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mirrorCache

Mirorr Cache 1M Sequential

Test Systems:

Mirror With Cache

Mirror Cache 1M Sequential

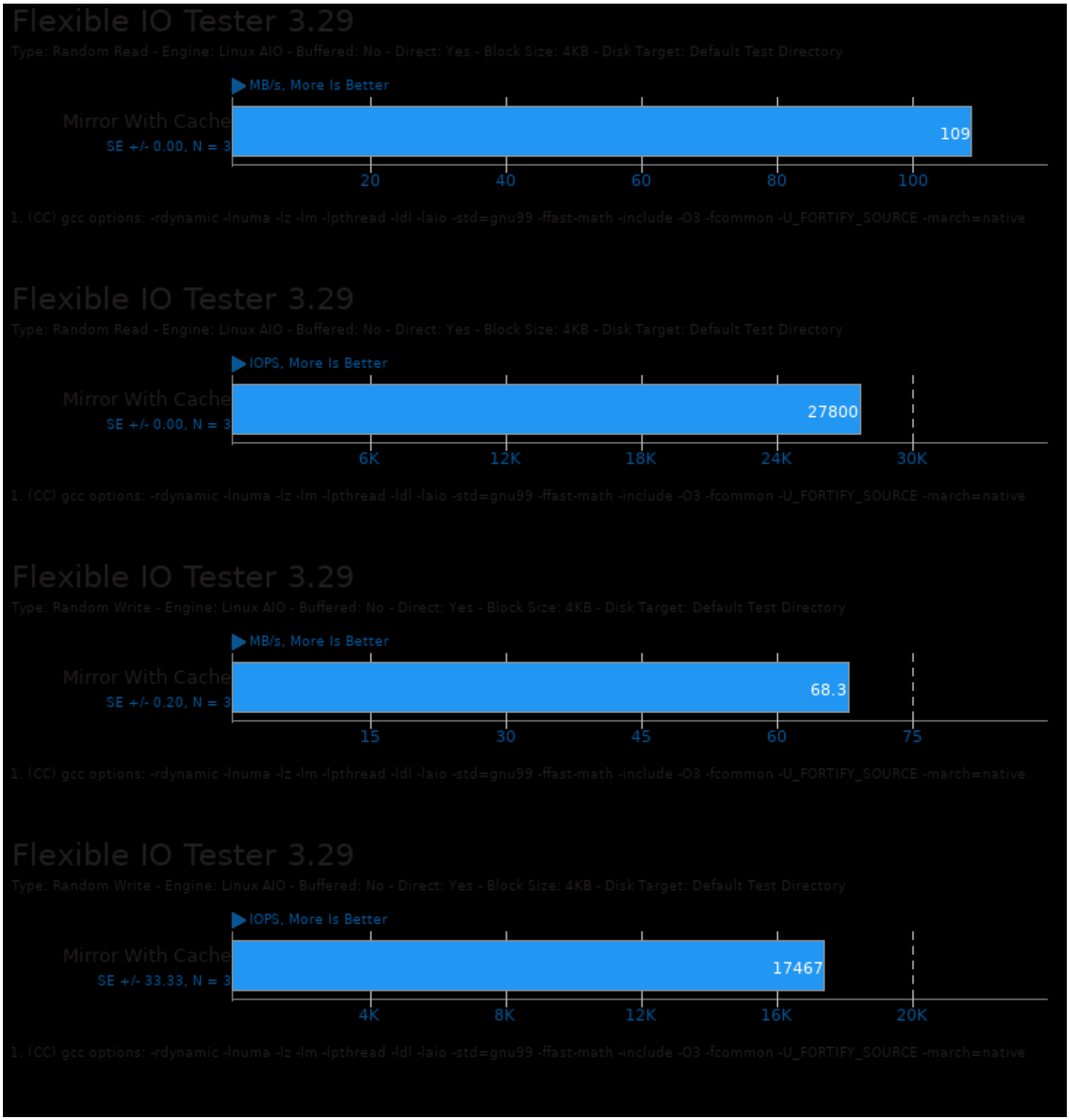
Processor: Intel Core i5-6300U @ 3.00GHz (2 Cores / 4 Threads), Motherboard: LENOVO 20JSS0KS00 (N1WET63W 1.42 BIOS), Chipset: Intel Xeon E3-1200 v5/E3-1500, Memory: 12GB, Disk: 256GB Sabrent + 0GB SD/MMC, Graphics: Intel HD 520 SKL GT2 3GB (1000MHz), Audio: Realtek ALC298, Network: Intel I219-LM + Intel 8260

OS: Ubuntu 22.04, Kernel: 5.15.0-33-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 22.0.1, Compiler: GCC 11.2.0, File-System: nfs, Screen Resolution: 1920x1080

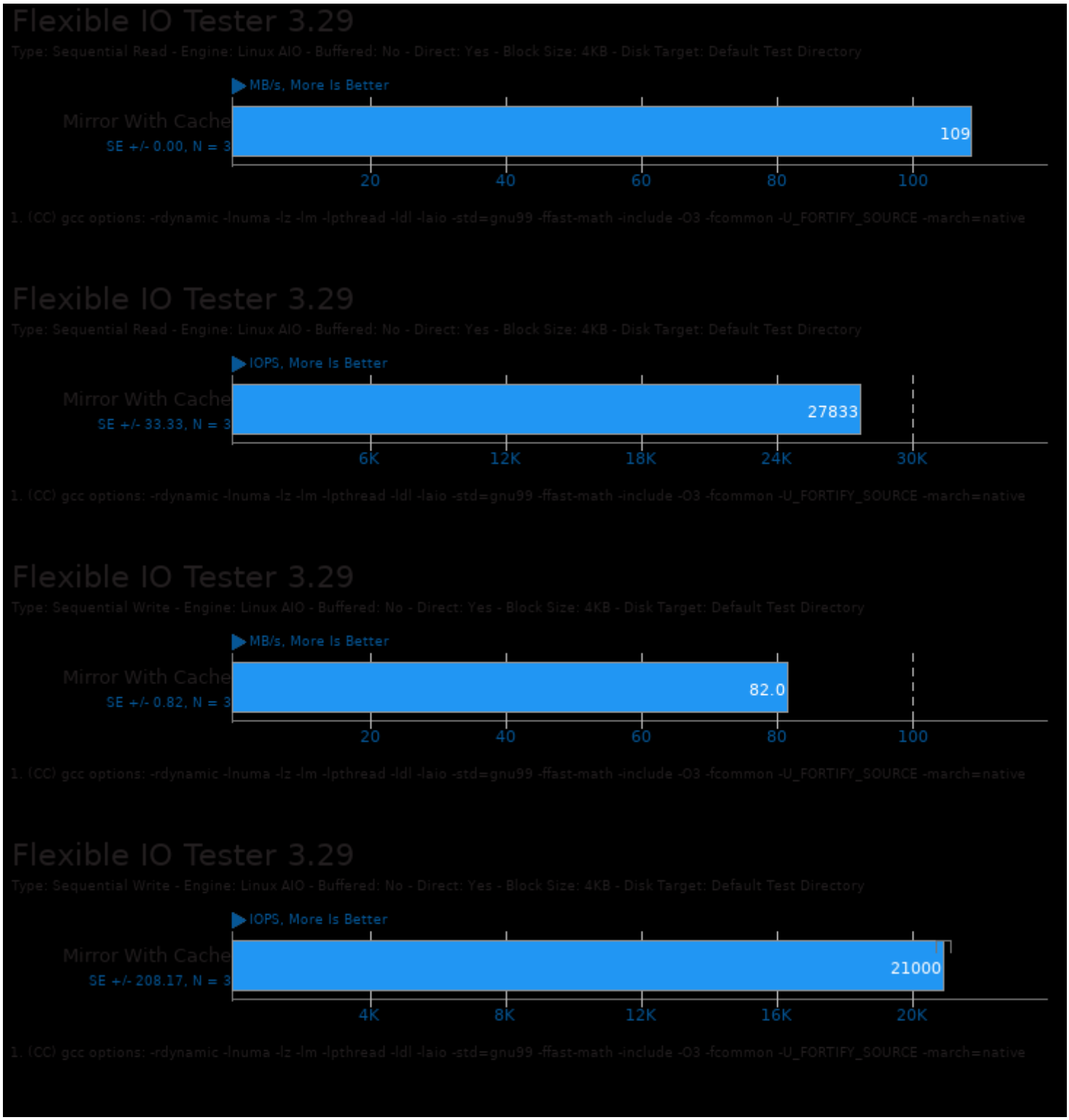
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release

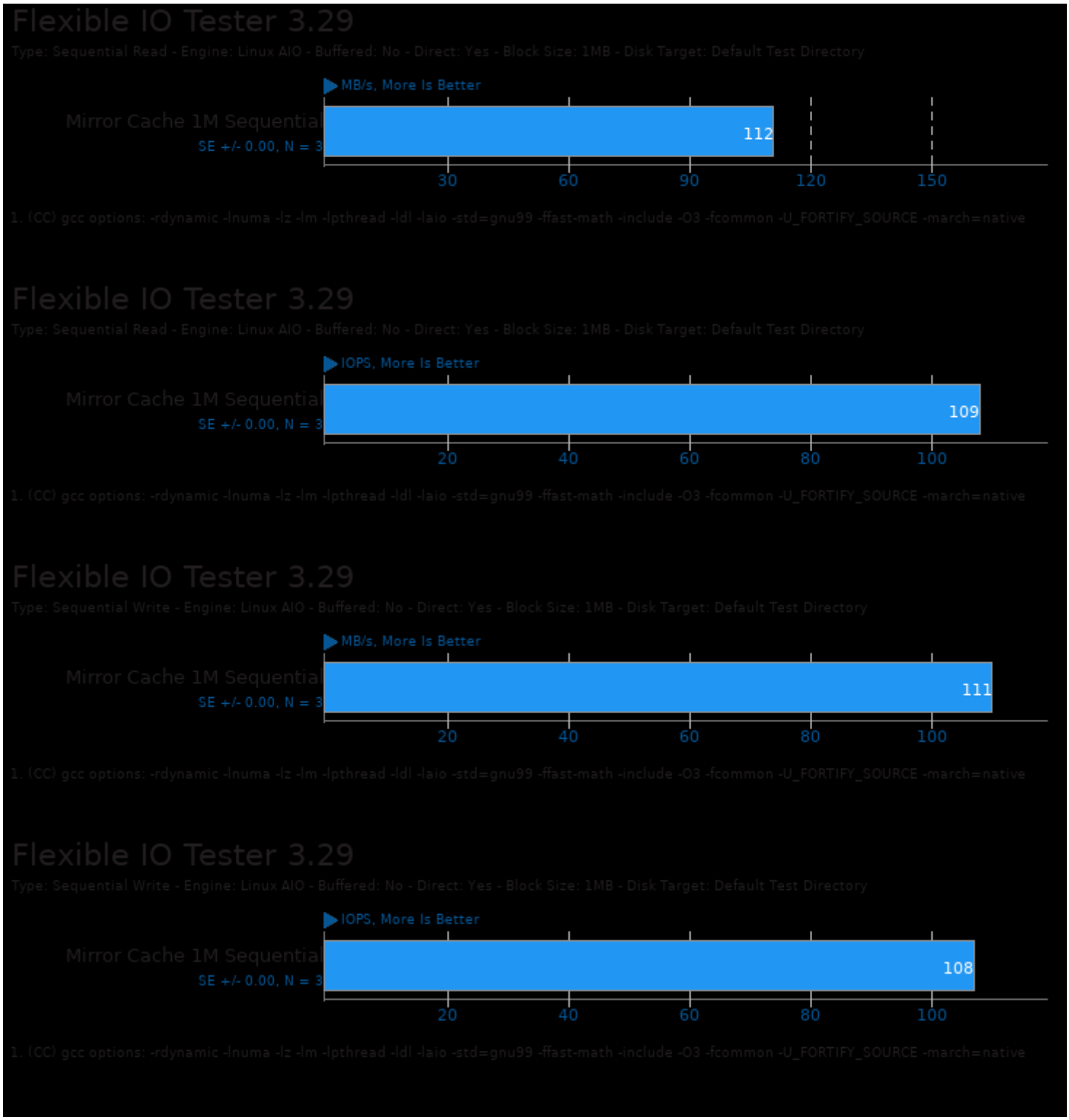
--enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-serialization=2 --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-gcn/usr --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-build-config=bootstrap-lto-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Disk Notes: NONE / errors=remount-ro,relatime,rw / Block Size: 1048576
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: performance) - CPU Microcode: 0xea - Thermald 2.4.9
Security Notes: itlb_multihit: KVM: Mitigation of VMX unsupported + l1tf: Mitigation of PTE Inversion + 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 Retpolines IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Mitigation of TSX disabled

	Mirror With Cache	Mirror Cache 1M
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 4KB (MB/s)	109	
Standard Deviation	0%	
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 4KB (IOPS)	27800	
Standard Deviation	0%	
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 4KB (MB/s)	68.3	
Standard Deviation	0.5%	
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 4KB (IOPS)	17467	
Standard Deviation	0.3%	
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB (MB/s)	109	
Standard Deviation	0%	
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB (IOPS)	27833	
Standard Deviation	0.2%	
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB (MB/s)	82.0	
Standard Deviation	1.7%	
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB (IOPS)	21000	
Standard Deviation	1.7%	
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 1MB (MB/s)		112
Standard Deviation		0%
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 1MB (IOPS)		109
Standard Deviation		0%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 1MB (MB/s)		111
Standard Deviation		0%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 1MB (IOPS)		108
Standard Deviation		0%


Flexible IO Tester 3.29
Type: Random Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
Mirror With Cache
SE +/- 0.00, N = 3
109
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lnuma -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.29
Type: Random Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
Mirror With Cache
SE +/- 0.00, N = 3
27800
6K
12K
18K
24K
30K
1. (CC) gcc options: -rdynamic -lnuma -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.29
Type: Random Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
Mirror With Cache
SE +/- 0.20, N = 3
68.3
15
30
45
60
75
1. (CC) gcc options: -rdynamic -lnuma -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.29
Type: Random Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
Mirror With Cache
SE +/- 33.33, N = 3
17467
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -lnuma -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 04:40.