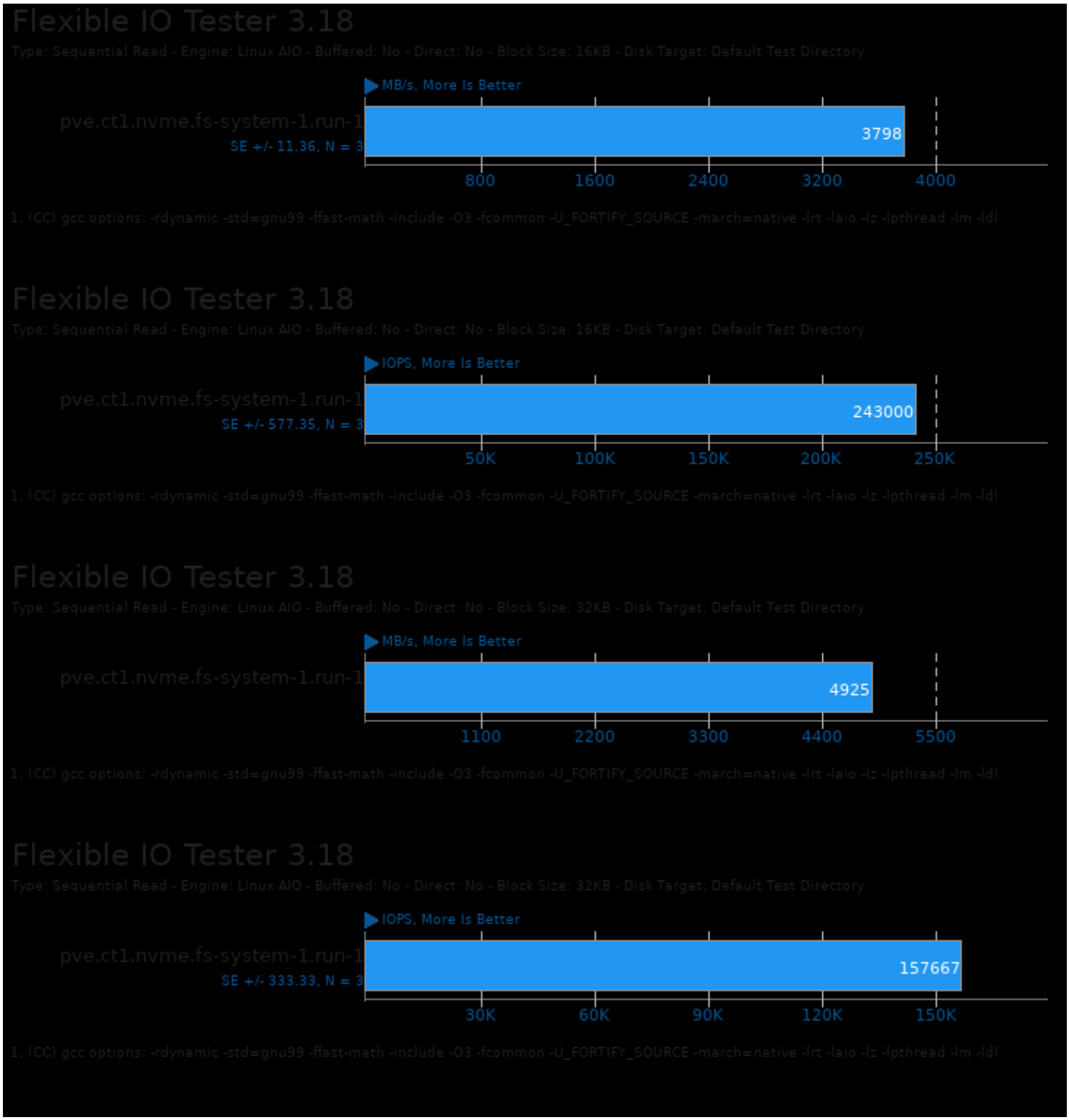
pve.ct1.nvme.fs-system-1.run-1



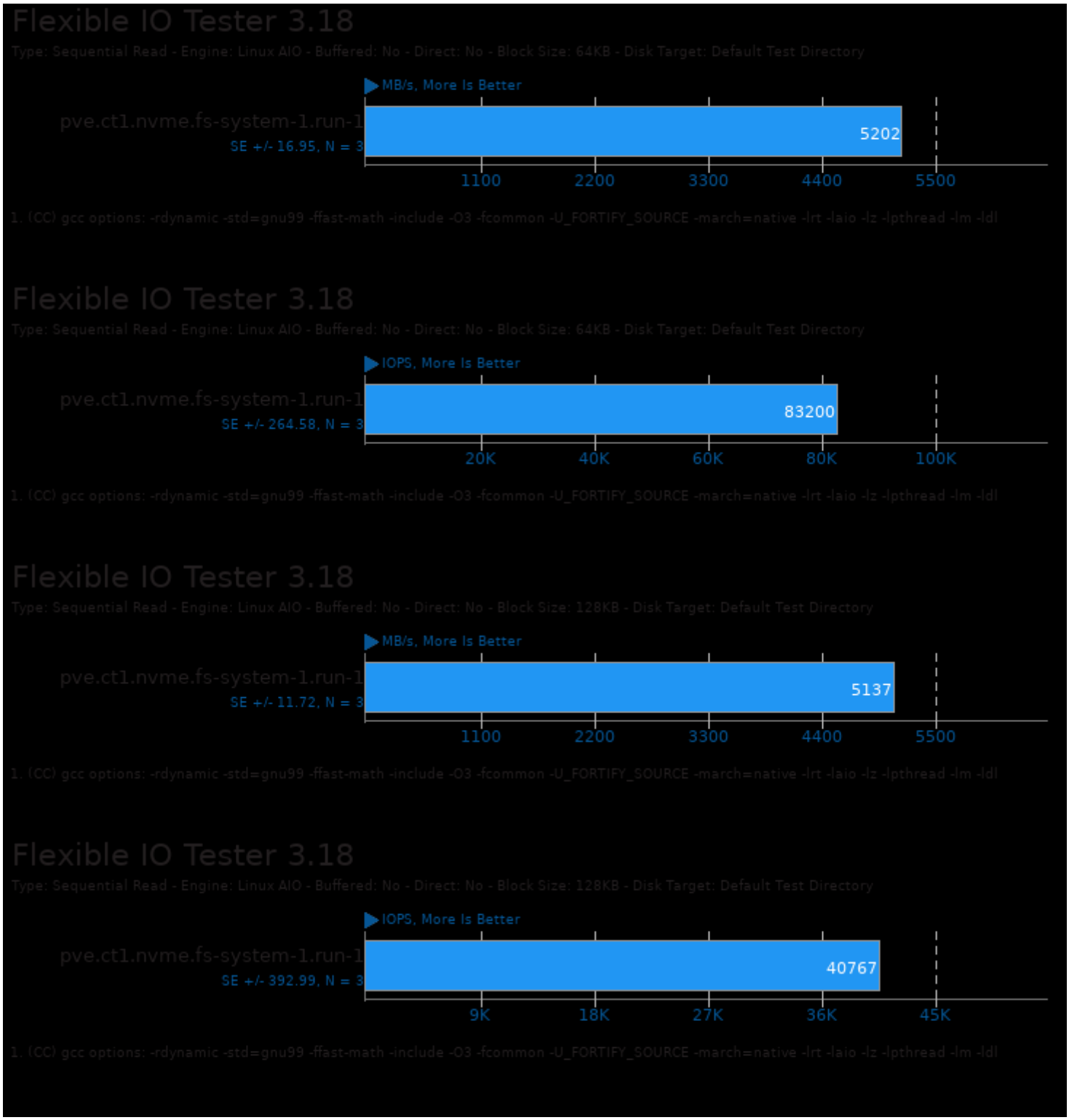
pve.ct1.nvme.fs-system-1.run-1

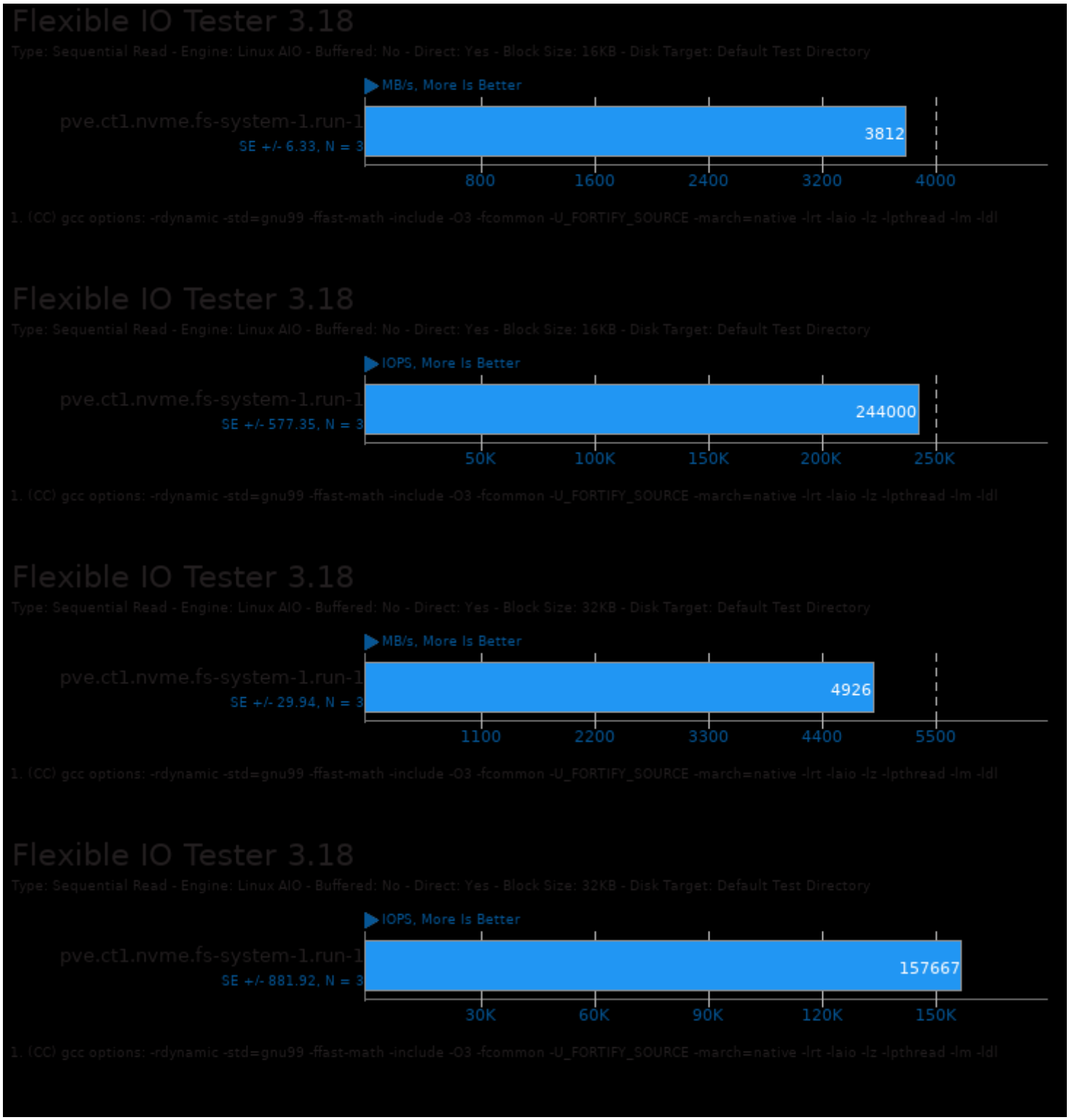


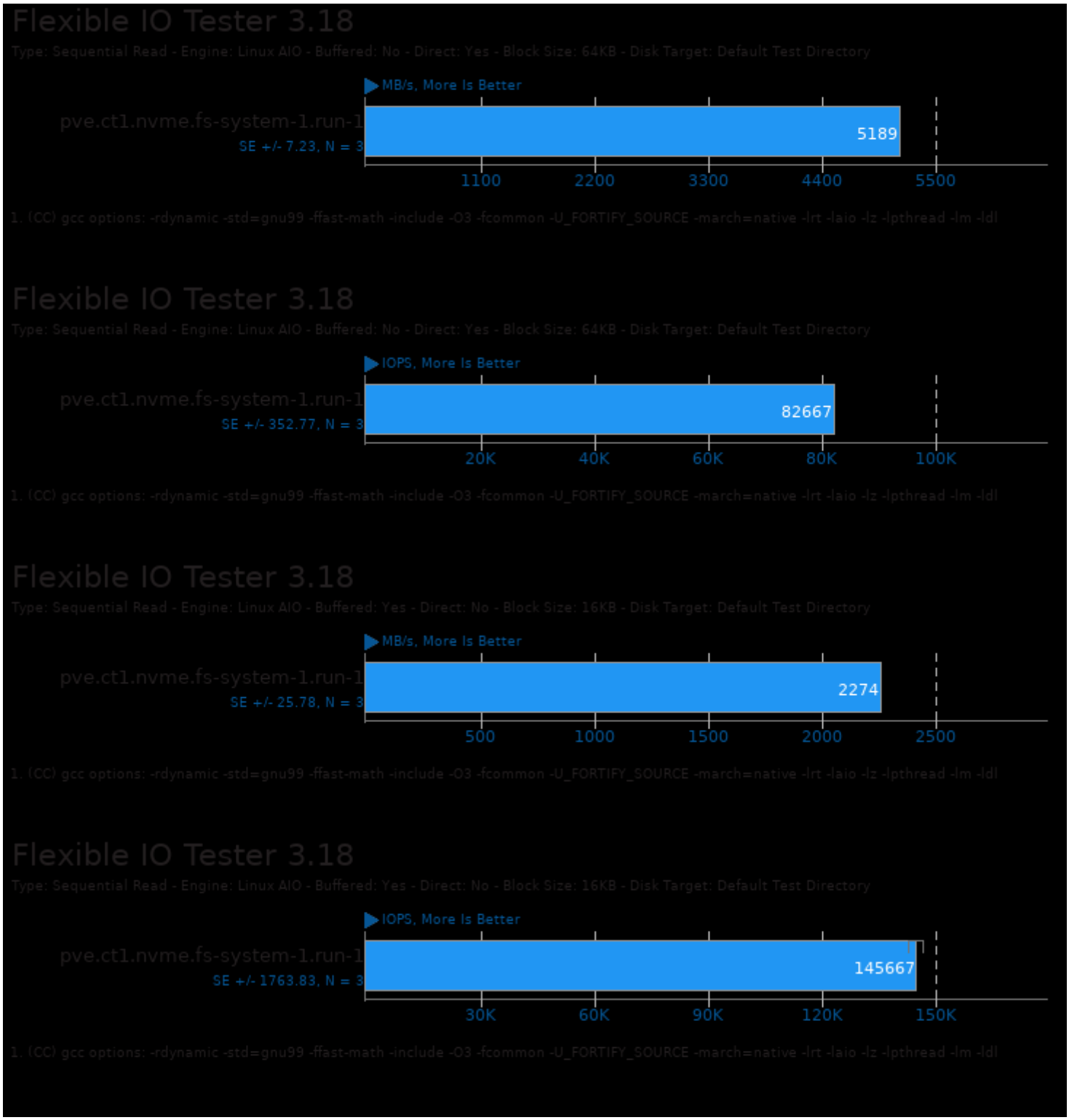
pve.ct1.nvme.fs-system-1.run-1



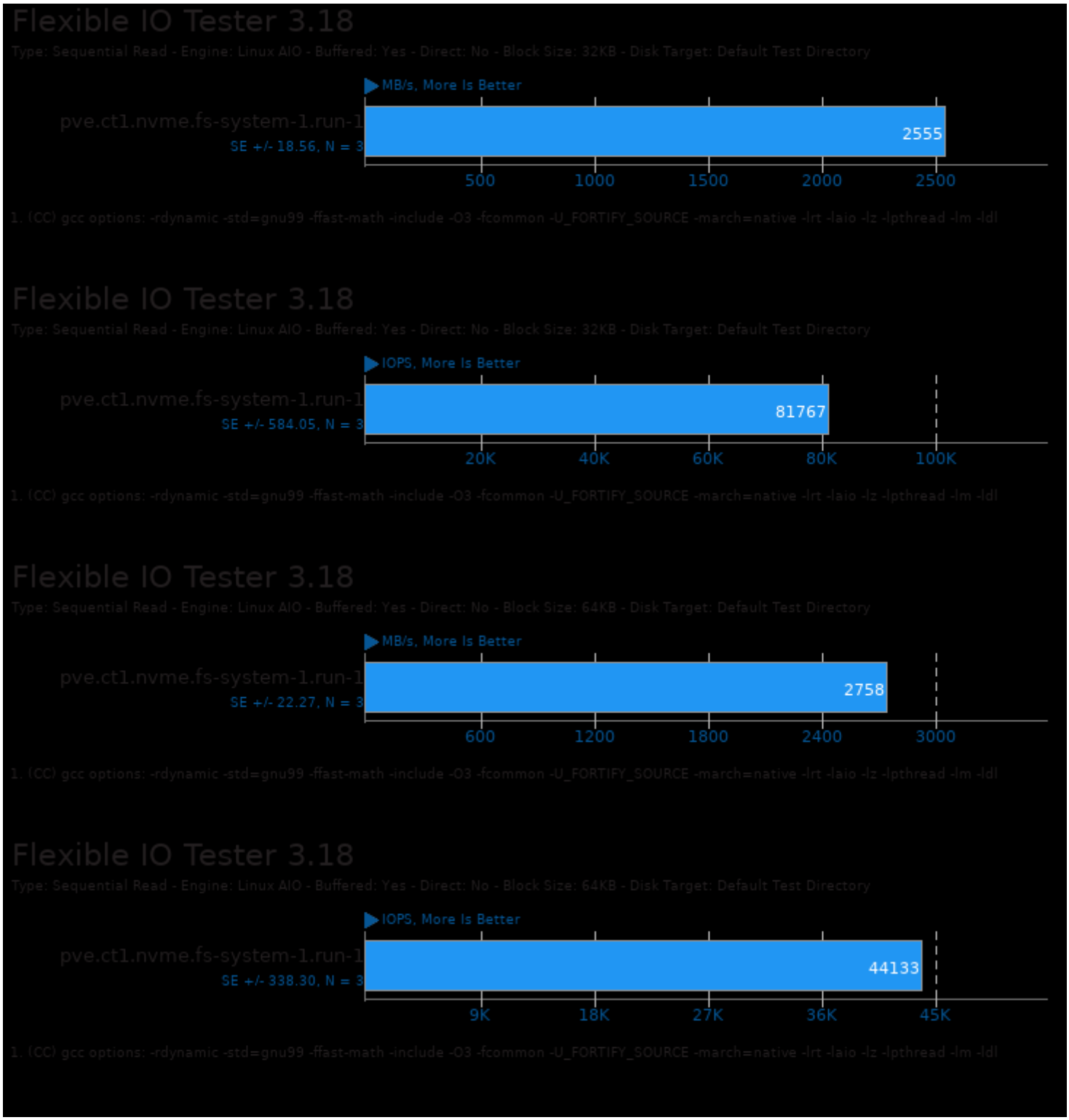
pve.ct1.nvme.fs-system-1.run-1



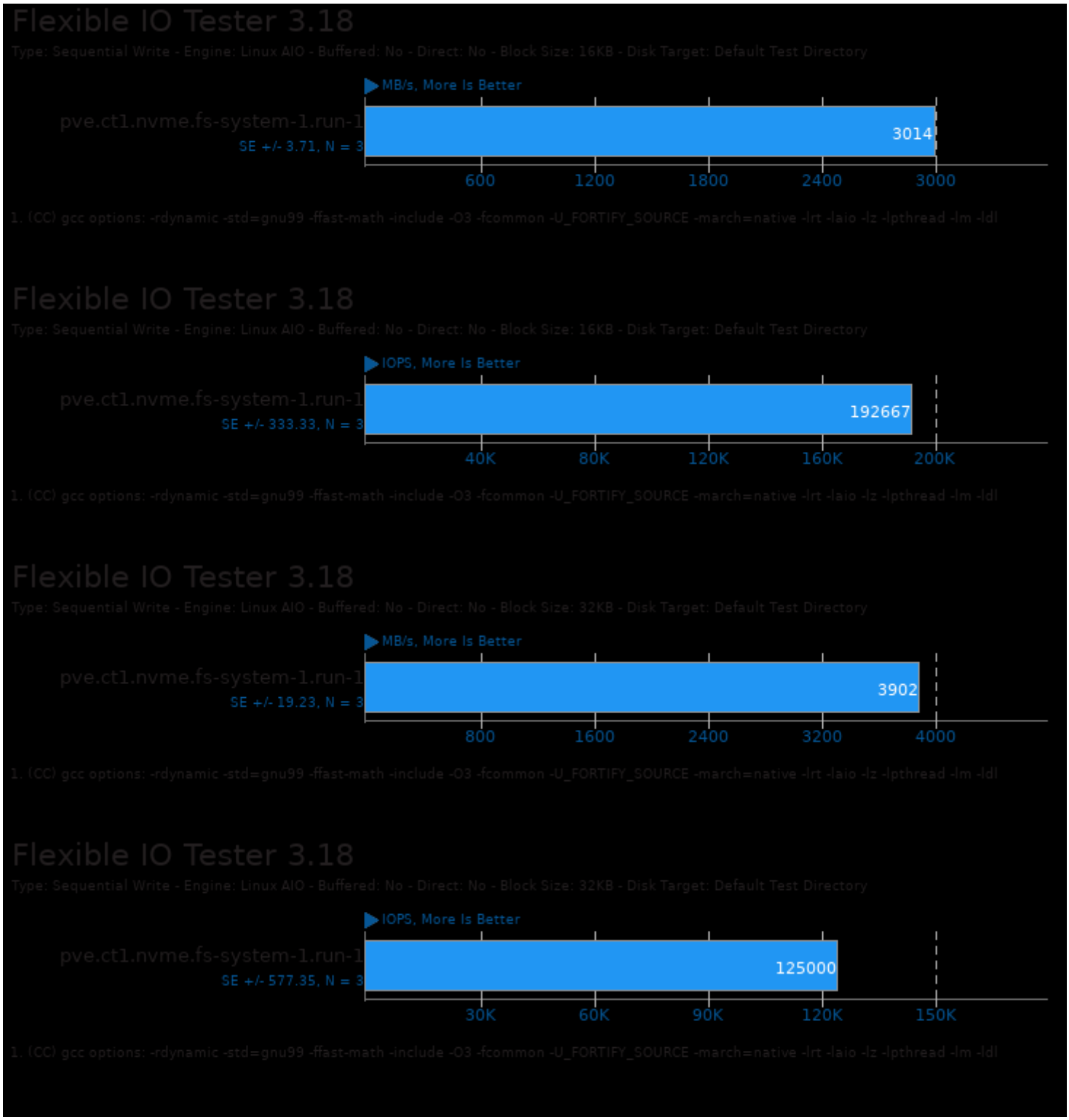

Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 6.33, N = 3
3812
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 577.35, N = 3
244000
50K
100K
150K
200K
250K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 32KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 29.94, N = 3
4926
1100
2200
3300
4400
5500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 32KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 881.92, N = 3
157667
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

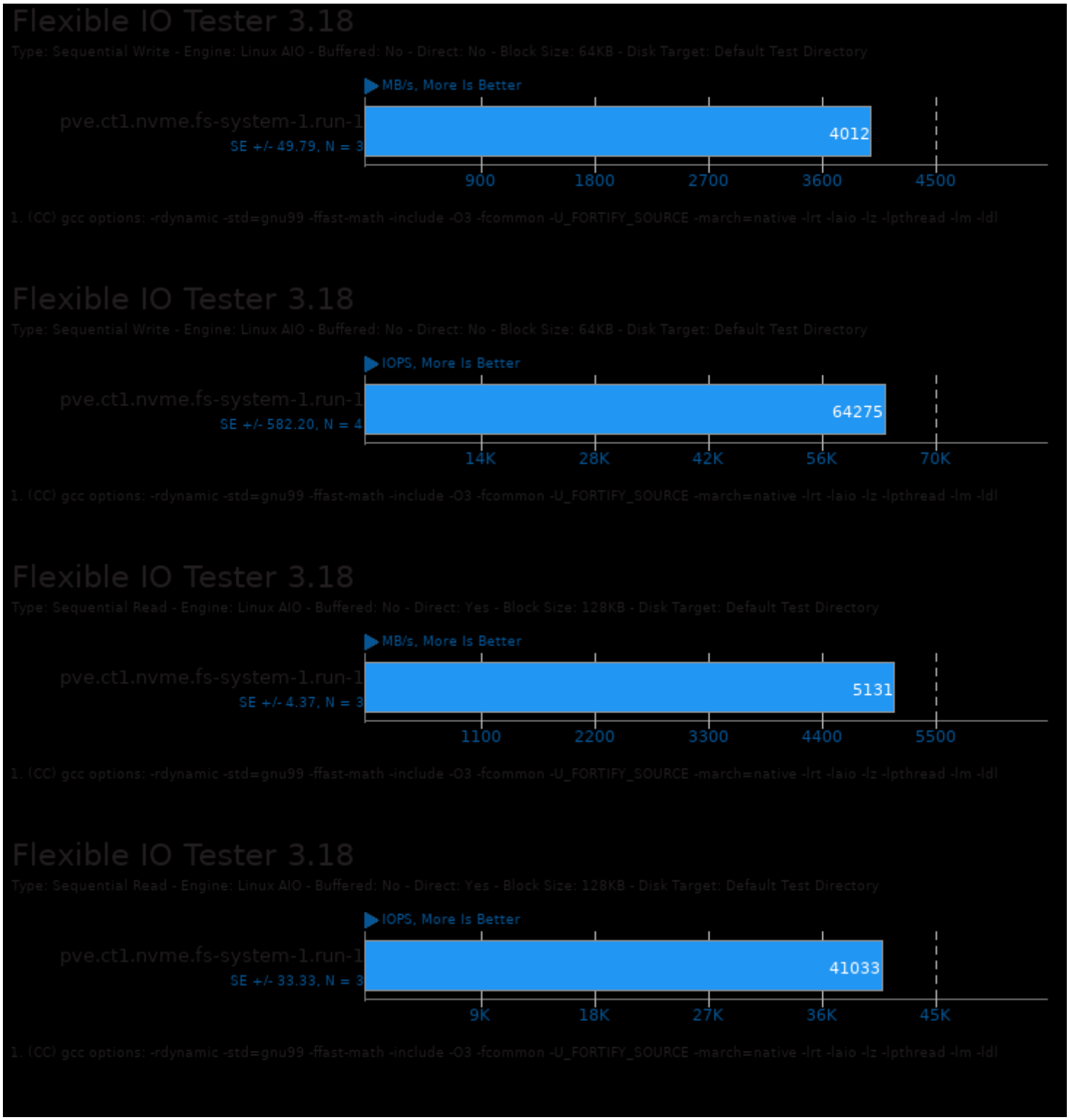

Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 7.23, N = 3
5189
1100
2200
3300
4400
5500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 352.77, N = 3
82667
20K
40K
60K
80K
100K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 25.78, N = 3
2274
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 1763.83, N = 3
145667
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

pve.ct1.nvme.fs-system-1.run-1

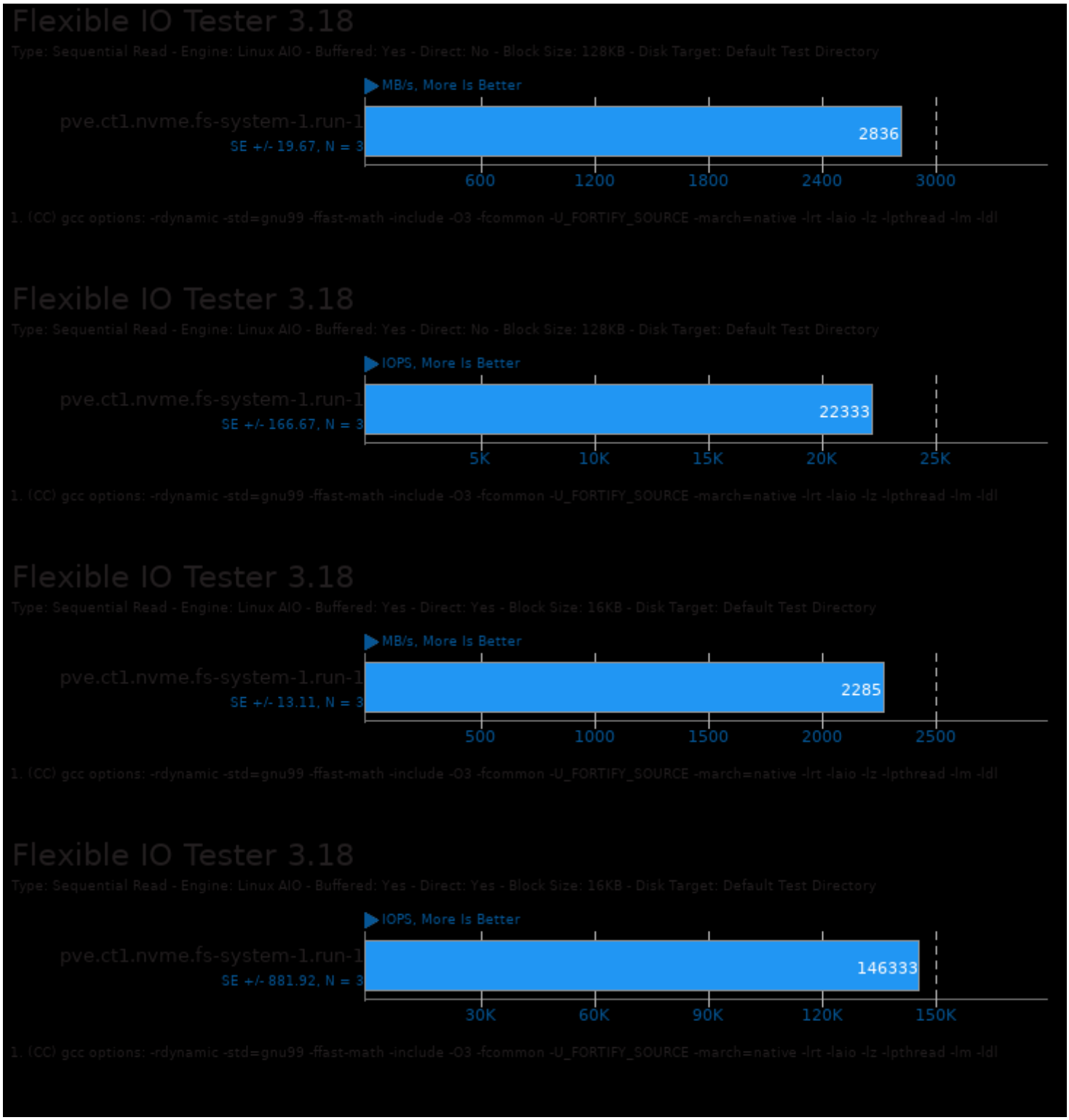


pve.ct1.nvme.fs-system-1.run-1

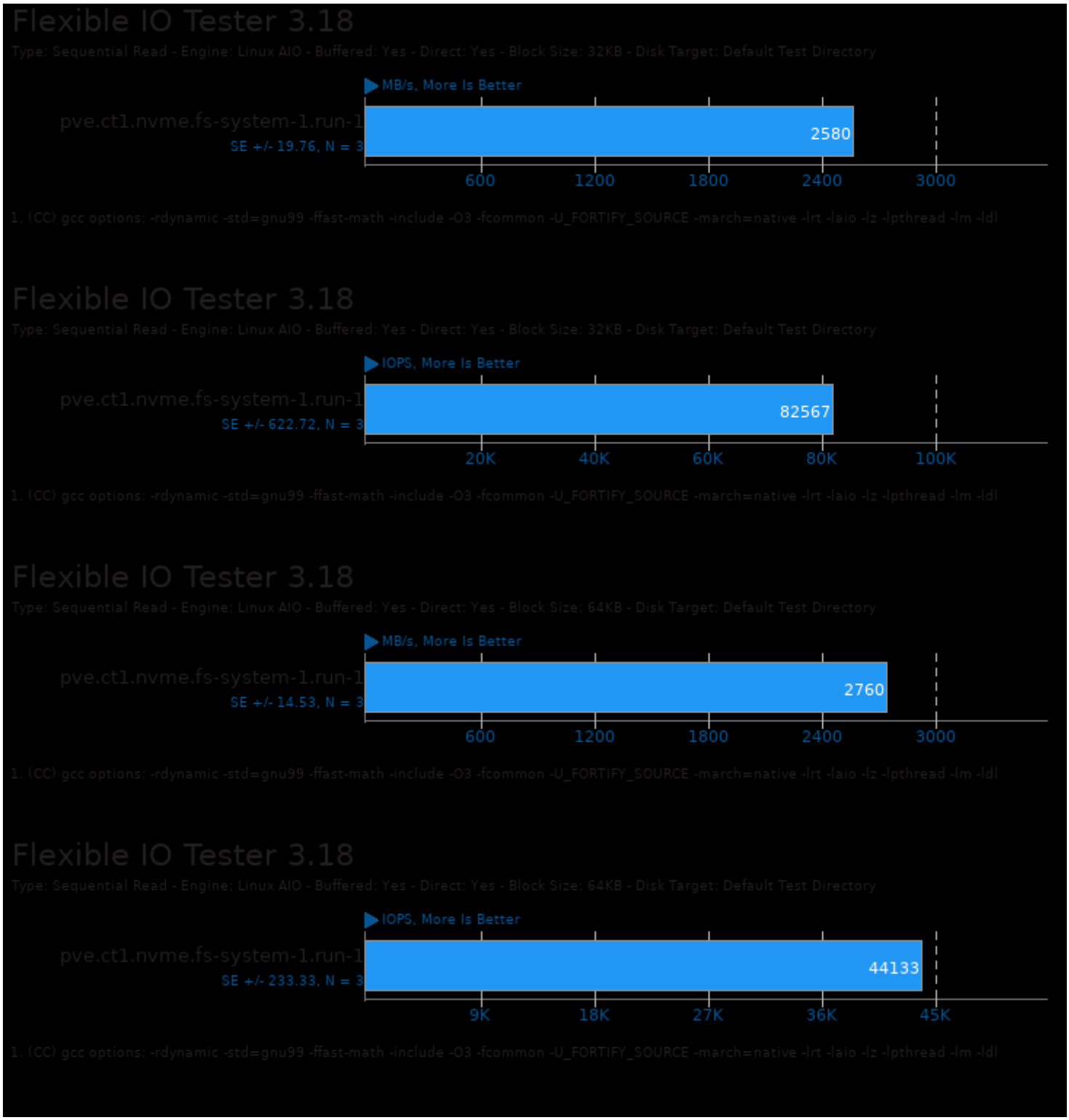


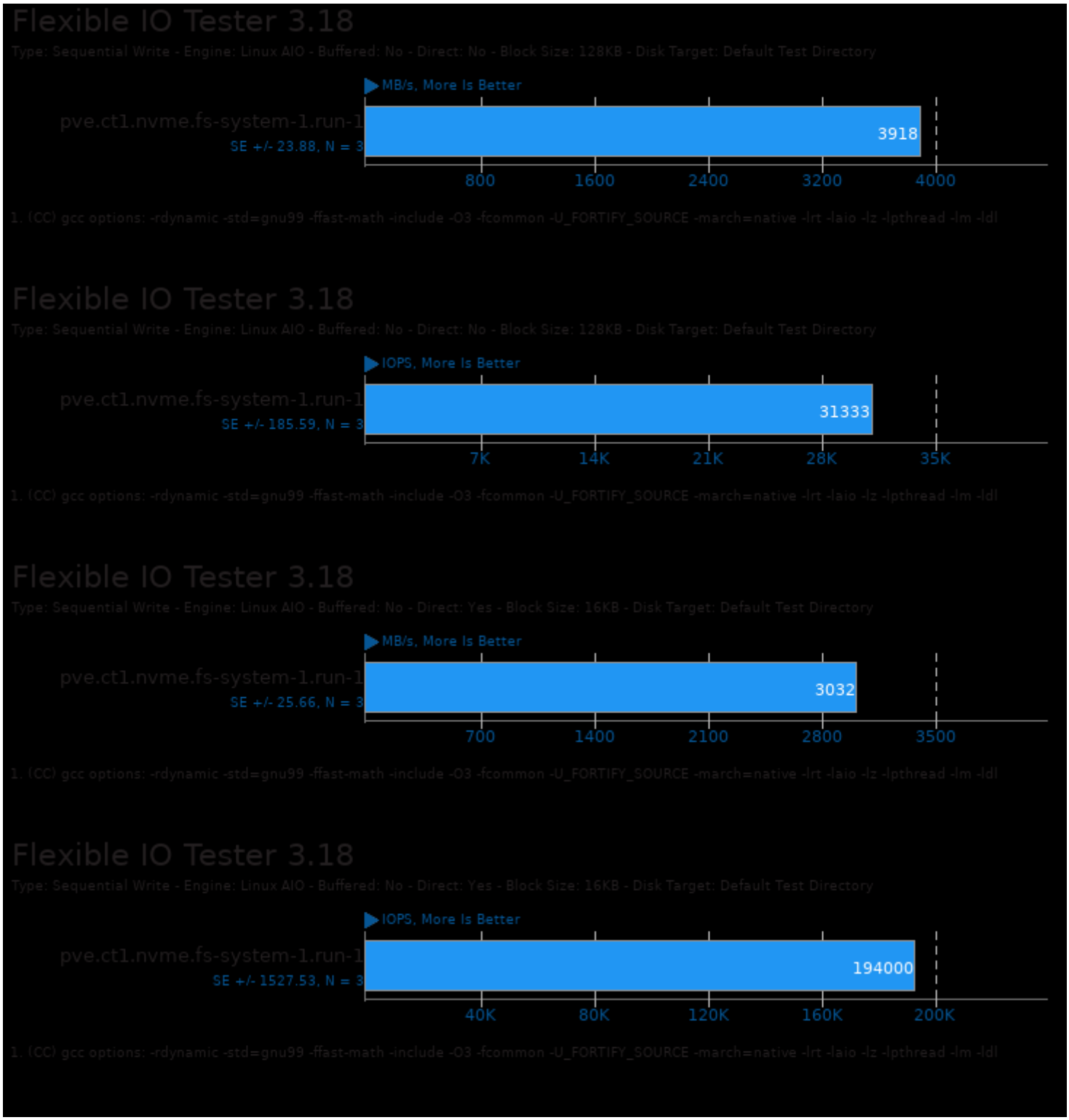

Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 64KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 49.79, N = 3
4012
900
1800
2700
3600
4500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 64KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 582.20, N = 4
64275
14K
28K
42K
56K
70K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 128KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 4.37, N = 3
5131
1100
2200
3300
4400
5500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 128KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 33.33, N = 3
41033
9K
18K
27K
36K
45K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

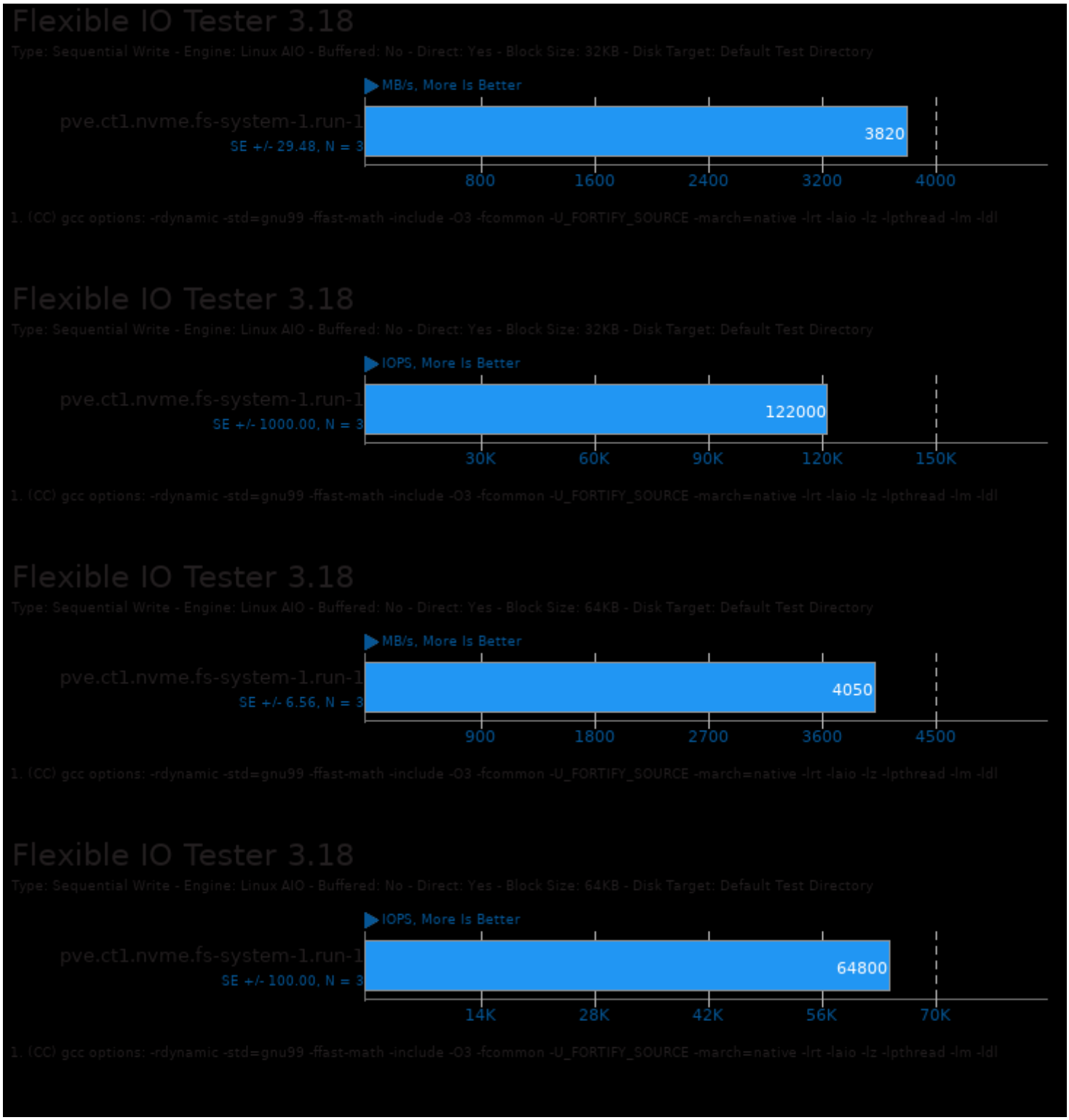
pve.ct1.nvme.fs-system-1.run-1

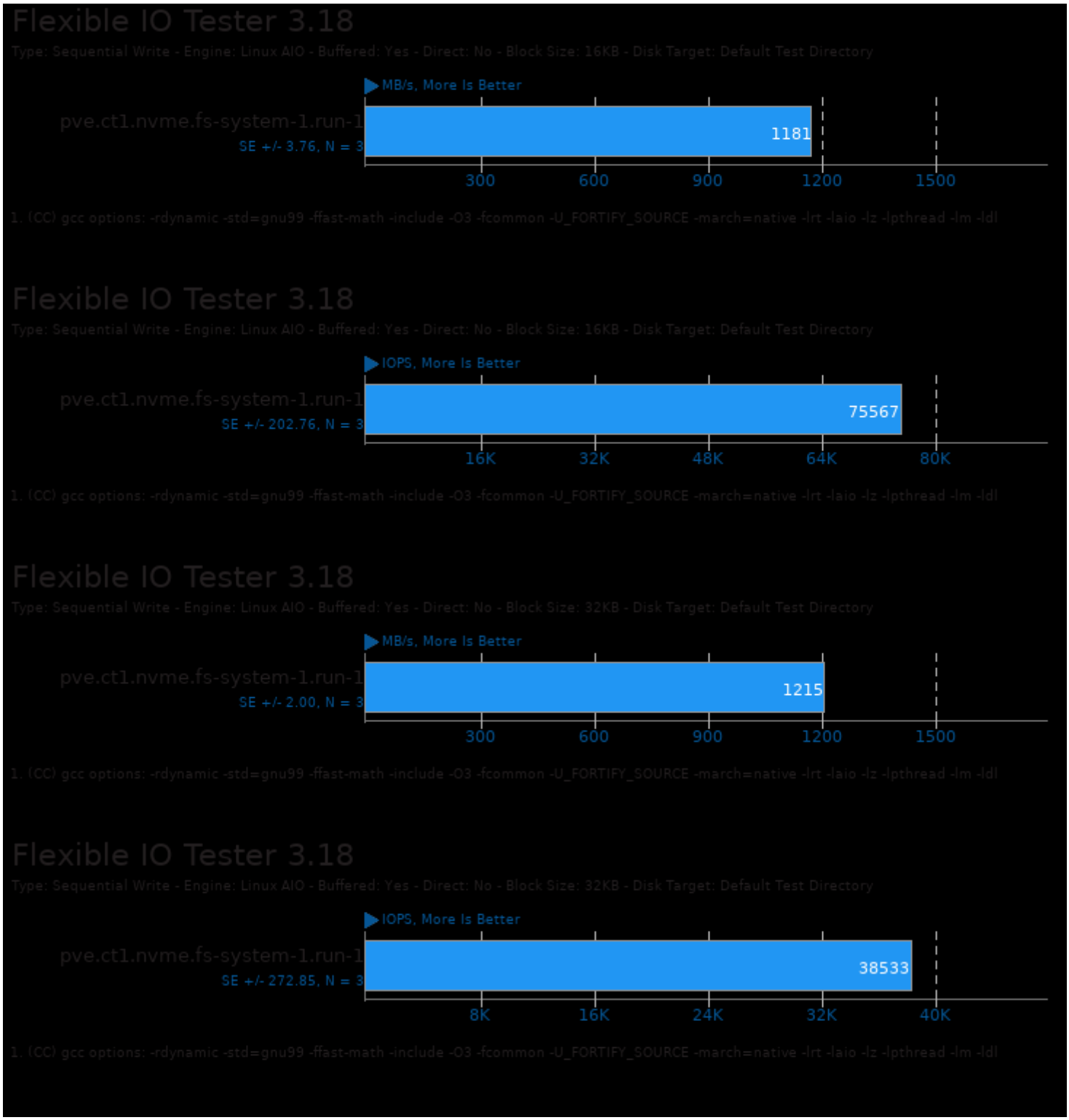


pve.ct1.nvme.fs-system-1.run-1

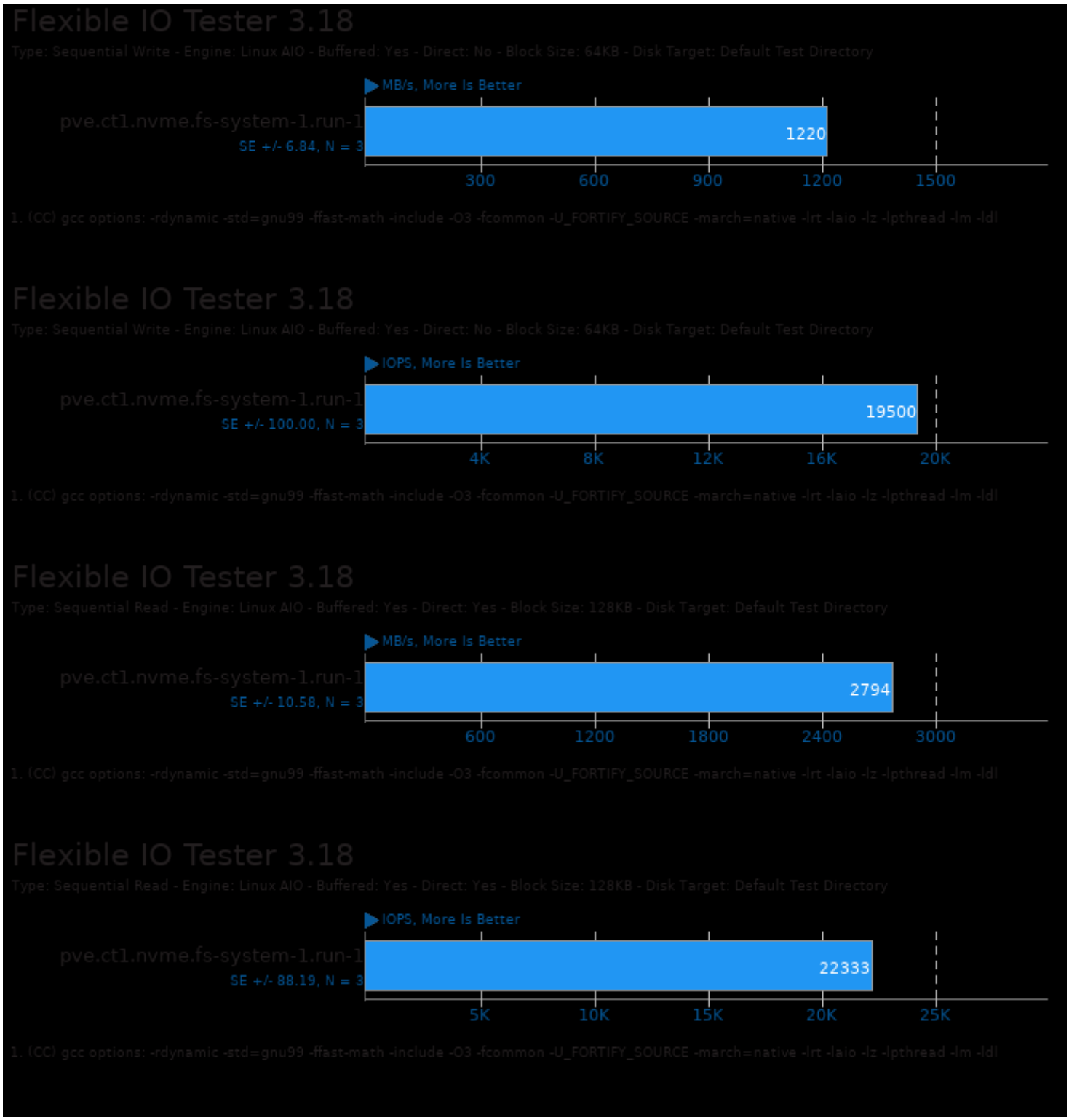



Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 128KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 23.88, N = 3
3918
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 128KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 185.59, N = 3
31333
7K
14K
21K
28K
35K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 25.66, N = 3
3032
700
1400
2100
2800
3500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 1527.53, N = 3
194000
40K
80K
120K
160K
200K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

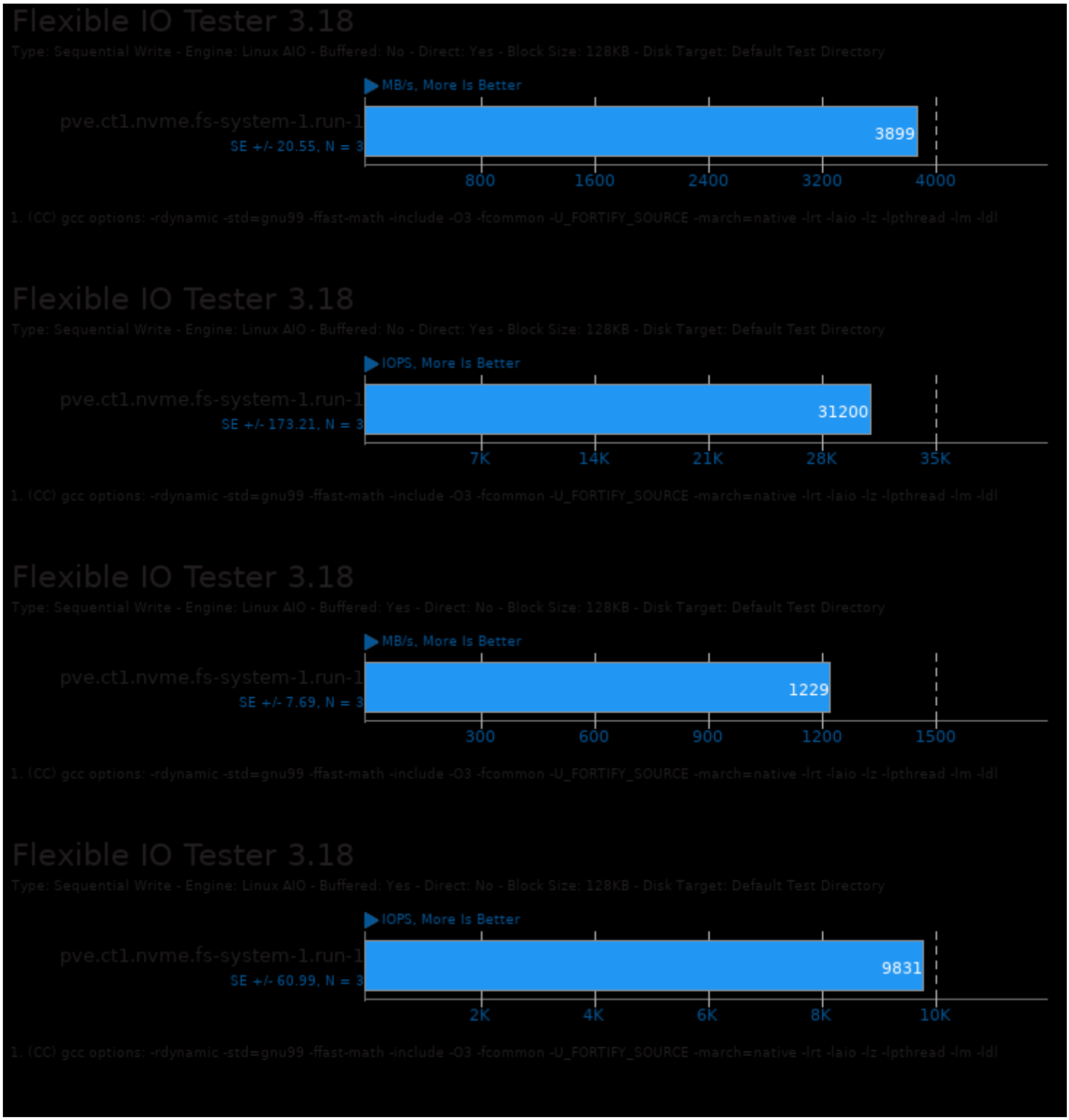

Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 32KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 29.48, N = 3
3820
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 32KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 1000.00, N = 3
122000
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 6.56, N = 3
4050
900
1800
2700
3600
4500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 100.00, N = 3
64800
14K
28K
42K
56K
70K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 3.76, N = 3
1181
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 202.76, N = 3
75567
16K
32K
48K
64K
80K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 32KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 2.00, N = 3
1215
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 32KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 272.85, N = 3
38533
8K
16K
24K
32K
40K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

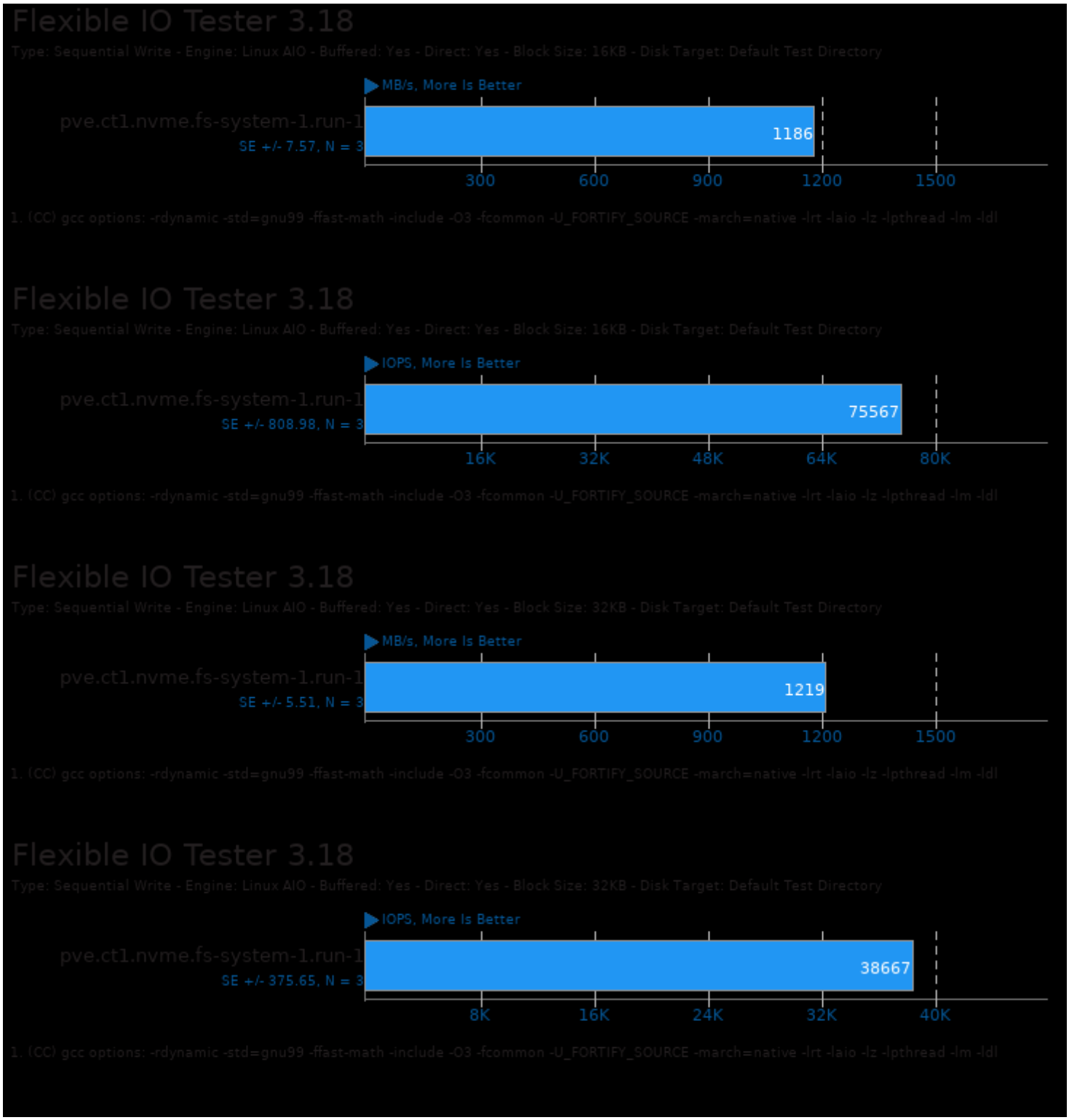
pve.ct1.nvme.fs-system-1.run-1

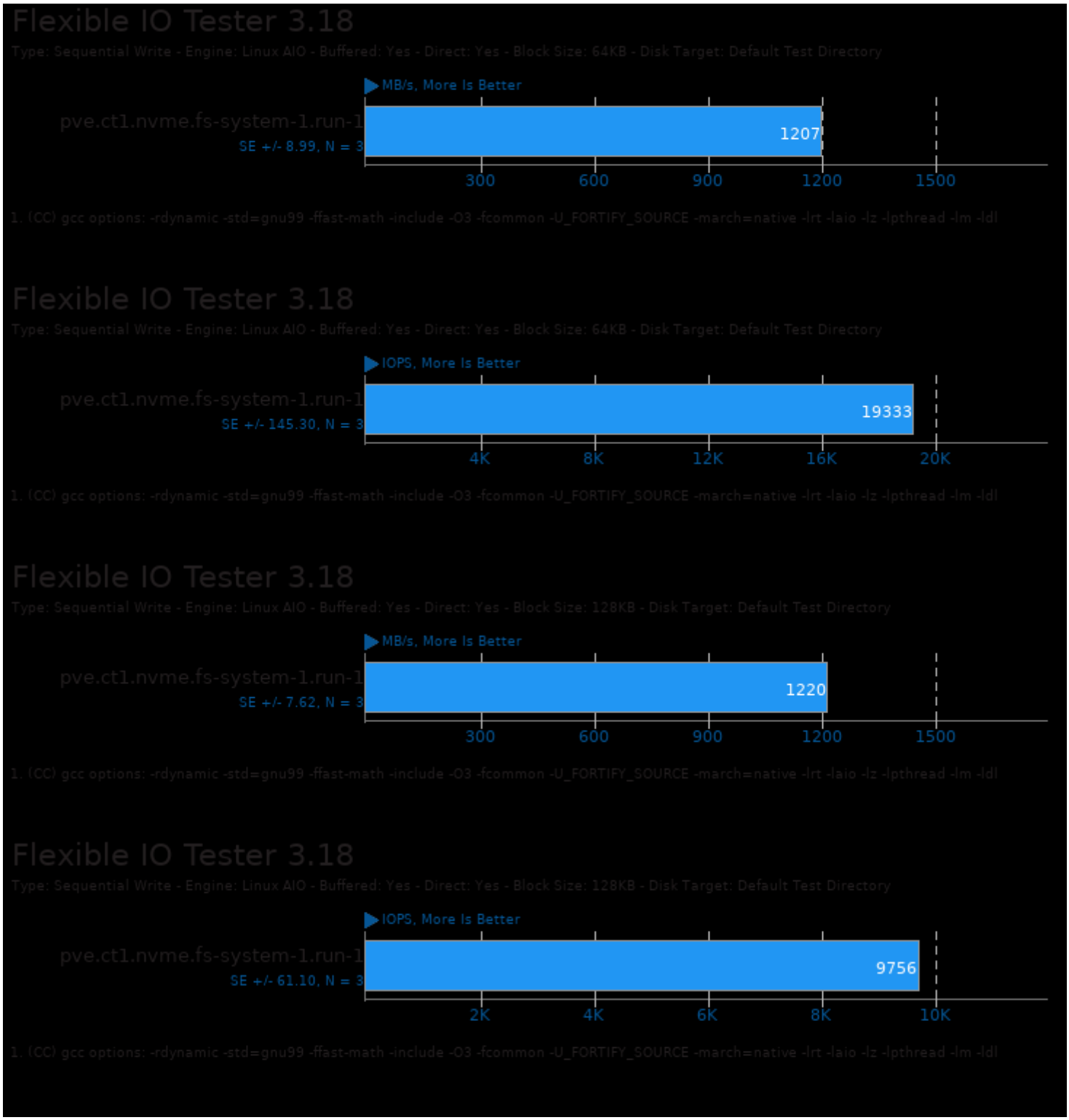


pve.ct1.nvme.fs-system-1.run-1



pve.ct1.nvme.fs-system-1.run-1

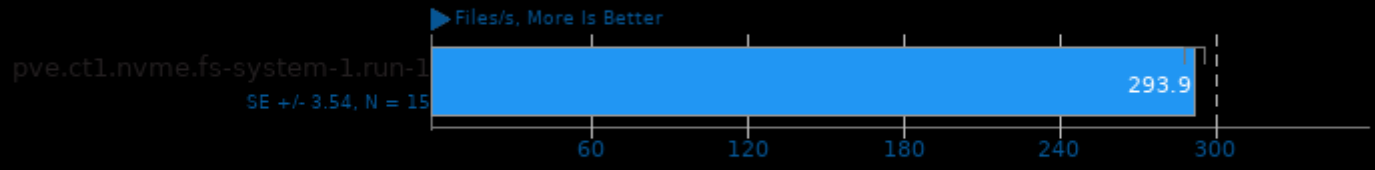



Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 8.99, N = 3
1207
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 145.30, N = 3
19333
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 128KB - Disk Target: Default Test Directory
MB/s, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 7.62, N = 3
1220
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 128KB - Disk Target: Default Test Directory
IOPS, More Is Better
pve.ct1.nvme.fs-system-1.run-1
SE +/- 61.10, N = 3
9756
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

pve.ct1.nvme.fs-system-1.run-1

FS-Mark 3.3

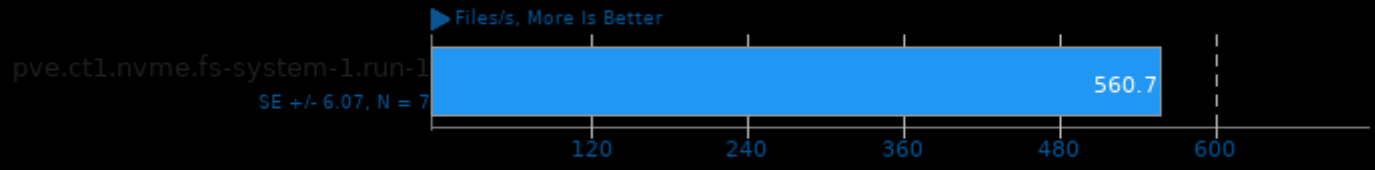
Test: 1000 Files, 1MB Size



1. (CC) gcc options: -static

FS-Mark 3.3

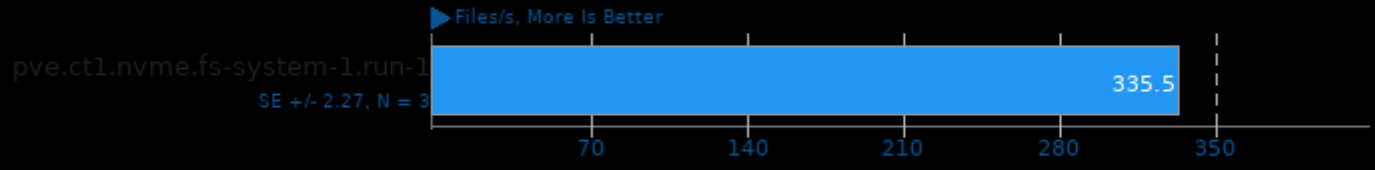
Test: 5000 Files, 1MB Size, 4 Threads



1. (CC) gcc options: -static

FS-Mark 3.3

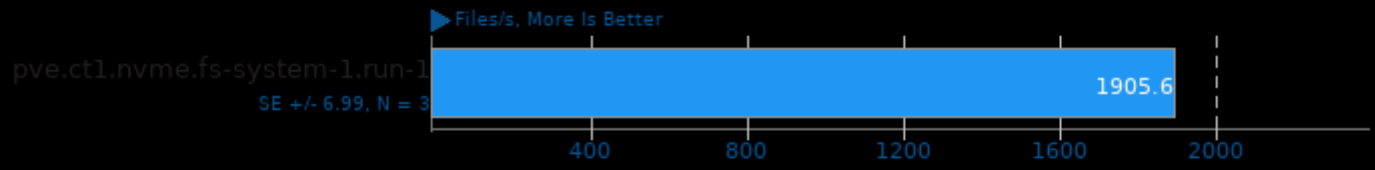
Test: 4000 Files, 32 Sub Dirs, 1MB Size



1. (CC) gcc options: -static

FS-Mark 3.3

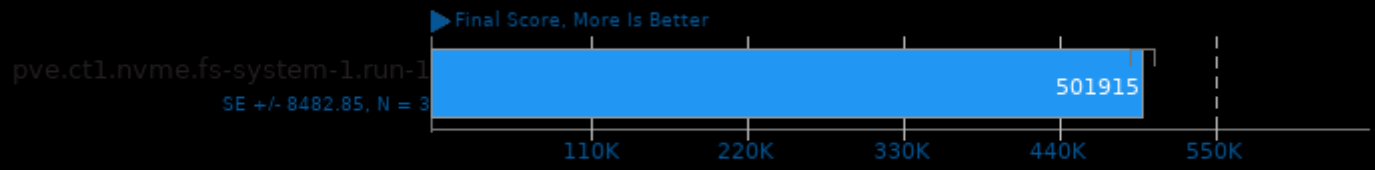
Test: 1000 Files, 1MB Size, No Sync/FSync



1. (CC) gcc options: -static

BlogBench 1.1

Test: Read

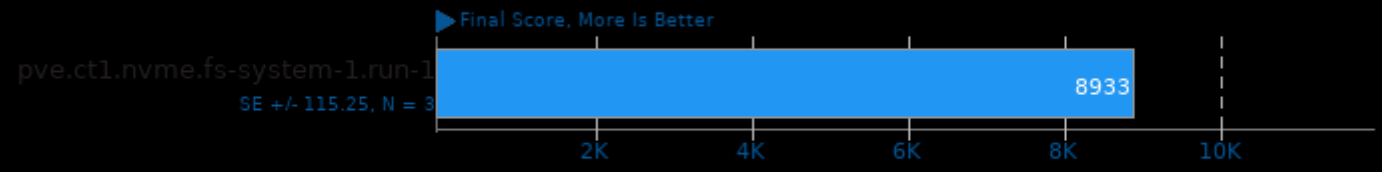


1. (CC) gcc options: -O2 -pthread

pve.ct1.nvme.fs-system-1.run-1

BlogBench 1.1

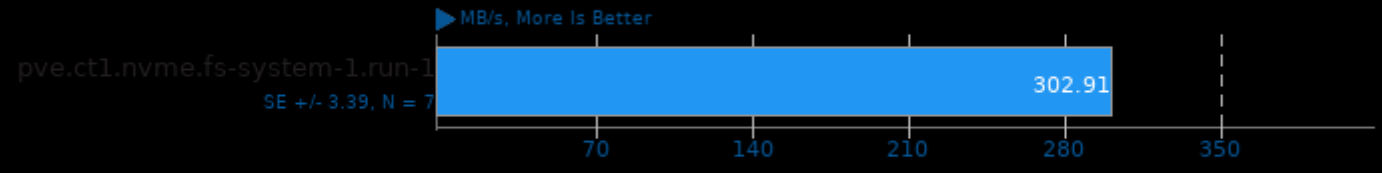
Test: Write



1. (CC) gcc options: -O2 -pthread

Dbench 4.0

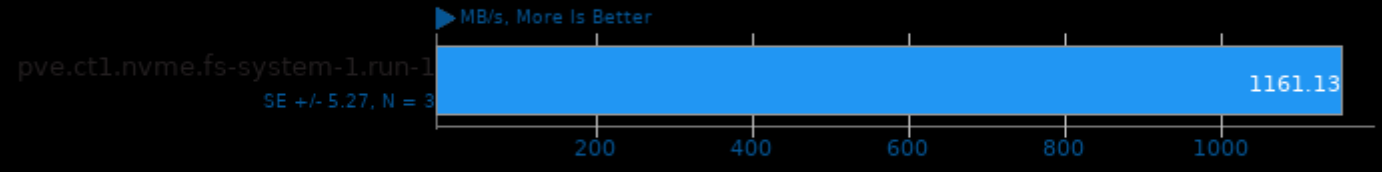
Client Count: 1



1. (CC) gcc options: -lpopt -O2

Dbench 4.0

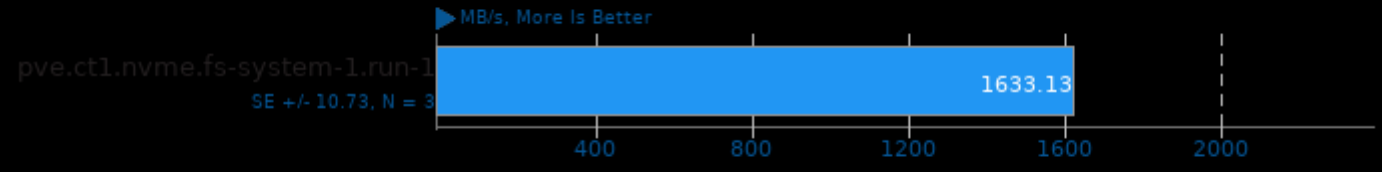
Client Count: 6



1. (CC) gcc options: -lpopt -O2

Dbench 4.0

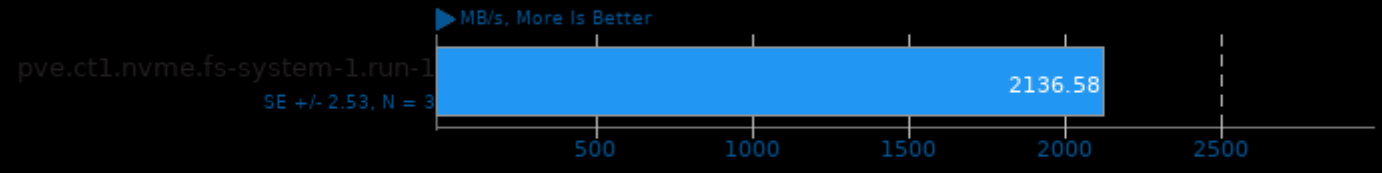
Client Count: 12



1. (CC) gcc options: -lpopt -O2

Dbench 4.0

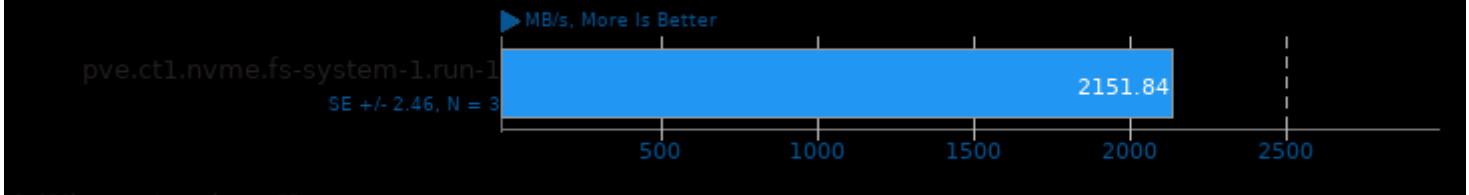
Client Count: 48



1. (CC) gcc options: -lpopt -O2

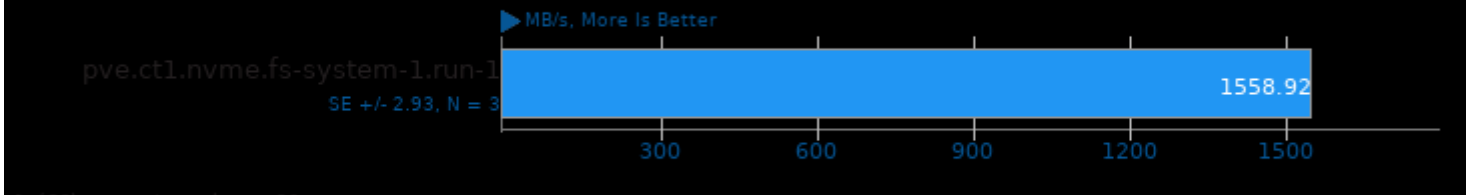
pve.ct1.nvme.fs-system-1.run-1

Dbench 4.0
Client Count: 128



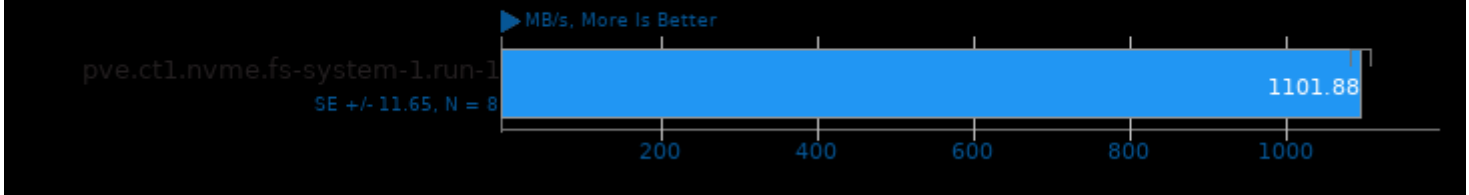
1. (CC) gcc options: -lpopt -O2

Dbench 4.0
Client Count: 256

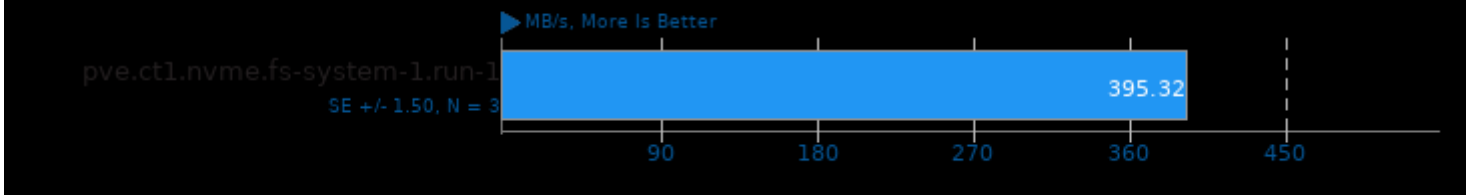


1. (CC) gcc options: -lpopt -O2

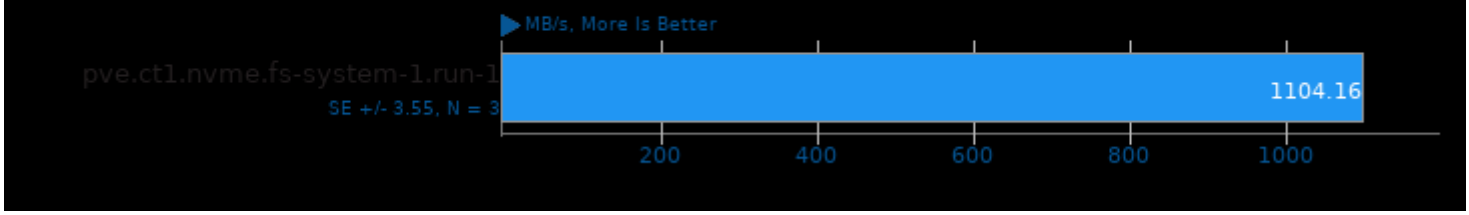
Compile Bench 0.6
Test: Compile



Compile Bench 0.6
Test: Initial Create



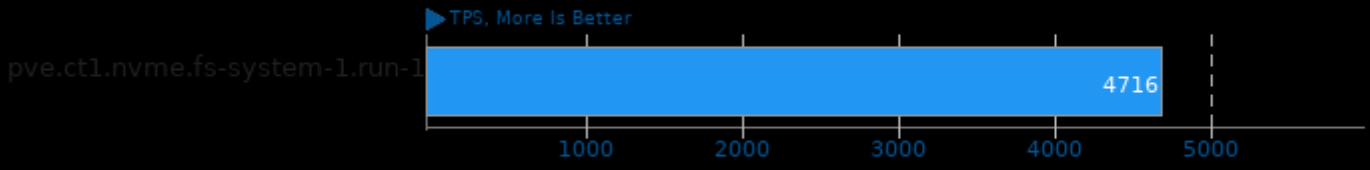
Compile Bench 0.6
Test: Read Compiled Tree



pve.ct1.nvme.fs-system-1.run-1

PostMark 1.51

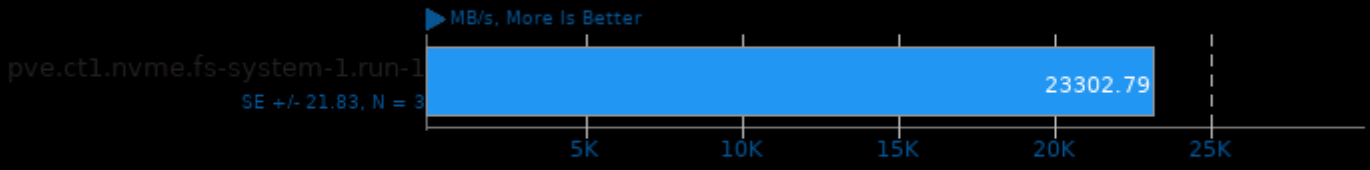
Disk Transaction Performance



1. (CC) gcc options: -O3

RAMspeed SMP 3.5.0

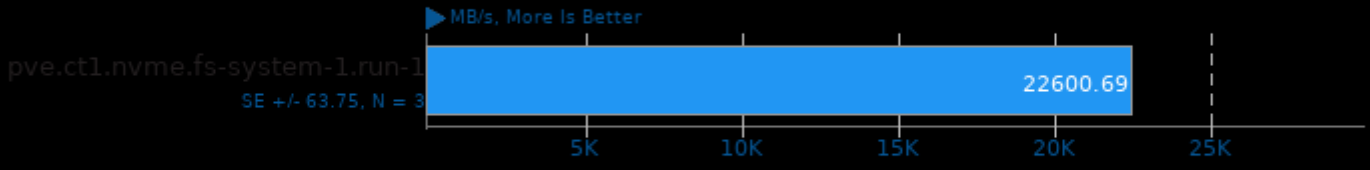
Type: Add - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

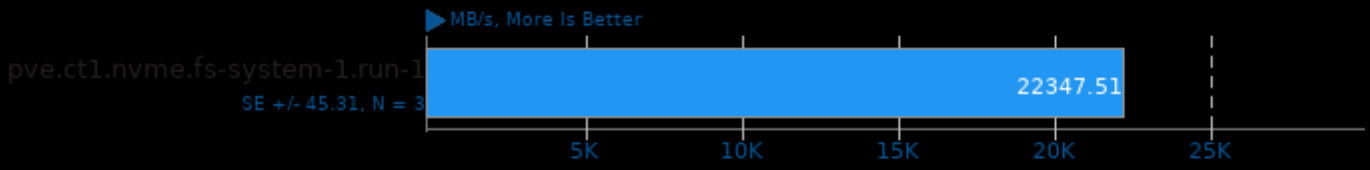
Type: Copy - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

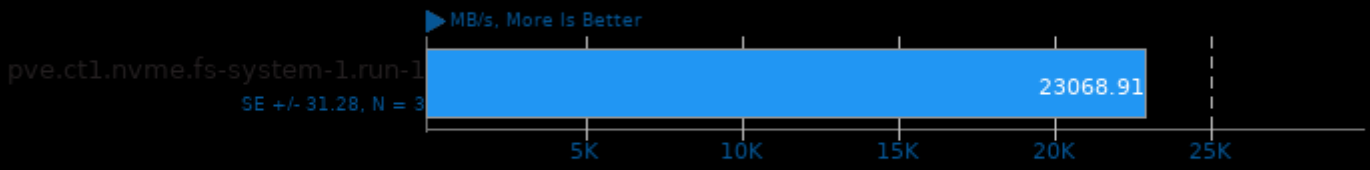
Type: Scale - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

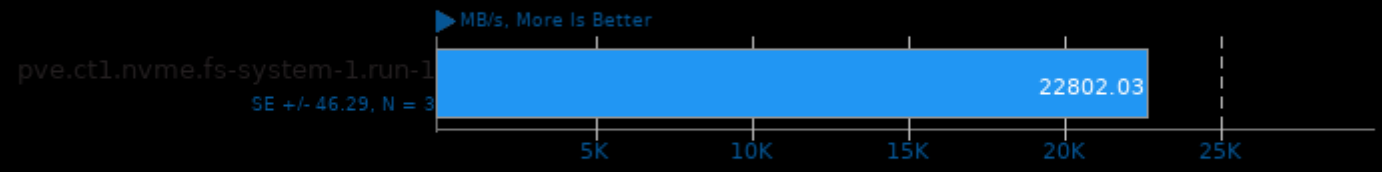
Type: Triad - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

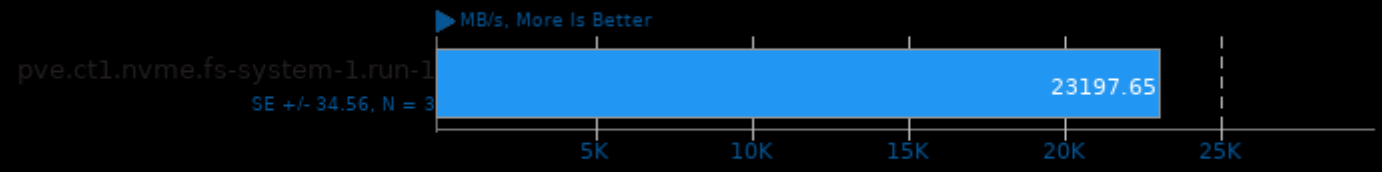
Type: Average - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

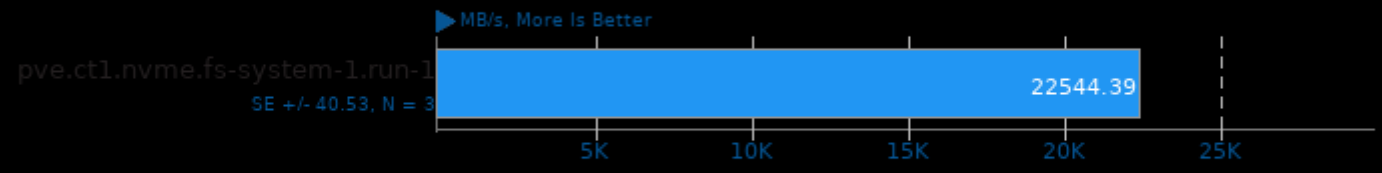
Type: Add - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

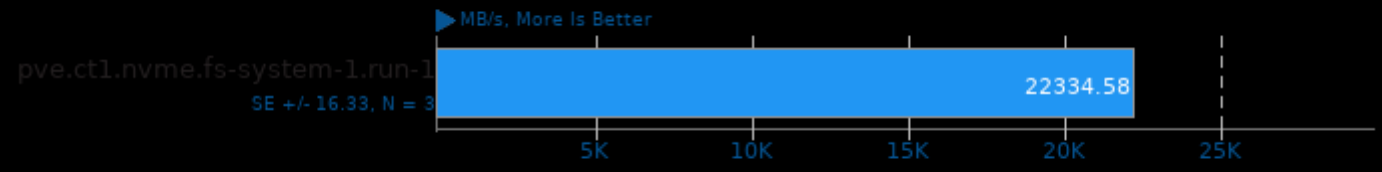
Type: Copy - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

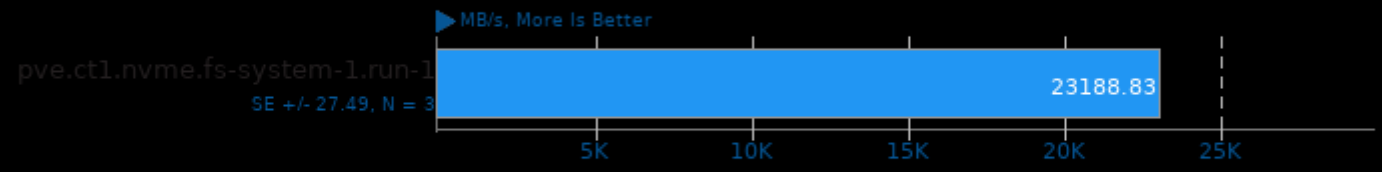
Type: Scale - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

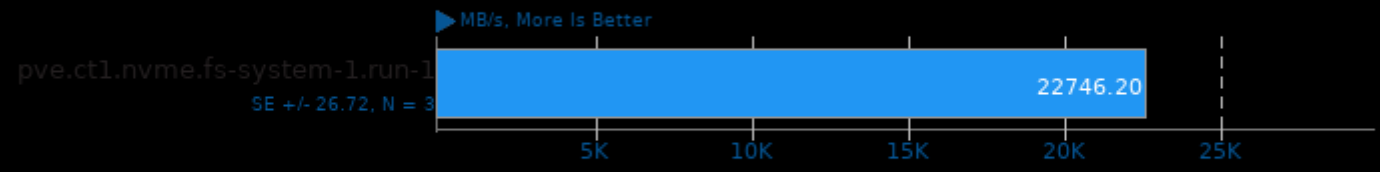
Type: Triad - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

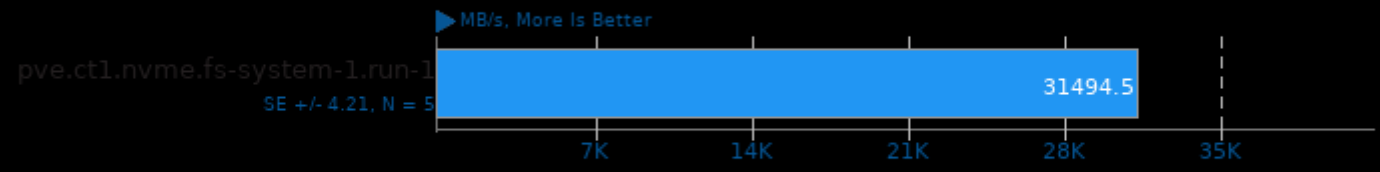
Type: Average - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

Stream 2013-01-17

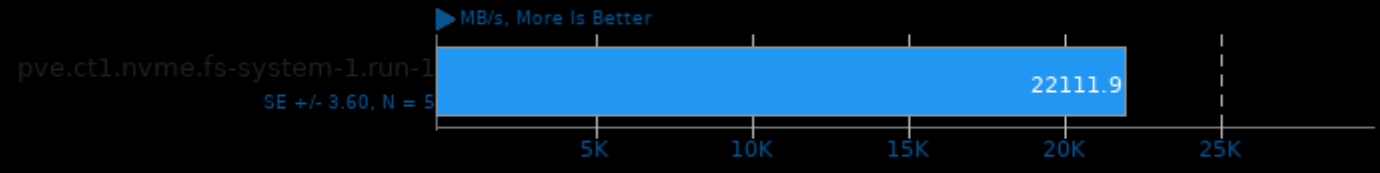
Type: Copy



1. (CC) gcc options: -O3 -march=native -fopenmp

Stream 2013-01-17

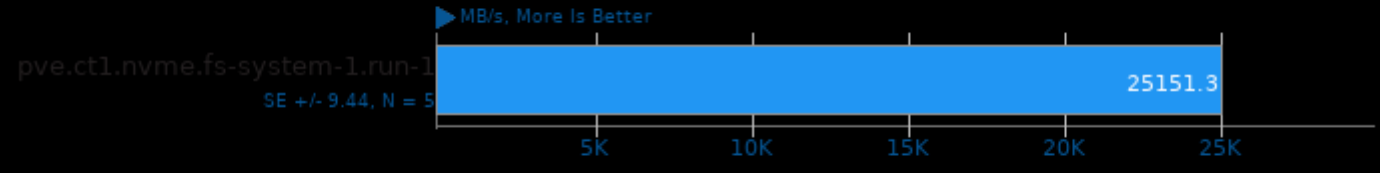
Type: Scale



1. (CC) gcc options: -O3 -march=native -fopenmp

Stream 2013-01-17

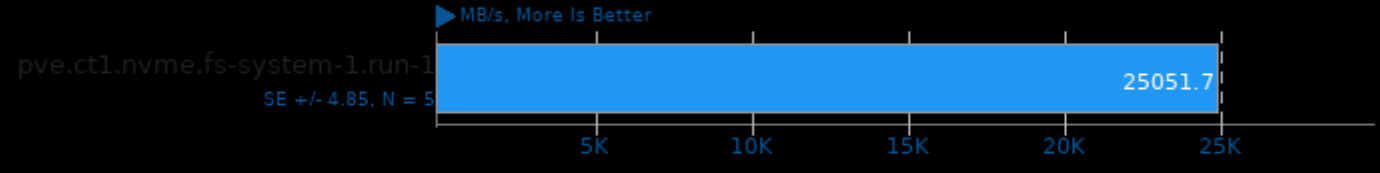
Type: Triad



1. (CC) gcc options: -O3 -march=native -fopenmp

Stream 2013-01-17

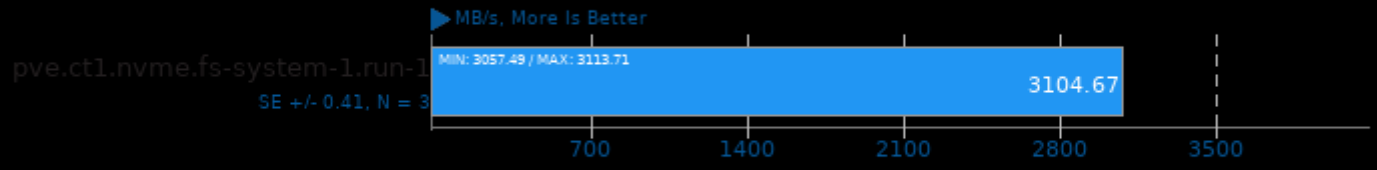
Type: Add



1. (CC) gcc options: -O3 -march=native -fopenmp

CacheBench

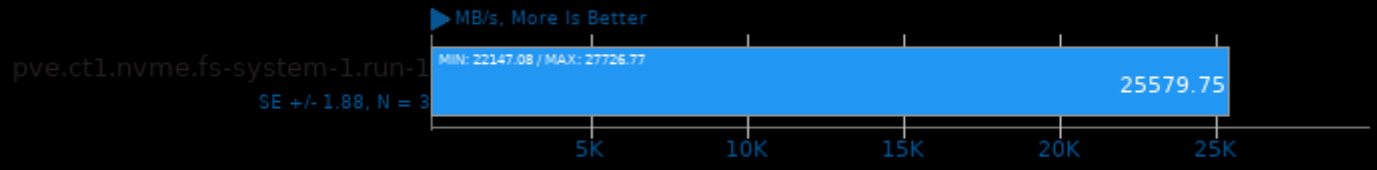
Test: Read



1. (CC) gcc options: -lrt

CacheBench

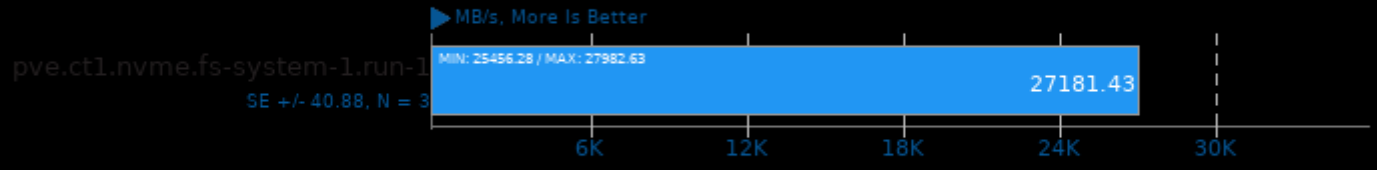
Test: Write



1. (CC) gcc options: -lrt

CacheBench

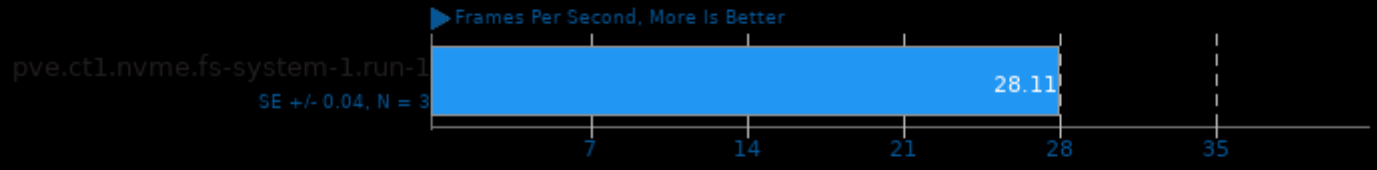
Test: Read / Modify / Write



1. (CC) gcc options: -lrt

x264 2019-12-17

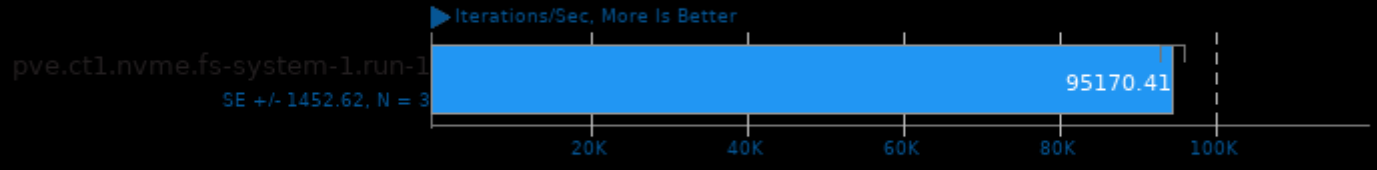
H.264 Video Encoding



1. (CC) gcc options: -ldl -m64 -lm -lpthread -O3 -ffast-math -std=gnu99 -fPIC -fomit-frame-pointer -fno-tree-vectorize

Coremark 1.0

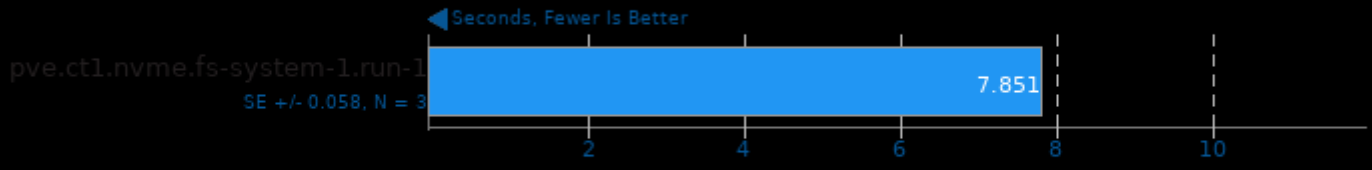
CoreMark Size 666 - Iterations Per Second



1. (CC) gcc options: -O2 -lrt" -lrt

FFmpeg 4.0.2

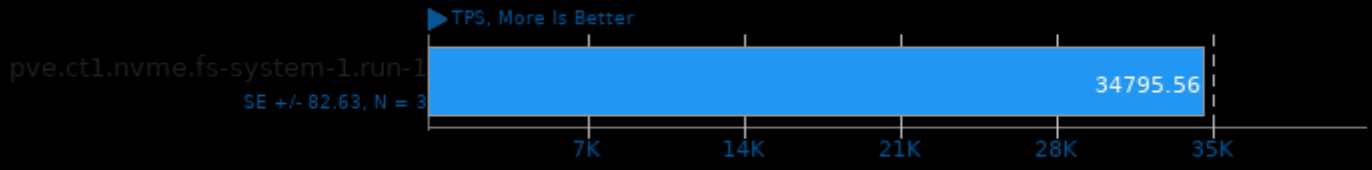
H.264 HD To NTSC DV



1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -lm -pthread -std=c11 -fomit-frame-pointer -fPIC -O3 -fno-ma

PostgreSQL pgbench 12.0

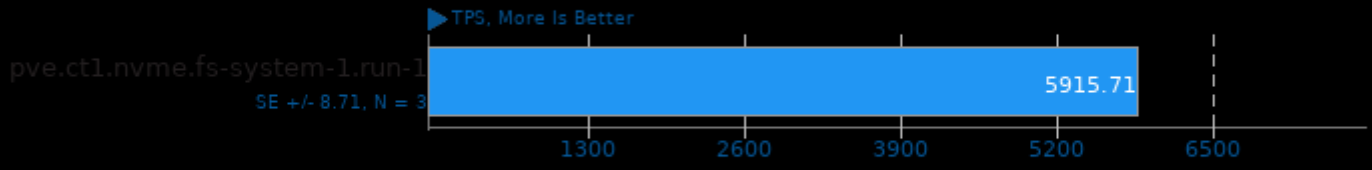
Scaling: On-Disk - Test: Normal Load - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

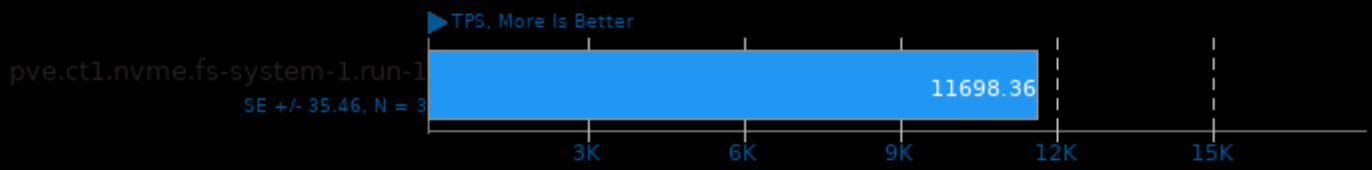
Scaling: On-Disk - Test: Normal Load - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

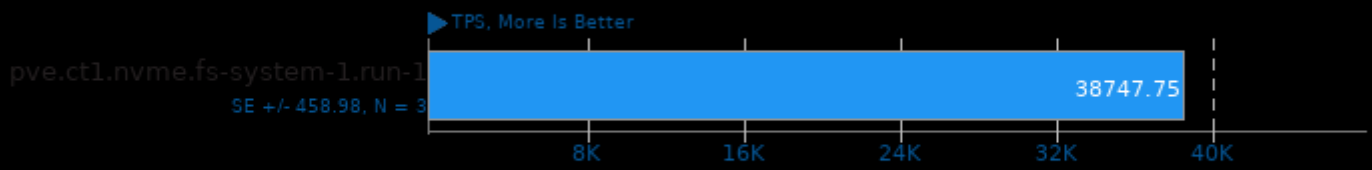
Scaling: On-Disk - Test: Single Thread - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

Scaling: Mostly RAM - Test: Normal Load - Mode: Read Only

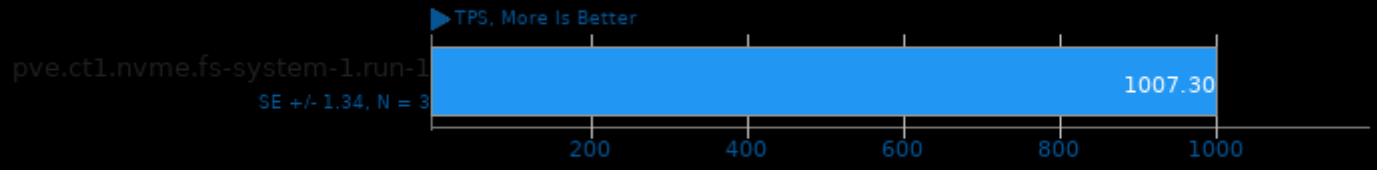


1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

pve.ct1.nvme.fs-system-1.run-1

PostgreSQL pgbench 12.0

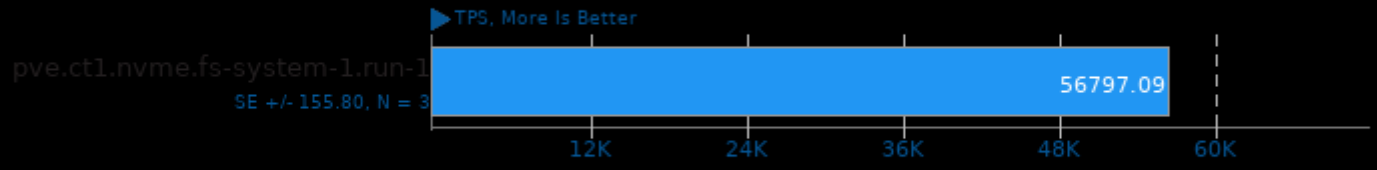
Scaling: On-Disk - Test: Single Thread - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

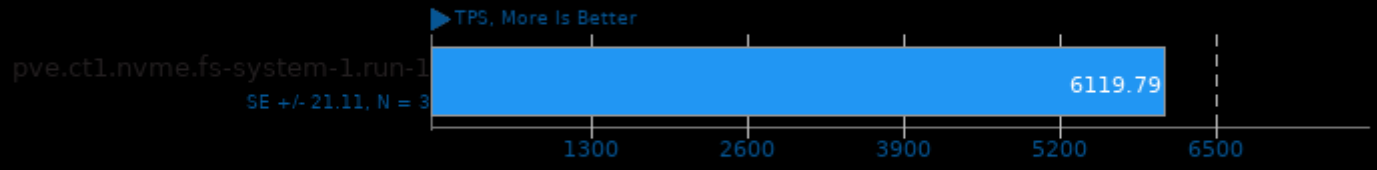
Scaling: Buffer Test - Test: Normal Load - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

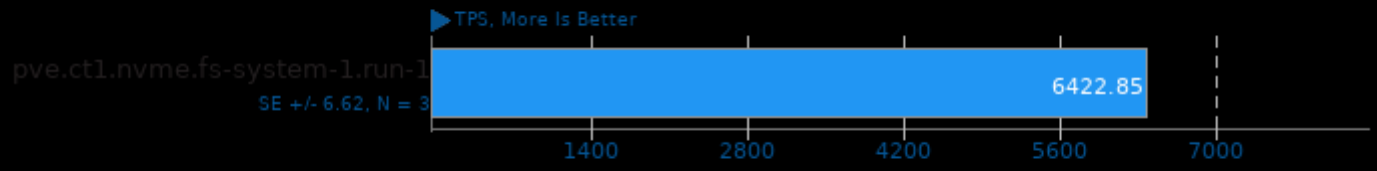
Scaling: Mostly RAM - Test: Normal Load - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

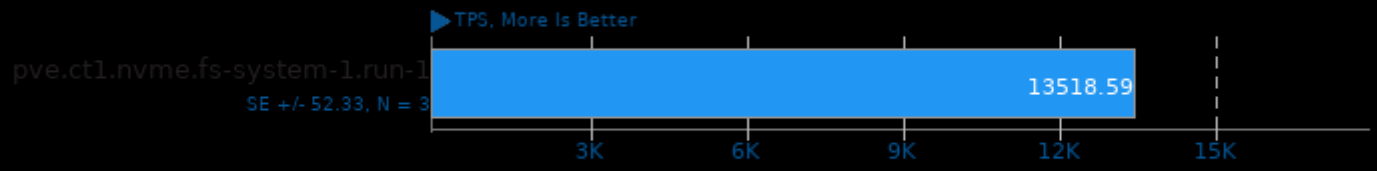
Scaling: Buffer Test - Test: Normal Load - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

Scaling: Mostly RAM - Test: Single Thread - Mode: Read Only

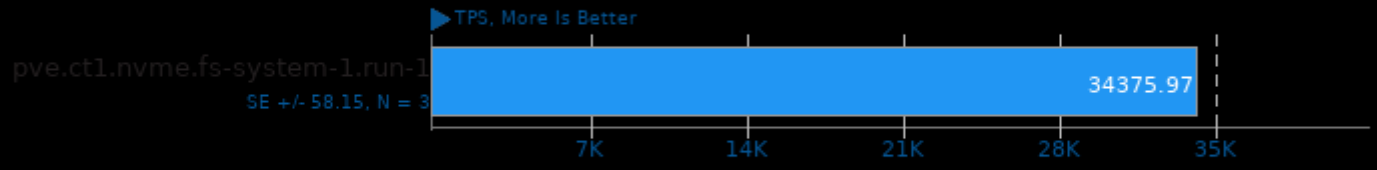


1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

pve.ct1.nvme.fs-system-1.run-1

PostgreSQL pgbench 12.0

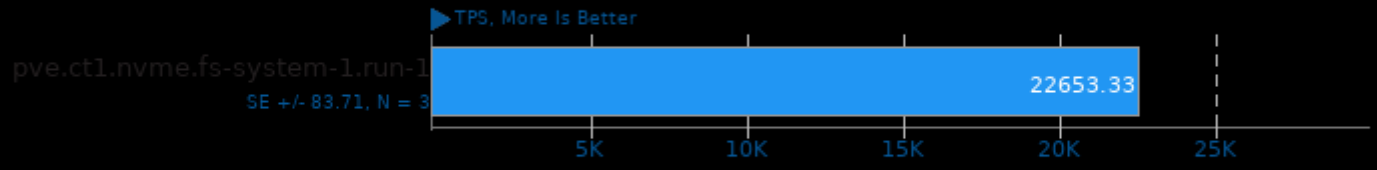
Scaling: On-Disk - Test: Heavy Contention - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

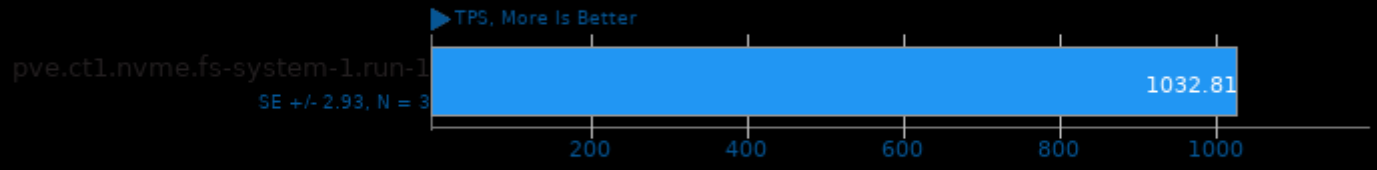
Scaling: Buffer Test - Test: Single Thread - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

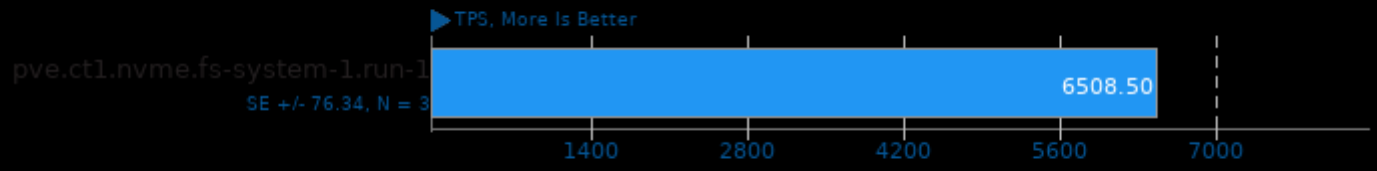
Scaling: Mostly RAM - Test: Single Thread - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

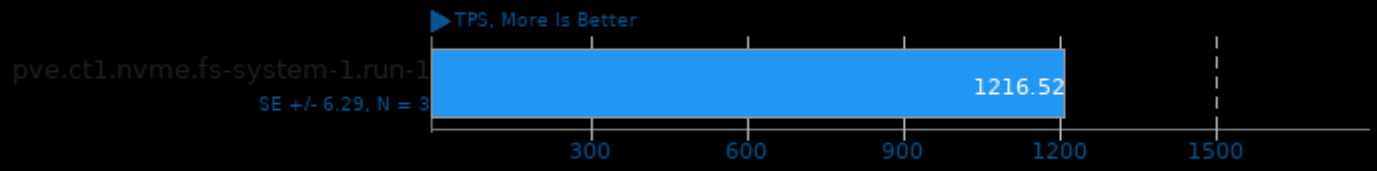
Scaling: On-Disk - Test: Heavy Contention - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

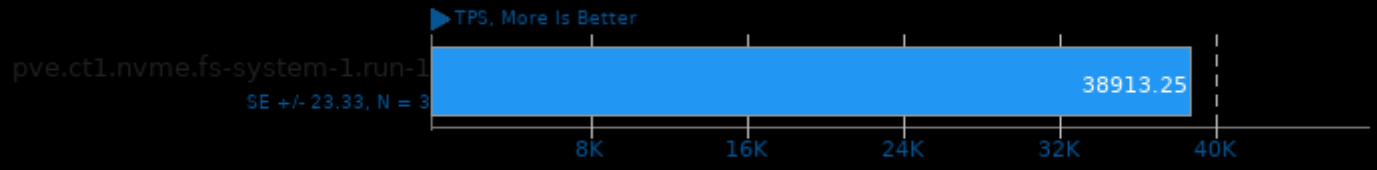
Scaling: Buffer Test - Test: Single Thread - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

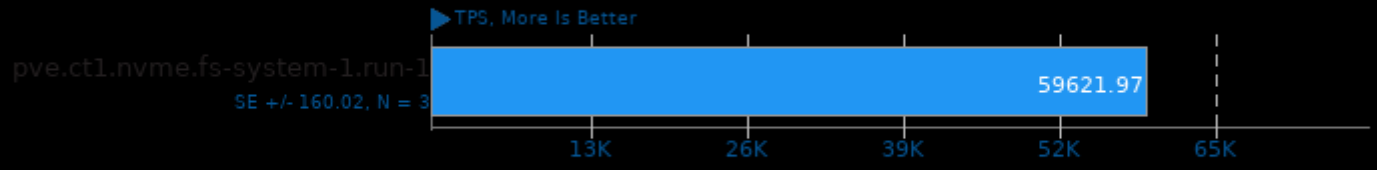
Scaling: Mostly RAM - Test: Heavy Contention - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

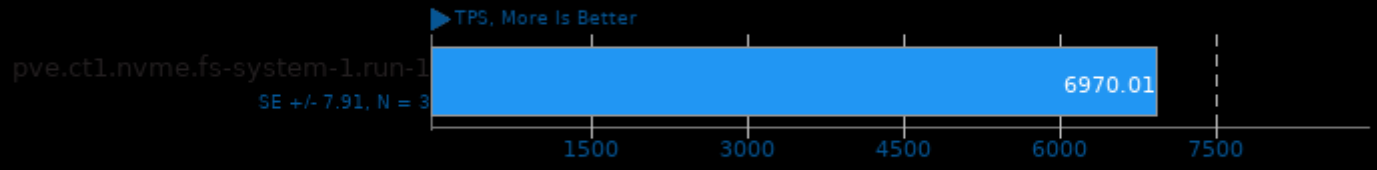
Scaling: Buffer Test - Test: Heavy Contention - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

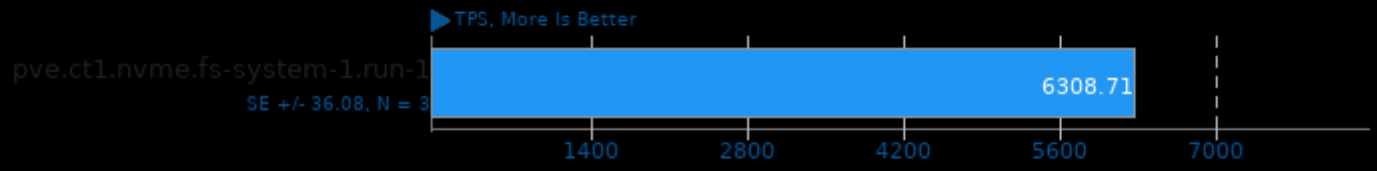
Scaling: Mostly RAM - Test: Heavy Contention - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

PostgreSQL pgbench 12.0

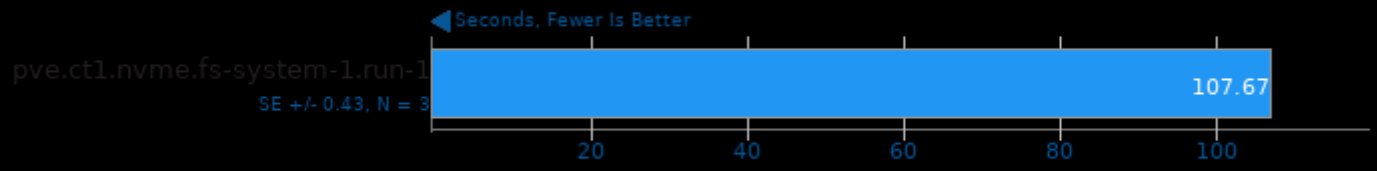
Scaling: Buffer Test - Test: Heavy Contention - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -lcrypt -ldl -lm

SQLite Speedtest 3.30

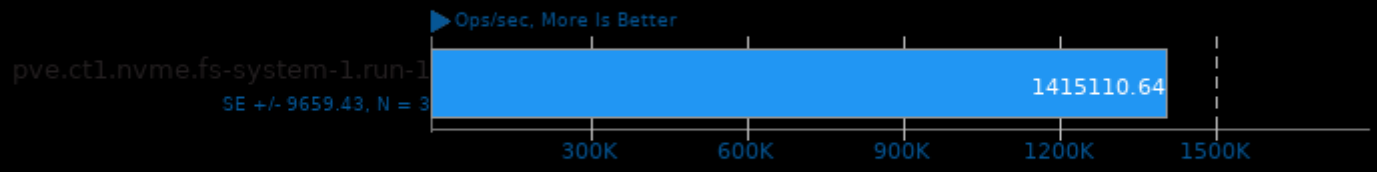
Timed Time - Size 1,000



1. (CC) gcc options: -O2 -ldl -lz -lpthread

Memtier_benchmark 1.2.17

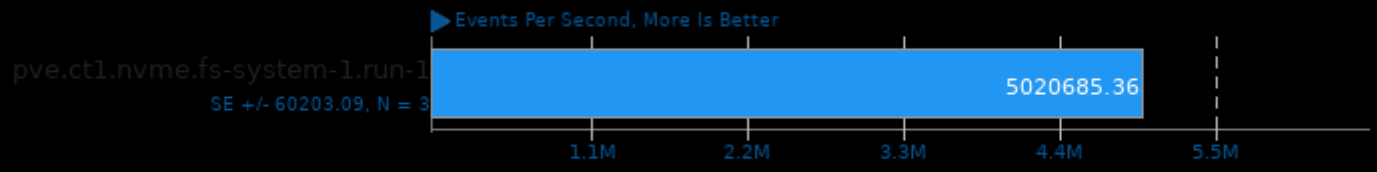
Protocol: Redis



1. (CXX) g++ options: -O2 -levent -lpthread -lz -lpcre

Sysbench 2018-07-28

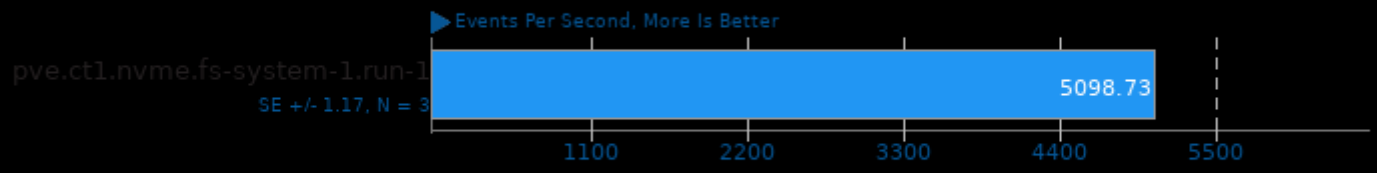
Test: Memory



1. (CC) gcc options: -pthread -O3 -funroll-loops -ggdb3 -march=core2 -rdynamic -ldl -laio -lm

Sysbench 2018-07-28

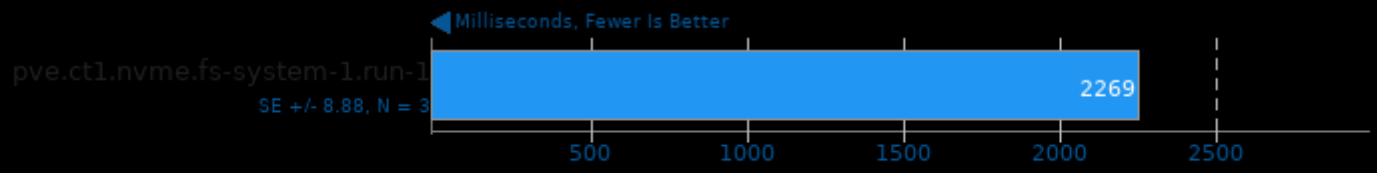
Test: CPU



1. (CC) gcc options: -pthread -O3 -funroll-loops -ggdb3 -march=core2 -rdynamic -ldl -laio -lm

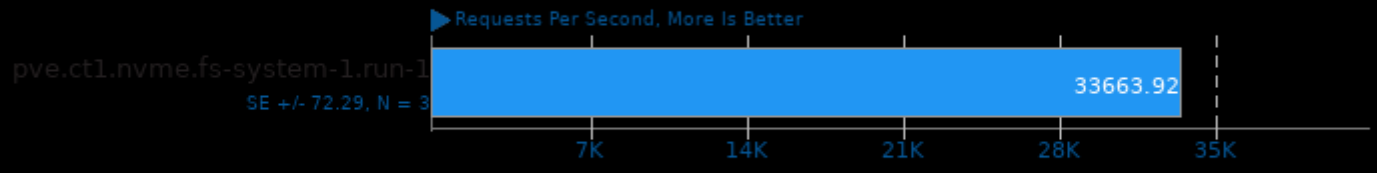
PyBench 2018-02-16

Total For Average Test Times



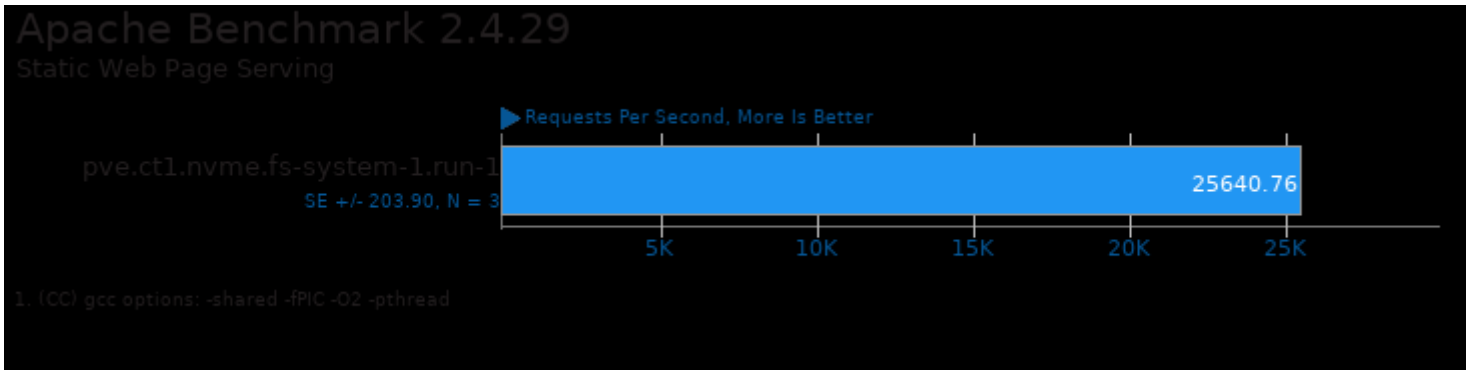
NGINX Benchmark 1.9.9

Static Web Page Serving



1. (CC) gcc options: -lpthread -lcrypt -lcrypto -lz -O3 -march=native

pve.ct1.nvme.fs-system-1.run-1



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 11:24.