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pts-fio-1.10.1-03042020

AMD FX-8320E Eight-Core testing with a ASUS M5A97 R2.0 (2603 BIOS) and eVGA NVIDIA GeForce GTX 1080 Ti 11GB on Ubuntu 18.04 via the Phoronix Test Suite.

Automated Executive Summary

hashcat-rig had the most wins, coming in first place for 65% of the tests.

Based on the geometric mean of all complete results, the fastest (optepr0n) was 1.274x the speed of the slowest (hashcat-rig).

The results with the greatest spread from best to worst included:

Flexible IO Tester (Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory) at 59.063x
Flexible IO Tester (Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory) at 54.082x
Flexible IO Tester (Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /var) at 40.484x
Flexible IO Tester (Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /var) at 39.355x
Flexible IO Tester (Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk

Target: Default Test Directory) at 34.844x
Flexible IO Tester (Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory) at 33.281x
Flexible IO Tester (Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory) at 33.125x
Flexible IO Tester (Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /var) at 32.903x
Flexible IO Tester (Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory) at 30.781x
Flexible IO Tester (Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /) at 3.333x.

Test Systems:

optepr0n

Processor: 2 x AMD Opteron 6380 @ 2.50GHz (16 Cores / 32 Threads), Motherboard: Supermicro H8DG6/H8DGi v1.0 (3.5c BIOS), Chipset: AMD RD890 + SB7x0/SB8x0/SB9x0, Memory: 8 x 16384 MB DDR3-1600MHz, Disk: 4 x 1000GB Seagate ST1000DM010-2EP1 + 2 x 1024GB 1TB SATA SSD, Graphics: Matrox MGA G200eW WPCM450 2GB, Audio: AMD Cape Verde/Pitcairn, Monitor: ASUS VP247, Network: 2 x Intel 82576 + Intel 7265

OS: Slackware 14.2, Kernel: 5.4.23 (x86_64), Desktop: Xfce, Display Server: X Server 1.18.3, Display Driver: radeon 7.7.0, Compiler: GCC 5.5.0 + Clang 3.8.0 + LLVM 3.8.0, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-slackware-linux --disable-install-libiberty --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-java-home --enable-languages=ada,c,c++,fortran,go,java,lto,objc --enable-libssp --enable-libstdcxx-dual-abi --enable-lto --enable-multilib --enable-objc-gc --enable-shared --enable-threads=posix --host=x86_64-slackware-linux --mandir=/usr/man --target=x86_64-slackware-linux --verbose --with-antlr-jar=/home/slackware/slackbuilds/gcc-5.5.0/antlr-runtime-3.4.jar --with-arch-directory=amd64 --with-default-libstdcxx-abi=gcc4-compatible --with-gnu-ld --with-python-dir=/lib64/python2.7/site-packages
Disk Notes: MQ-DEADLINE / relatime,rw / raid1 sde1[3] sdf1[2]
Processor Notes: Scaling Governor: acpi-cpufreq ondemand - CPU Microcode: 0x600084f
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline STIBP: disabled RSB filling + tsx_async_abort: Not affected

hashcat-rig

Processor: AMD FX-8320E Eight-Core @ 3.20GHz (4 Cores / 8 Threads), Motherboard: ASUS M5A97 R2.0 (2603 BIOS), Chipset: AMD RD9x0/RX980, Memory: 4 x 8192 MB DDR3-1066MT/s 16G-D3-2133-MR, Disk: 1000GB Seagate ST1000DM010-2EP1, Graphics: eVGA NVIDIA GeForce GTX 1080 Ti 11GB, Audio: Realtek ALC887-VD, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 18.04, Kernel: 5.3.0-40-generic (x86_64), Display Server: X Server 1.18.4, OpenCL: OpenCL 1.2 CUDA 9.1.84 + OpenCL 2.0 beignet 1.3 + OpenCL 1.1 Mesa 19.2.8, Compiler: GCC 7.4.0, File-System: ext4, Screen Resolution: 800x600

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --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

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Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: acpi-cpufreq ondemand
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

	optepr0n	hashcat-rig
Flexible IO Tester - Rand Read - POSIX AIO - No - No - 4KB - / (MB/s)	**0.694**	**0.62**
Normalized	100%	89.34%
Standard Deviation	1%	1.3%
Flexible IO Tester - Rand Read - POSIX AIO - No - No - 8MB - / (MB/s)	**276**	**184**
Normalized	100%	66.67%
Standard Deviation	0.4%	
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 4KB - / (MB/s)	**0.690**	**0.62**
Normalized	100%	89.86%
Standard Deviation	0.7%	1.4%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 8MB - / (MB/s)	**273**	**184**
Normalized	100%	67.4%
Standard Deviation	1.4%	
Flexible IO Tester - Rand Read - POSIX AIO - Yes - No - 4KB - / (MB/s)	**0.694**	**0.62**
Normalized	100%	89.34%
Standard Deviation	0.7%	1%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - No - 8MB - / (MB/s)	**2864**	**3739**
Normalized	76.6%	100%
Standard Deviation	3.9%	0.9%
Flexible IO Tester - Rand Write - POSIX AIO - No - No - 4KB - / (MB/s)	**2.030**	**0.96**
Normalized	100%	47.29%
Standard Deviation	2.9%	6.8%
Flexible IO Tester - Rand Write - POSIX AIO - No - No - 8MB - / (MB/s)	**193**	**167**
Normalized	100%	86.53%
Standard Deviation		1.9%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - Yes - 4KB - / (MB/s)	**0.692**	**0.62**
Normalized	100%	89.6%
Standard Deviation	0.8%	0.4%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - Yes - 8MB - / (MB/s)	**2978**	**3746**
Normalized	79.5%	100%
Standard Deviation	0.6%	0.4%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 4KB - / (MB/s)	**2.047**	**0.97**
Normalized	100%	47.39%
Standard Deviation	2.9%	6%

Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 8MB - / (MB/s)	**189**	**155**
Normalized	100%	82.01%
Standard Deviation	3.8%	4.4%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 4KB - / (MB/s)	**842**	**1037**
Normalized	81.2%	100%
Standard Deviation	2.9%	1.2%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 4KB - / (IOPS)	**215667**	**265333**
Normalized	81.28%	100%
Standard Deviation	3.1%	1.2%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 8MB - / (MB/s)	**2526**	**2486**
Normalized	100%	98.42%
Standard Deviation	2.6%	1%
Flexible IO Tester - Rand Read - POSIX AIO - No - No - 4KB - /var (MB/s)	**25.1**	**0.62**
Normalized	100%	2.47%
Standard Deviation	2.2%	1%
Flexible IO Tester - Rand Read - POSIX AIO - No - No - 8MB - /var (MB/s)	**277**	**184**
Normalized	100%	66.43%
Standard Deviation	5.9%	0.3%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 4KB - / (MB/s)	**861**	**1035**
Normalized	83.19%	100%
Standard Deviation	2.9%	0.7%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 4KB - / (IOPS)	**220333**	**265000**
Normalized	83.14%	100%
Standard Deviation	2.9%	0.8%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 8MB - / (MB/s)	**2509**	**2487**
Normalized	100%	99.12%
Standard Deviation	5.2%	0.5%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 4KB - /var (MB/s)	**23.4**	**0.61**
Normalized	100%	2.61%
Standard Deviation	7.2%	0.4%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 8MB - /var (MB/s)	**275**	**183**
Normalized	100%	66.55%
Standard Deviation	8.8%	0.5%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - No - 4KB - /var (MB/s)	**24.4**	**0.62**
Normalized	100%	2.54%
Standard Deviation	0.5%	0.9%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - No - 8MB - /var (MB/s)	**2680**	**3749**
Normalized	71.49%	100%
Standard Deviation	5%	1.2%

Flexible IO Tester - Rand Write - POSIX AIO - No - No - 4KB - /var (MB/s)	**51.0**	**0.96**
Normalized	100%	1.88%
Standard Deviation	19.6%	1%
Flexible IO Tester - Rand Write - POSIX AIO - No - No - 4KB - /var (IOPS)	13840	
Standard Deviation	7.8%	
Flexible IO Tester - Rand Write - POSIX AIO - No - No - 8MB - /var (MB/s)	**101**	**151**
Normalized	66.89%	100%
Standard Deviation	23.1%	2.8%
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 4KB - / (MB/s)	**21.8**	**72.67**
Normalized	30%	100%
Standard Deviation	1.5%	1.5%
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 8MB - / (MB/s)	**277**	**201**
Normalized	100%	72.56%
Standard Deviation	0.4%	0.3%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - Yes - 4KB - /var (MB/s)	**20.4**	**0.62**
Normalized	100%	3.04%
Standard Deviation	0.6%	0.4%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - Yes - 8MB - /var (MB/s)	**2671**	**3751**
Normalized	71.21%	100%
Standard Deviation	1.7%	0.3%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 4KB - /var (MB/s)	**52.9**	**0.95**
Normalized	100%	1.8%
Standard Deviation	11.1%	1.4%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 4KB - /var (IOPS)	13855	
Standard Deviation	4.7%	
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 8MB - /var (MB/s)	**145**	**160**
Normalized	90.63%	100%
Standard Deviation	28.8%	2.2%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 4KB - /var (MB/s)	**775**	**1050**
Normalized	73.81%	100%
Standard Deviation	3.9%	2.2%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 4KB - /var (IOPS)	**198600**	**268667**
Normalized	73.92%	100%
Standard Deviation	3.8%	2%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 8MB - /var (MB/s)	**1920**	**2505**
Normalized	76.65%	100%
Standard Deviation	1.1%	0.1%

Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 4KB - / (MB/s)	**23.9**	**71.85**
Normalized	33.26%	100%
Standard Deviation	12.3%	2.8%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 8MB - / (MB/s)	**277**	**201**
Normalized	100%	72.56%
Standard Deviation	1.8%	
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 4KB - / (MB/s)	**1043**	**1256**
Normalized	83.04%	100%
Standard Deviation	2.8%	1.4%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 4KB - / (IOPS)	**266800**	**321667**
Normalized	82.94%	100%
Standard Deviation	2.8%	1.3%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 8MB - / (MB/s)	**2802**	**3834**
Normalized	73.08%	100%
Standard Deviation	4.9%	0.6%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 4KB - / (MB/s)	**45.9**	**63.33**
Normalized	72.48%	100%
Standard Deviation	2%	1.9%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 4KB - / (IOPS)	**11767**	**16400**
Normalized	71.75%	100%
Standard Deviation	0.5%	1.2%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 8MB - / (MB/s)	**199**	**177**
Normalized	100%	88.94%
Standard Deviation	0.5%	2.9%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 4KB - /var (MB/s)	**767**	**1035**
Normalized	74.11%	100%
Standard Deviation	7.8%	1%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 4KB - /var (IOPS)	**196600**	**265333**
Normalized	74.1%	100%
Standard Deviation	7.7%	0.9%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 8MB - /var (MB/s)	**1841**	**2436**
Normalized	75.57%	100%
Standard Deviation	2.8%	4.1%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 4KB - / (MB/s)	**1015**	**1274**
Normalized	79.67%	100%
Standard Deviation	1.5%	1.2%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 4KB - / (IOPS)	**259667**	**326000**
Normalized	79.65%	100%
Standard Deviation	1.5%	1.1%

Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 8MB - / (MB/s)	**2813**	**3819**
Normalized	73.66%	100%
Standard Deviation	6.8%	1.3%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 4KB - / (MB/s)	**44.1**	**65.37**
Normalized	67.46%	100%
Standard Deviation	3.9%	1.9%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 4KB - / (IOPS)	**11373**	**16967**
Normalized	67.03%	100%
Standard Deviation	4.1%	2.2%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 8MB - / (MB/s)	**199**	**177**
Normalized	100%	88.94%
Standard Deviation	1.7%	2.8%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 4KB - / (MB/s)	**877**	**1066**
Normalized	82.27%	100%
Standard Deviation	2.5%	2.9%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 4KB - / (IOPS)	**224667**	**272818**
Normalized	82.35%	100%
Standard Deviation	2.5%	2.9%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 8MB - / (MB/s)	**2488**	**2497**
Normalized	99.64%	100%
Standard Deviation	0.7%	0.9%
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 4KB - /var (MB/s)	**70.4**	**74.47**
Normalized	94.53%	100%
Standard Deviation	1.7%	1.1%
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 4KB - /var (IOPS)	**17667**	**18767**
Normalized	94.14%	100%
Standard Deviation	3.1%	3.7%
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 8MB - /var (MB/s)	**287**	**206**
Normalized	100%	71.78%
Standard Deviation		0.3%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 4KB - / (MB/s)	**880**	**1090**
Normalized	80.73%	100%
Standard Deviation	1.3%	1.4%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 4KB - / (IOPS)	**225000**	**278667**
Normalized	80.74%	100%
Standard Deviation	1.2%	1.5%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 8MB - / (MB/s)	**2447**	**2500**
Normalized	97.88%	100%
Standard Deviation	5.7%	0.7%

Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 4KB - /var (MB/s)	**72.0**	**73.64**
Normalized	97.77%	100%
Standard Deviation	4.7%	3%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 4KB - /var (IOPS)	**18513**	**18860**
Normalized	98.16%	100%
Standard Deviation	4.7%	3%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 8MB - /var (MB/s)	**287**	**206**
Normalized	100%	71.78%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 4KB - /var (MB/s)	**1105**	**1306**
Normalized	84.61%	100%
Standard Deviation	2.6%	0.3%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 4KB - /var (IOPS)	**282750**	**334000**
Normalized	84.66%	100%
Standard Deviation	2.5%	
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 8MB - /var (MB/s)	**2636**	**3842**
Normalized	68.61%	100%
Standard Deviation	1.7%	0.5%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 4KB - /var (MB/s)	**49.2**	**65.80**
Normalized	74.77%	100%
Standard Deviation	16%	0.3%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 4KB - /var (IOPS)	**13173**	**16800**
Normalized	78.41%	100%
Standard Deviation	9.1%	0.6%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 8MB - /var (MB/s)	**239**	**184**
Normalized	100%	76.99%
Standard Deviation	0.7%	2.7%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 4KB - /var (MB/s)	**1047**	**1289**
Normalized	81.23%	100%
Standard Deviation	2.7%	1.2%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 4KB - /var (IOPS)	**268333**	**330000**
Normalized	81.31%	100%
Standard Deviation	2.7%	1.3%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 8MB - /var (MB/s)	**2782**	**3789**
Normalized	73.42%	100%
Standard Deviation	1.6%	3.4%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 4KB - /var (MB/s)	**51.075**	**66.30**
Normalized	77.04%	100%
Standard Deviation	30.3%	2.3%

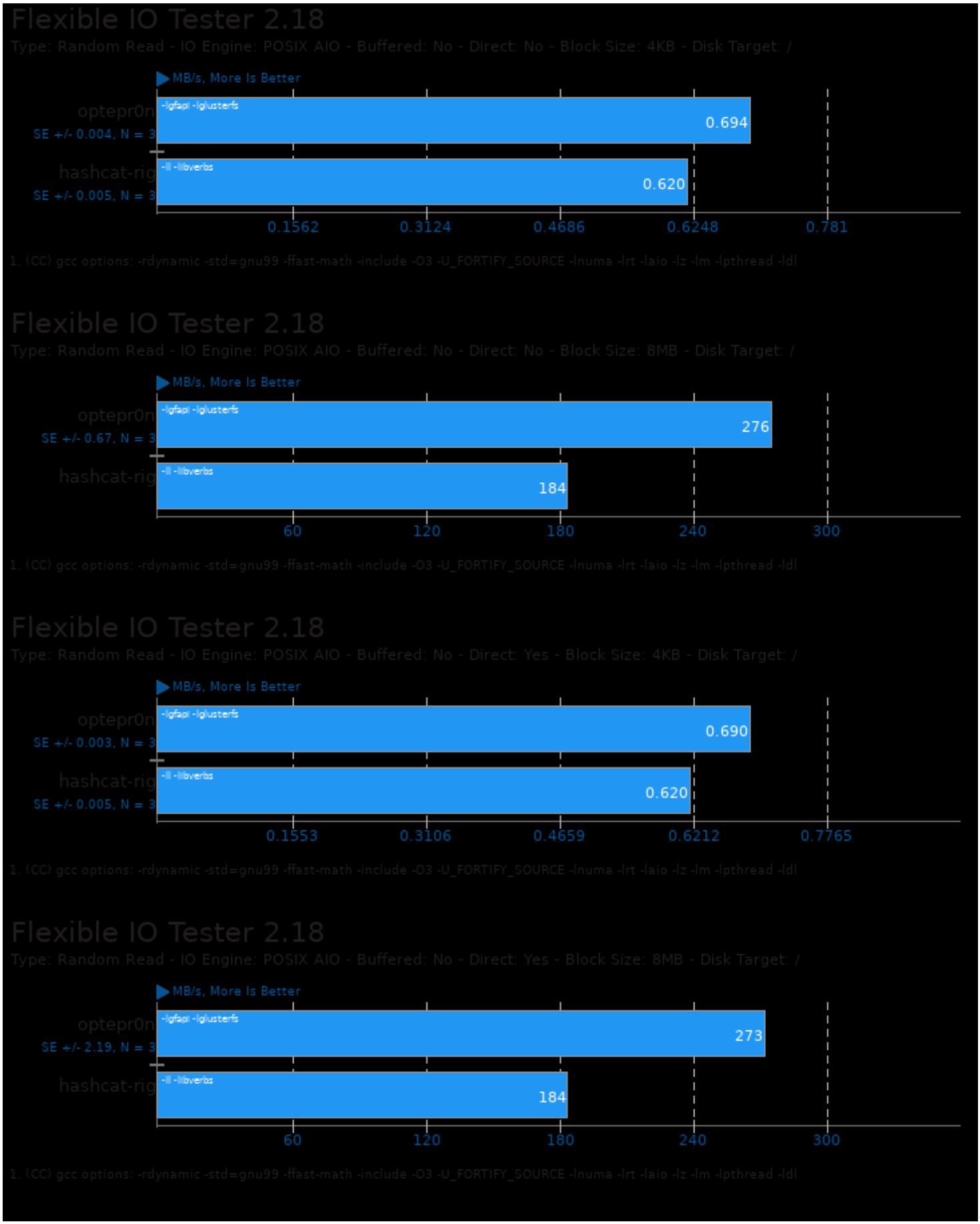
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 4KB - /var (IOPS)	**14480**	**17000**
Normalized	85.18%	100%
Standard Deviation	6.2%	2.1%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 8MB - /var (MB/s)	**156**	**192**
Normalized	81.25%	100%
Standard Deviation	23.9%	0.9%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 4KB - /var (MB/s)	**804**	**1070**
Normalized	75.14%	100%
Standard Deviation	3.7%	1.4%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 4KB - /var (IOPS)	**205867**	**274000**
Normalized	75.13%	100%
Standard Deviation	3.7%	1.3%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 8MB - /var (MB/s)	**1864**	**2508**
Normalized	74.32%	100%
Standard Deviation	4.8%	2.2%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 4KB - /var (MB/s)	**789**	**1078**
Normalized	73.19%	100%
Standard Deviation	2.1%	2.7%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 4KB - /var (IOPS)	**202000**	**276000**
Normalized	73.19%	100%
Standard Deviation	2.2%	2.8%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 8MB - /var (MB/s)	**1897**	**2509**
Normalized	75.61%	100%
Standard Deviation	3.8%	1%
Flexible IO Tester - Rand Read - POSIX AIO - No - No - 4KB (MB/s)	**21.3**	**0.64**
Normalized	100%	3%
Standard Deviation	0.5%	0.5%
Flexible IO Tester - Rand Read - POSIX AIO - No - No - 8MB (MB/s)	**275**	**186**
Normalized	100%	67.64%
Standard Deviation	7%	
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 4KB (MB/s)	**22.3**	**0.64**
Normalized	100%	2.87%
Standard Deviation	0.4%	0.5%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 8MB (MB/s)	**275**	**186**
Normalized	100%	67.64%
Standard Deviation	6.8%	0.3%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - No - 4KB (MB/s)	**21.2**	**0.64**
Normalized	100%	3.02%
Standard Deviation	0.8%	0.2%

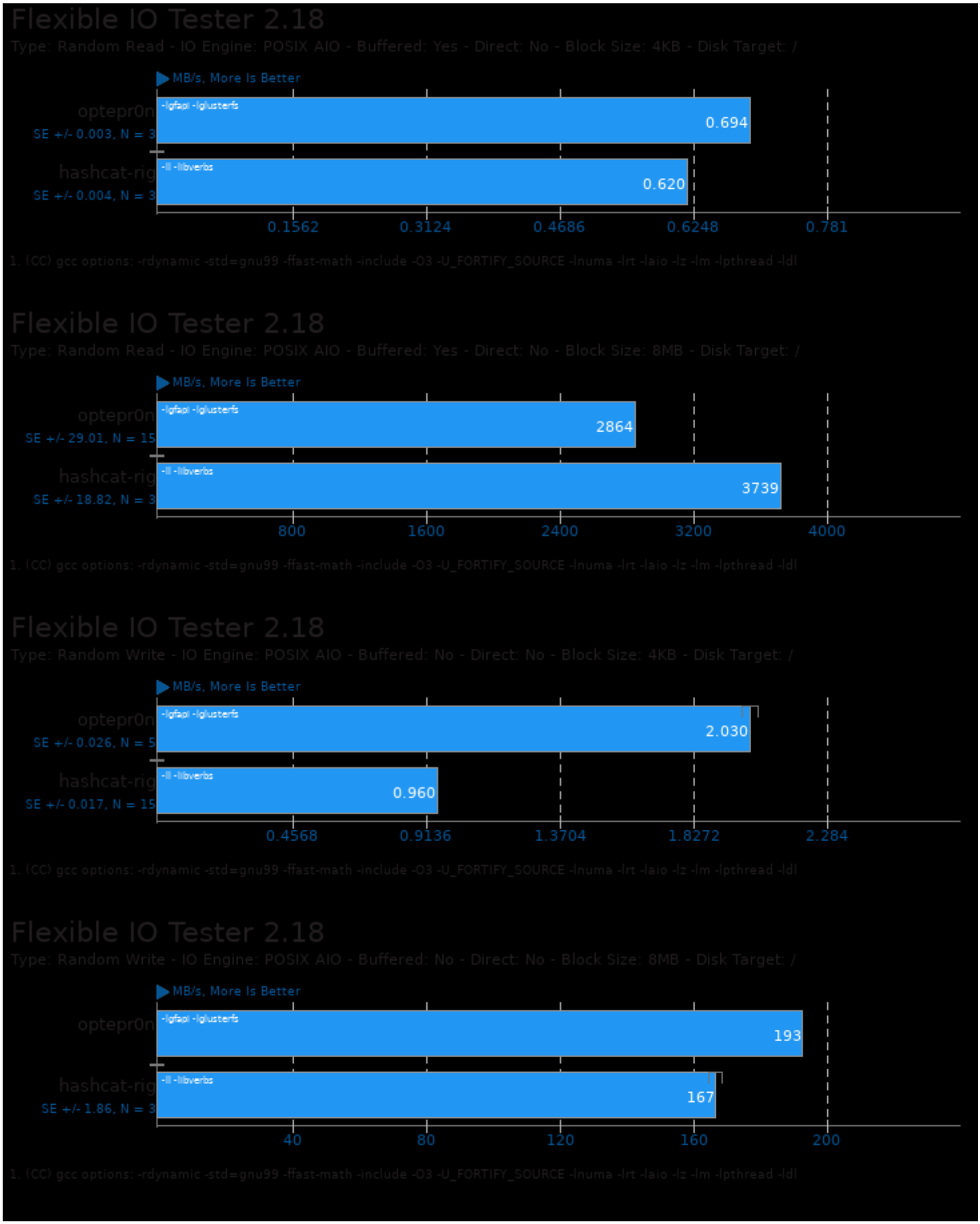
Flexible IO Tester - Rand Read - POSIX AIO - Yes - No - 8MB (MB/s)	**2648**	**3721**
Normalized	71.16%	100%
Standard Deviation	2.9%	2.7%
Flexible IO Tester - Rand Write - POSIX AIO - No - No - 4KB (MB/s)	**56.7**	**0.96**
Normalized	100%	1.69%
Standard Deviation	0.9%	0.8%
Flexible IO Tester - Rand Write - POSIX AIO - No - No - 4KB (IOPS)	14700	
Standard Deviation	1.2%	
Flexible IO Tester - Rand Write - POSIX AIO - No - No - 8MB (MB/s)	**159**	**154**
Normalized	100%	96.86%
Standard Deviation	18.2%	1.9%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - Yes - 4KB (MB/s)	**19.7**	**0.64**
Normalized	100%	3.25%
Standard Deviation	1.1%	0.3%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - Yes - 8MB (MB/s)	**2645**	**3614**
Normalized	73.19%	100%
Standard Deviation	2.9%	2.6%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 4KB (MB/s)	**53.0**	**0.98**
Normalized	100%	1.85%
Standard Deviation	1.5%	2.7%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 4KB (IOPS)	13633	
Standard Deviation	0.4%	
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 8MB (MB/s)	**173**	**156**
Normalized	100%	90.17%
Standard Deviation	23.7%	1%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 4KB (MB/s)	**763**	**1038**
Normalized	73.51%	100%
Standard Deviation	5.6%	2.3%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 4KB (IOPS)	**195467**	**265667**
Normalized	73.58%	100%
Standard Deviation	5.6%	2.5%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 8MB (MB/s)	**1856**	**2500**
Normalized	74.24%	100%
Standard Deviation	1.4%	0.4%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 4KB (MB/s)	**770**	**1042**
Normalized	73.9%	100%
Standard Deviation	2.2%	2.2%

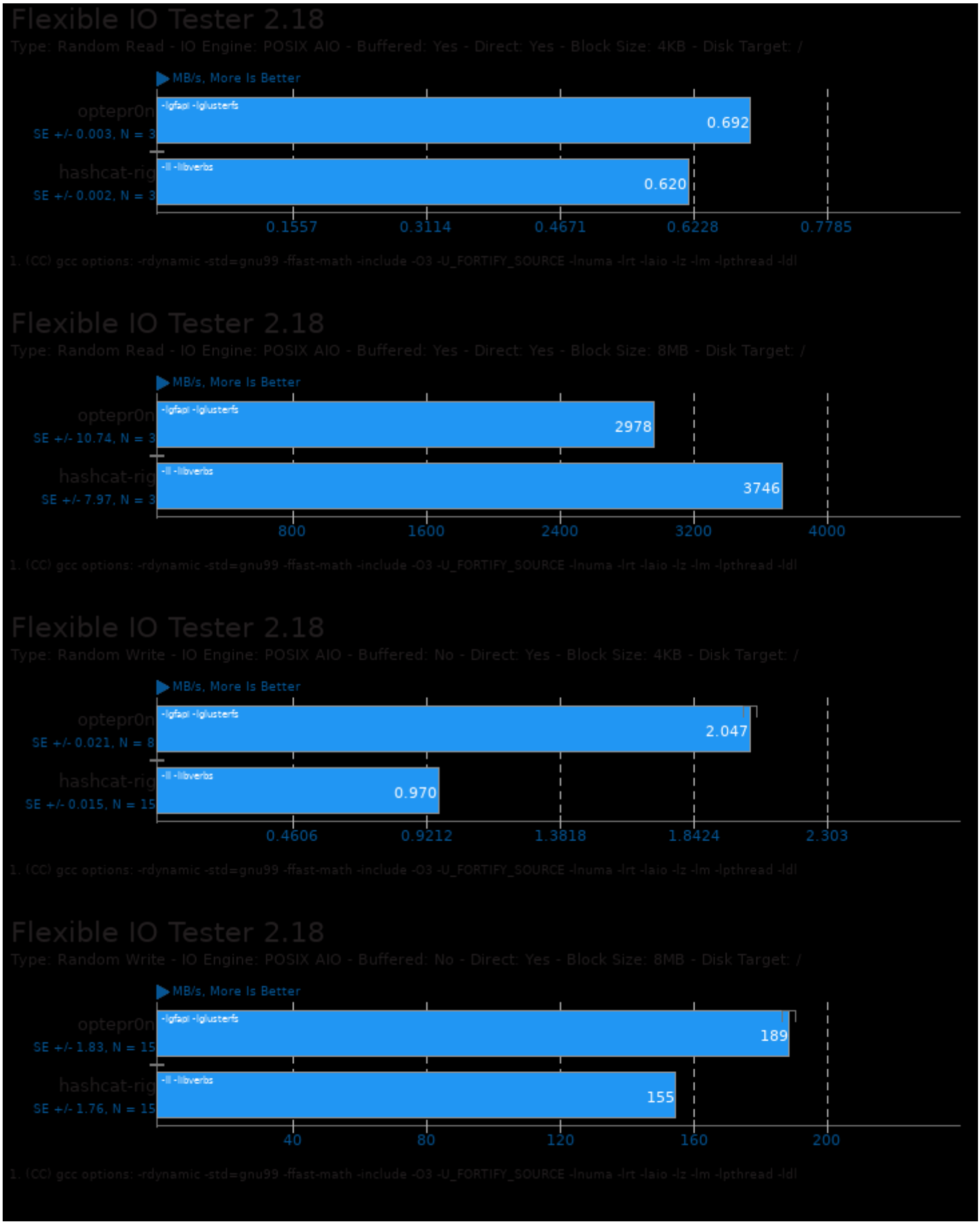
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 4KB (IOPS)	**197000**	**267000**
Normalized	73.78%	100%
Standard Deviation		2.3%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 8MB (MB/s)	**1788**	**2499**
Normalized	71.55%	100%
Standard Deviation	2.8%	1.2%
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 4KB (MB/s)	**76.3**	**73.70**
Normalized	100%	96.59%
Standard Deviation	5.3%	2.5%
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 4KB (IOPS)	**19440**	**18900**
Normalized	100%	97.22%
Standard Deviation	6.2%	2.3%
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 8MB (MB/s)	**278**	**216**
Normalized	100%	77.7%
Standard Deviation	6.7%	
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 4KB (MB/s)	**80.1**	**73.43**
Normalized	100%	91.67%
Standard Deviation	0.5%	2.9%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 4KB (IOPS)	**20500**	**18883**
Normalized	100%	92.11%
Standard Deviation	0.5%	3.1%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 8MB (MB/s)	**277**	**216**
Normalized	100%	77.98%
Standard Deviation	6.6%	
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 4KB (MB/s)	**1038**	**1296**
Normalized	80.09%	100%
Standard Deviation	0.4%	1.9%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 4KB (IOPS)	**265667**	**332000**
Normalized	80.02%	100%
Standard Deviation	0.6%	1.9%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 8MB (MB/s)	**2665**	**3776**
Normalized	70.58%	100%
Standard Deviation	4.6%	2.8%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 4KB (MB/s)	**56.6**	**69.04**
Normalized	81.98%	100%
Standard Deviation	2%	3.2%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 4KB (IOPS)	**14533**	**17693**
Normalized	82.14%	100%
Standard Deviation	1.7%	4.5%

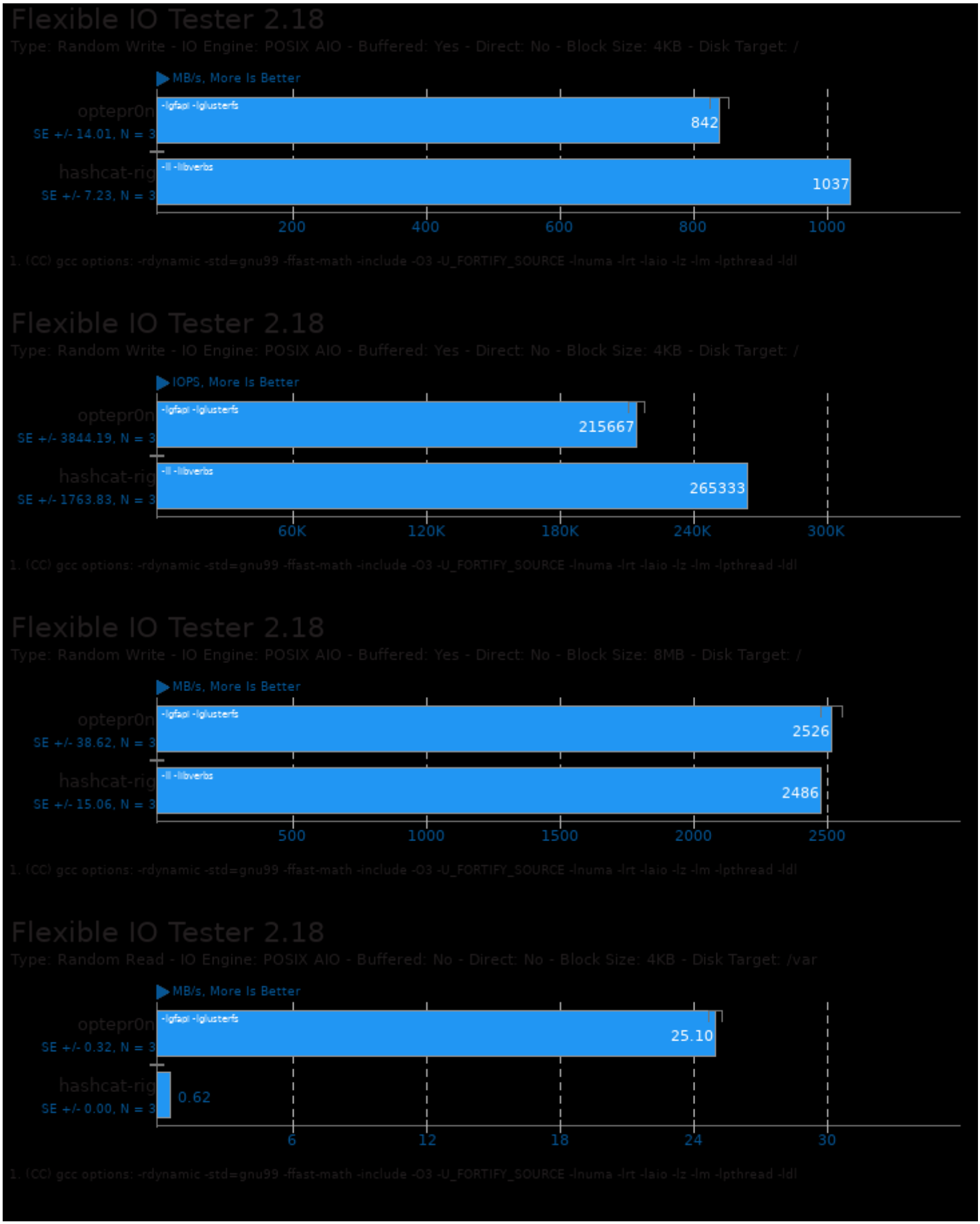
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 8MB (MB/s)	**159**	**200**
Normalized	79.5%	100%
Standard Deviation	32.1%	0.6%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 4KB (MB/s)	**1105**	**1312**
Normalized	84.22%	100%
Standard Deviation	5.4%	0.8%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 4KB (IOPS)	**282733**	**336000**
Normalized	84.15%	100%
Standard Deviation	5.4%	0.8%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 8MB (MB/s)	**2891**	**3846**
Normalized	75.17%	100%
Standard Deviation	1.5%	0.6%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 4KB (MB/s)	**54.2**	**69.03**
Normalized	78.52%	100%
Standard Deviation	15.3%	2.1%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 4KB (IOPS)	**14364**	**17700**
Normalized	81.15%	100%
Standard Deviation	4.4%	2%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 8MB (MB/s)	**161**	**201**
Normalized	80.1%	100%
Standard Deviation	22%	0.6%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 4KB (MB/s)	**772**	**1079**
Normalized	71.55%	100%
Standard Deviation	5.7%	1.1%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 4KB (IOPS)	**197533**	**276000**
Normalized	71.57%	100%
Standard Deviation	5.7%	1.1%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 8MB (MB/s)	**1804**	**2478**
Normalized	72.8%	100%
Standard Deviation	6%	2.4%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 4KB (MB/s)	**771**	**1056**
Normalized	73.01%	100%
Standard Deviation	2.9%	2.1%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 4KB (IOPS)	**197154**	**270667**
Normalized	72.84%	100%
Standard Deviation	2.9%	2.1%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 8MB (MB/s)	**1919**	**2475**
Normalized	77.54%	100%
Standard Deviation	0.4%	0.4%

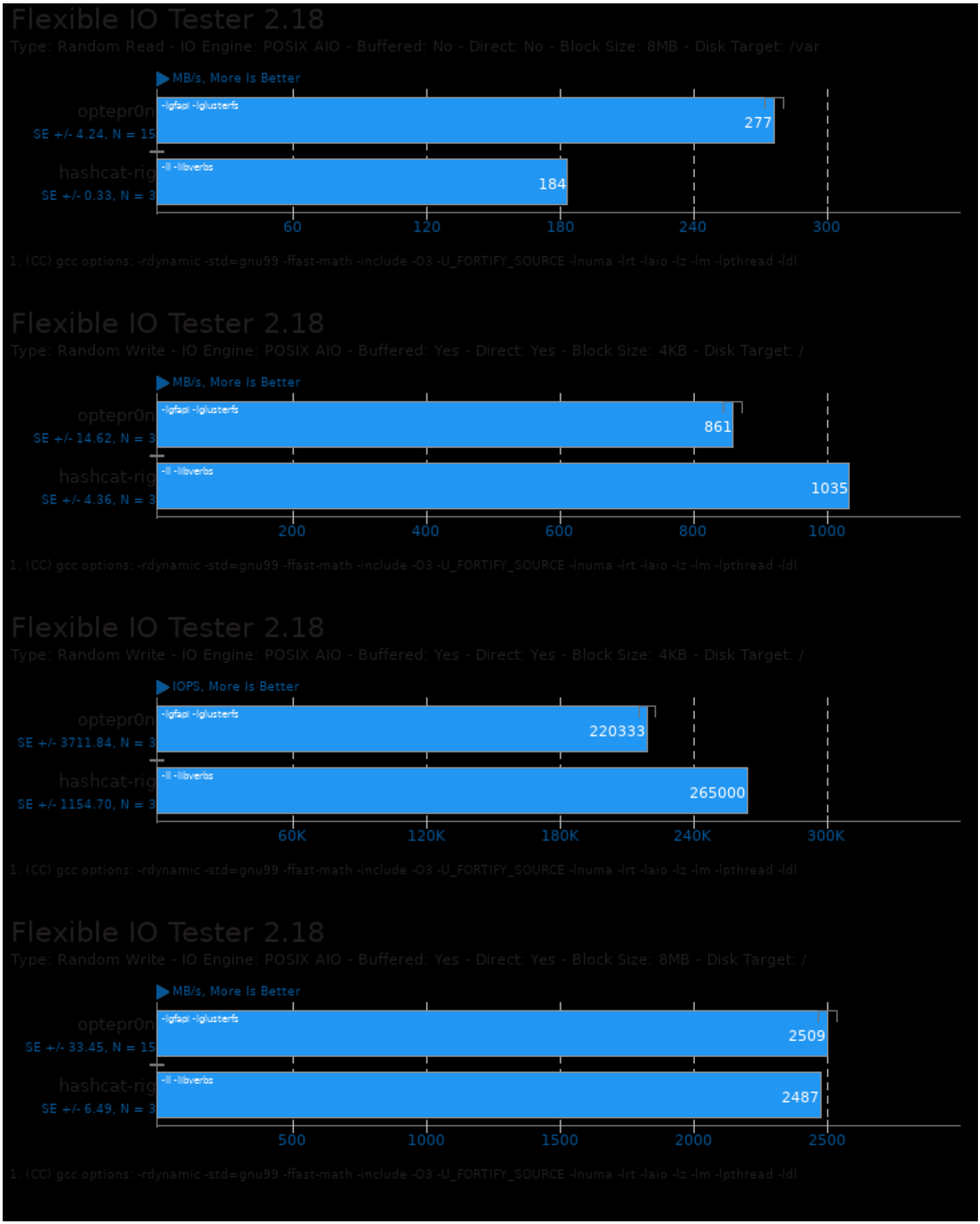
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 4KB - / (IOPS)	18600
Standard Deviation	1.4%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 4KB - / (IOPS)	18450
Standard Deviation	4.3%

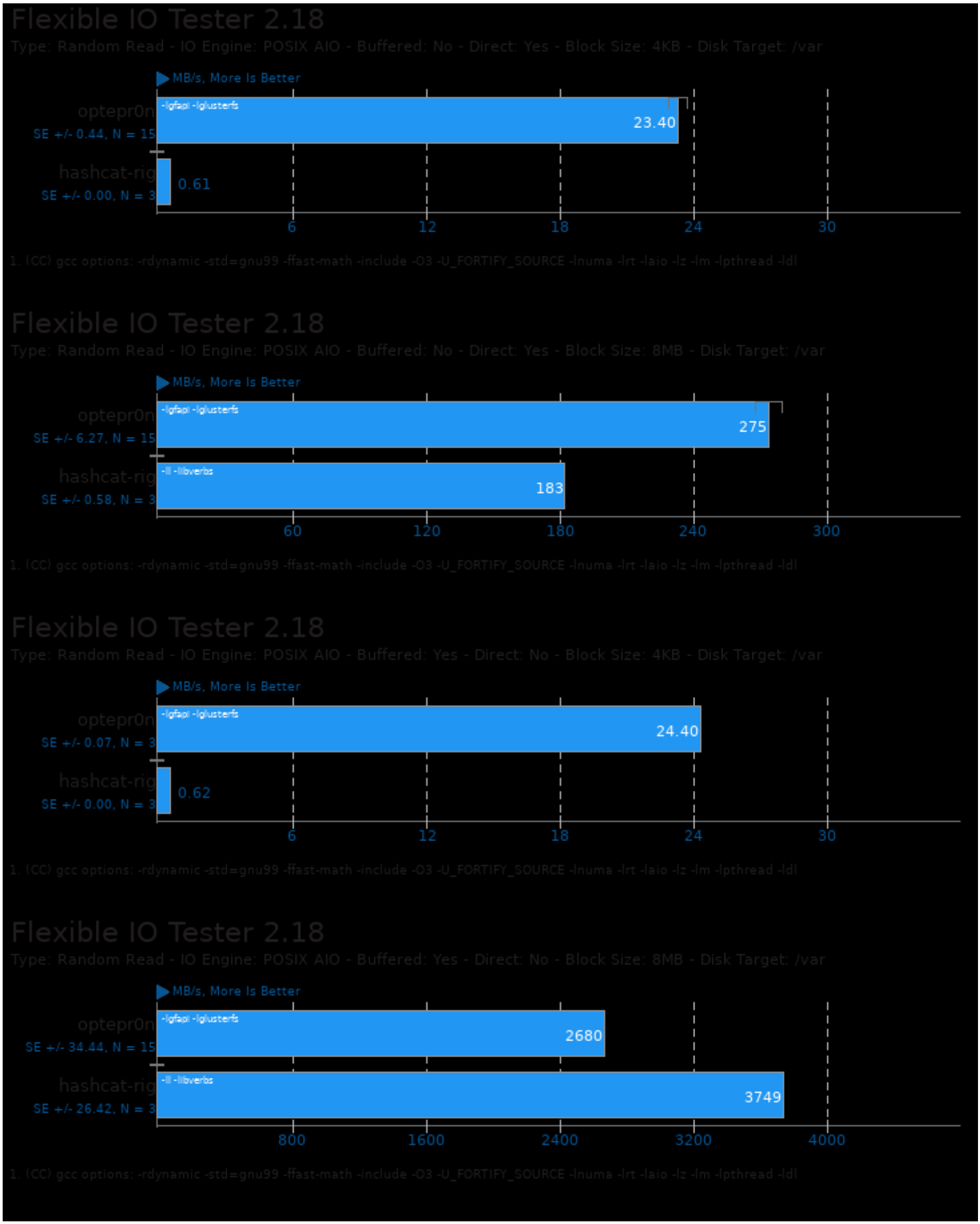

Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.004, N = 3
-lgfapi -lglusterfs
0.694
hashcat-rig
SE +/- 0.005, N = 3
-lll -llibverbs
0.620
0.1562
0.3124
0.4686
0.6248
0.781
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.67, N = 3
-lgfapi -lglusterfs
276
hashcat-rig
-lll -llibverbs
184
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.003, N = 3
-lgfapi -lglusterfs
0.690
hashcat-rig
SE +/- 0.005, N = 3
-lll -llibverbs
0.620
0.1553
0.3106
0.4659
0.6212
0.7765
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 2.19, N = 3
-lgfapi -lglusterfs
273
hashcat-rig
-lll -llibverbs
184
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

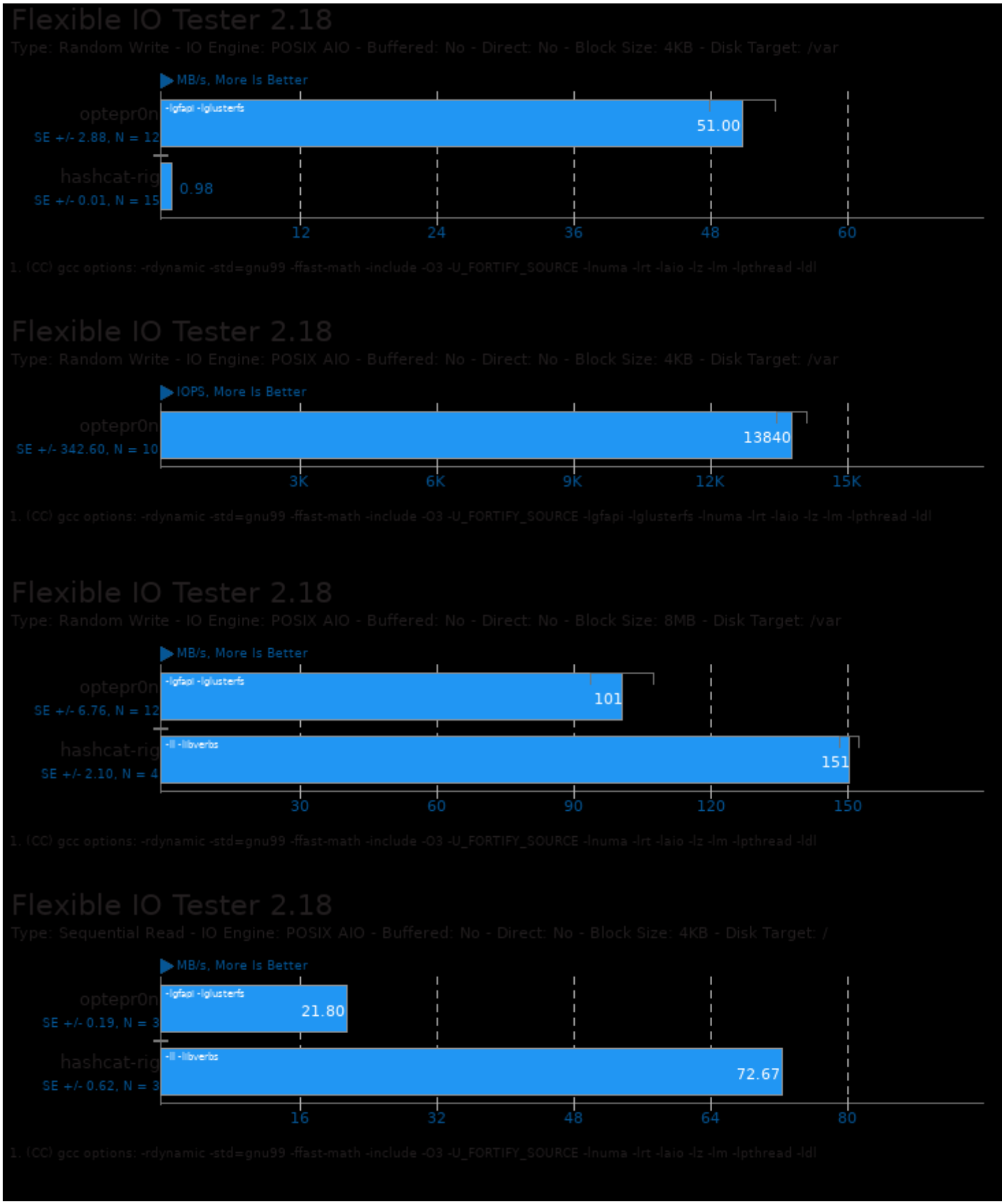

Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.003, N = 3
-lgfapi -lglusterfs
0.694
hashcat-rig
SE +/- 0.004, N = 3
-lll -llibverbs
0.620
0.1562
0.3124
0.4686
0.6248
0.781
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 29.01, N = 15
-lgfapi -lglusterfs
2864
hashcat-rig
SE +/- 18.82, N = 3
-lll -llibverbs
3739
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.026, N = 5
-lgfapi -lglusterfs
2.030
hashcat-rig
SE +/- 0.017, N = 15
-lll -llibverbs
0.960
0.4568
0.9136
1.3704
1.8272
2.284
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
193
hashcat-rig
SE +/- 1.86, N = 3
-lll -llibverbs
167
40
80
120
160
200
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.003, N = 3
-lgfapi -lglusterfs
0.692
hashcat-rig
SE +/- 0.002, N = 3
-lll -llibverbs
0.620
0.1557
0.3114
0.4671
0.6228
0.7785
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 10.74, N = 3
-lgfapi -lglusterfs
2978
hashcat-rig
SE +/- 7.97, N = 3
-lll -llibverbs
3746
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.021, N = 8
-lgfapi -lglusterfs
2.047
hashcat-rig
SE +/- 0.015, N = 15
-lll -llibverbs
0.970
0.4606
0.9212
1.3818
1.8424
2.303
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 1.83, N = 15
-lgfapi -lglusterfs
189
hashcat-rig
SE +/- 1.76, N = 15
-lll -llibverbs
155
40
80
120
160
200
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 14.01, N = 3
-lgfapi -lglusterfs
842
hashcat-rig
SE +/- 7.23, N = 3
-lll -llibverbs
1037
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /
IOPS, More Is Better
optepr0n
SE +/- 3844.19, N = 3
-lgfapi -lglusterfs
215667
hashcat-rig
SE +/- 1763.83, N = 3
-lll -llibverbs
265333
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 38.62, N = 3
-lgfapi -lglusterfs
2526
hashcat-rig
SE +/- 15.06, N = 3
-lll -llibverbs
2486
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 0.32, N = 3
-lgfapi -lglusterfs
25.10
hashcat-rig
SE +/- 0.00, N = 3
0.62
6
12
18
24
30
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

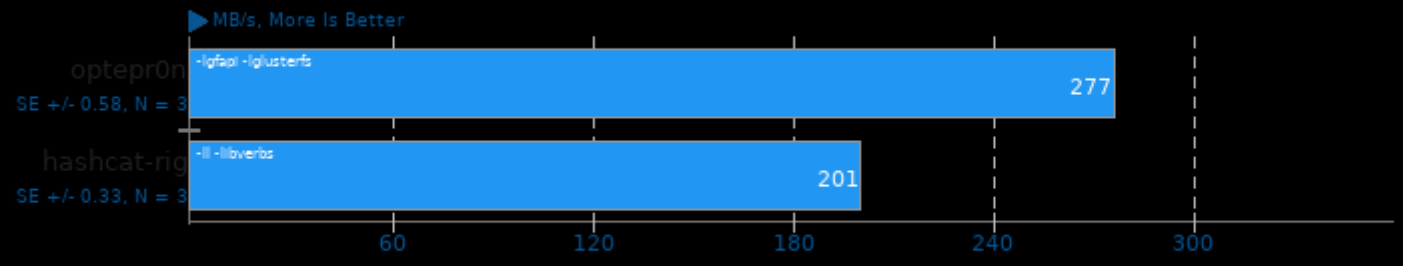

Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 4.24, N = 15
-lgfapi -lglusterfs
277
hashcat-rig
SE +/- 0.33, N = 3
-ll -libverbs
184
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 14.62, N = 3
-lgfapi -lglusterfs
861
hashcat-rig
SE +/- 4.36, N = 3
-ll -libverbs
1035
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /
IOPS, More Is Better
optepr0n
SE +/- 3711.84, N = 3
-lgfapi -lglusterfs
220333
hashcat-rig
SE +/- 1154.70, N = 3
-ll -libverbs
265000
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 33.45, N = 15
-lgfapi -lglusterfs
2509
hashcat-rig
SE +/- 6.49, N = 3
-ll -libverbs
2487
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 0.44, N = 15
-lgfapi -lglusterfs
23.40
hashcat-rig
SE +/- 0.00, N = 3
0.61
6
12
18
24
30
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 6.27, N = 15
-lgfapi -lglusterfs
275
hashcat-rig
SE +/- 0.58, N = 3
-lll -libverbs
183
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 0.07, N = 3
-lgfapi -lglusterfs
24.40
hashcat-rig
SE +/- 0.00, N = 3
0.62
6
12
18
24
30
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 34.44, N = 15
-lgfapi -lglusterfs
2680
hashcat-rig
SE +/- 26.42, N = 3
-lll -libverbs
3749
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 2.88, N = 12
-lgfapi -lglusterfs
51.00
hashcat-rig
SE +/- 0.01, N = 15
0.98
12
24
36
48
60
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 342.60, N = 10
13840
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lgfapi -lglusterfs -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 6.76, N = 12
-lgfapi -lglusterfs
101
hashcat-rig
SE +/- 2.10, N = 4
-ll -libverbs
151
30
60
90
120
150
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.19, N = 3
-lgfapi -lglusterfs
21.80
hashcat-rig
SE +/- 0.62, N = 3
-ll -libverbs
72.67
16
32
48
64
80
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

Flexible IO Tester 2.18

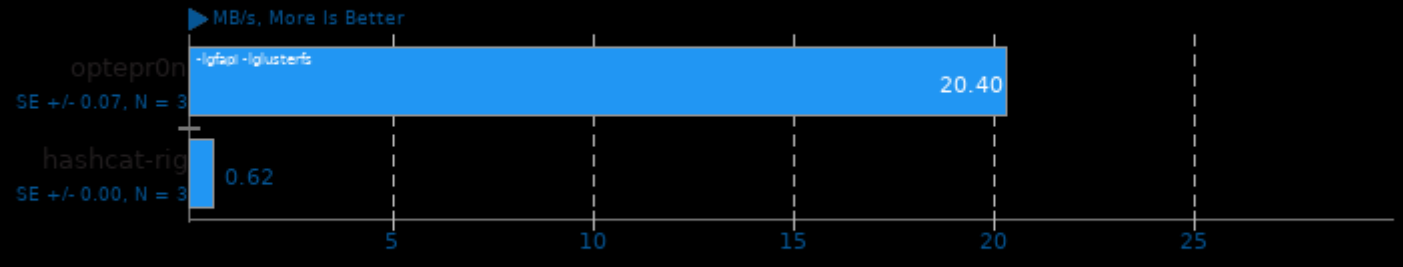
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: /



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

Flexible IO Tester 2.18

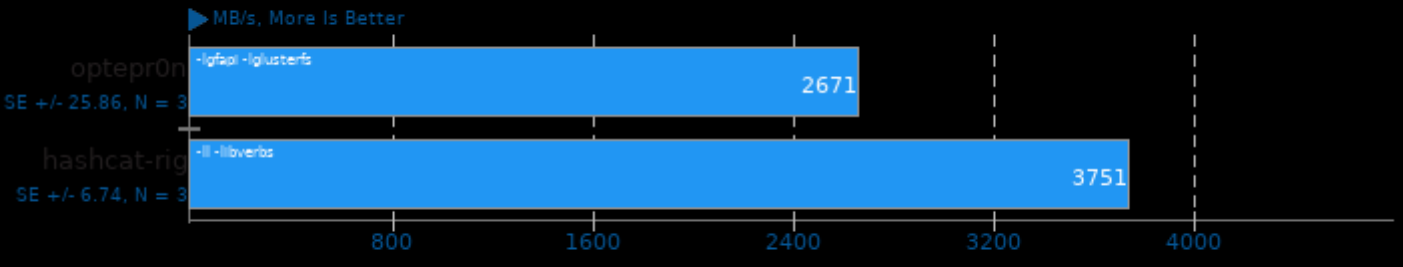
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /var



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

Flexible IO Tester 2.18

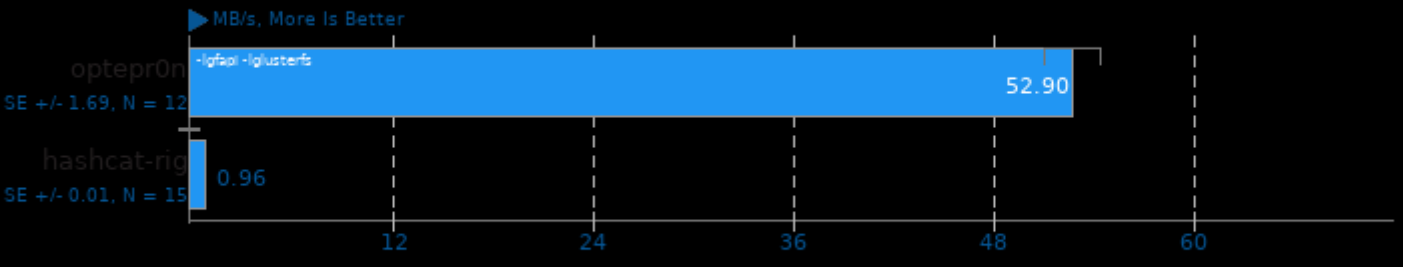
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: /var



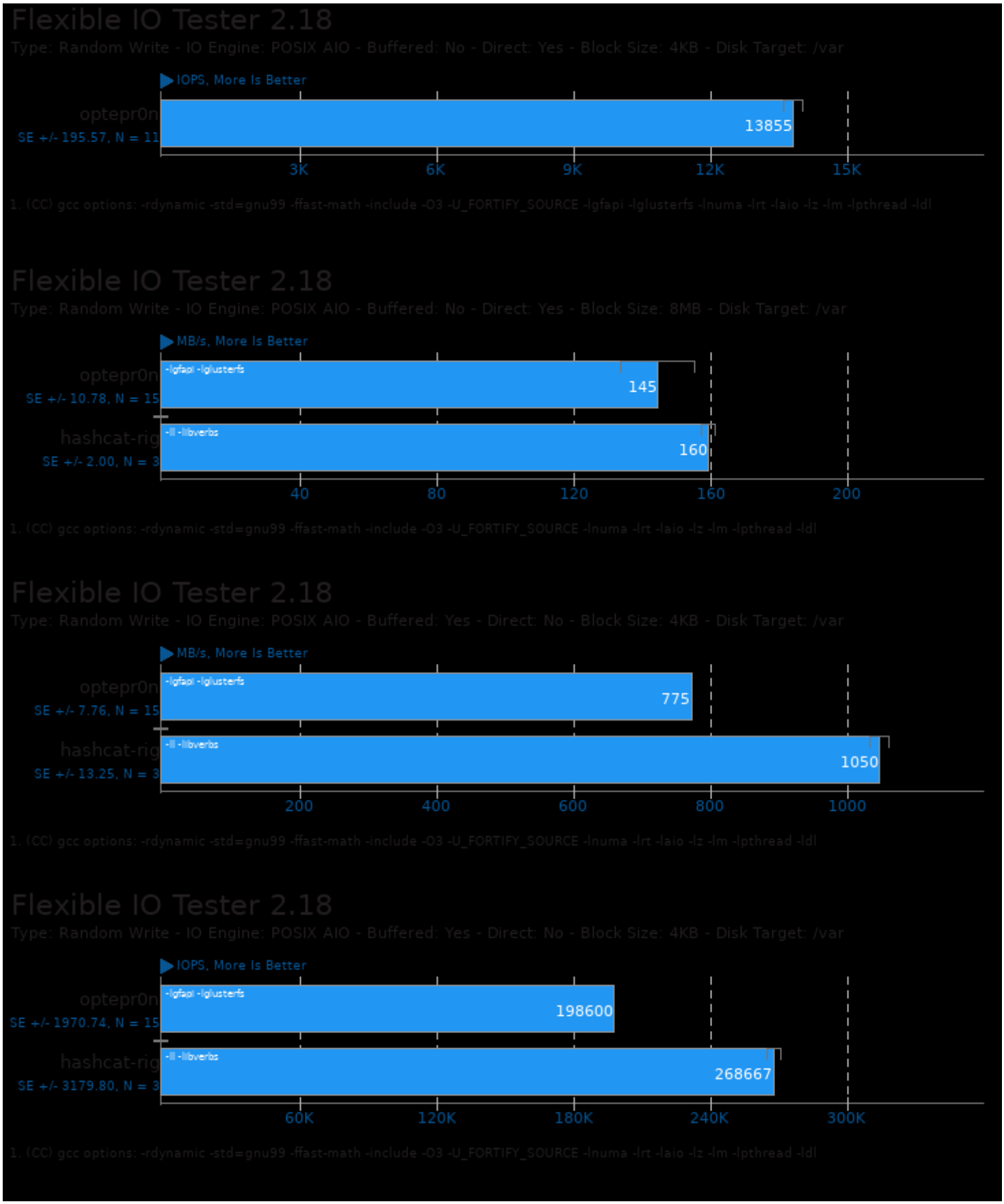
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

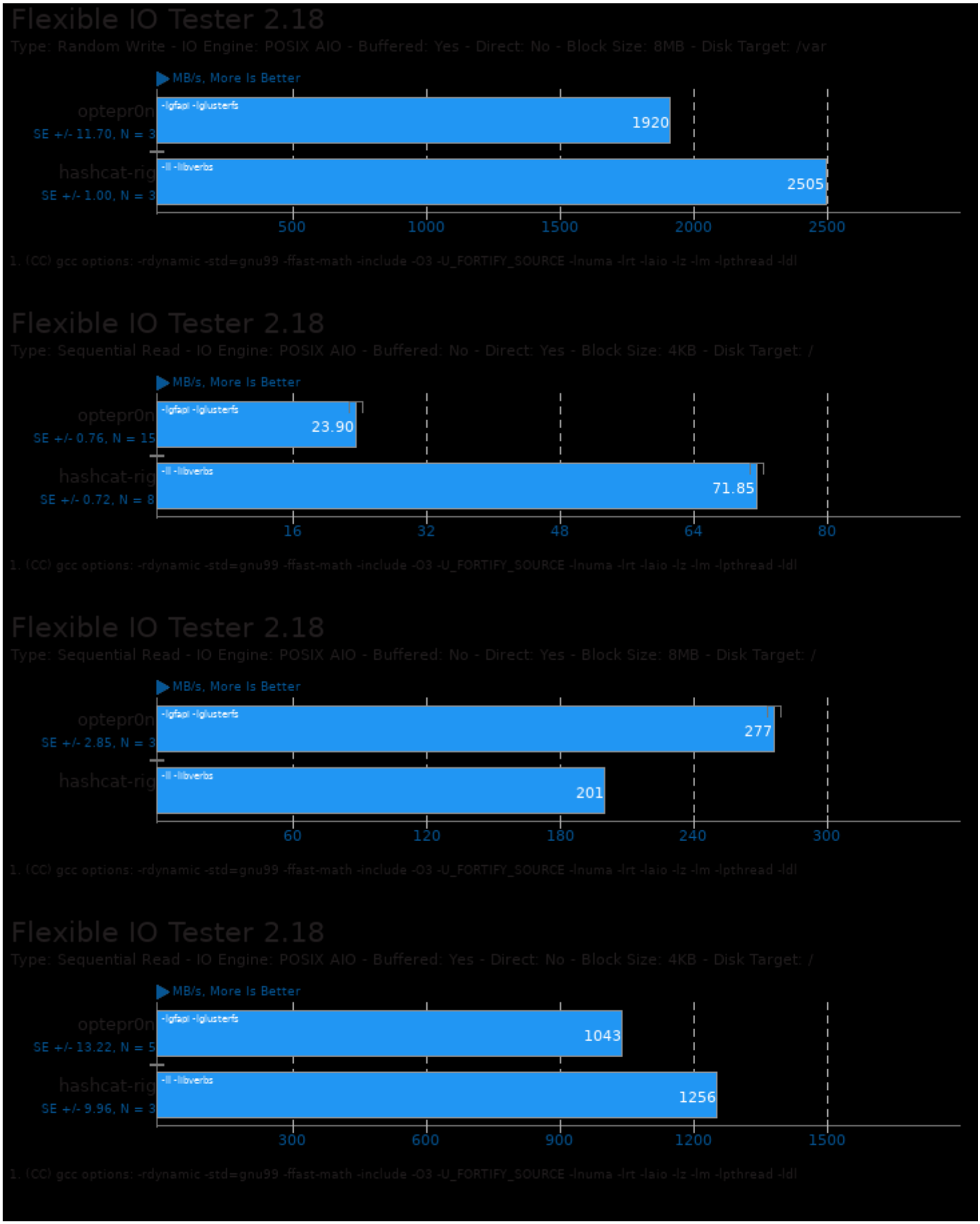
Flexible IO Tester 2.18

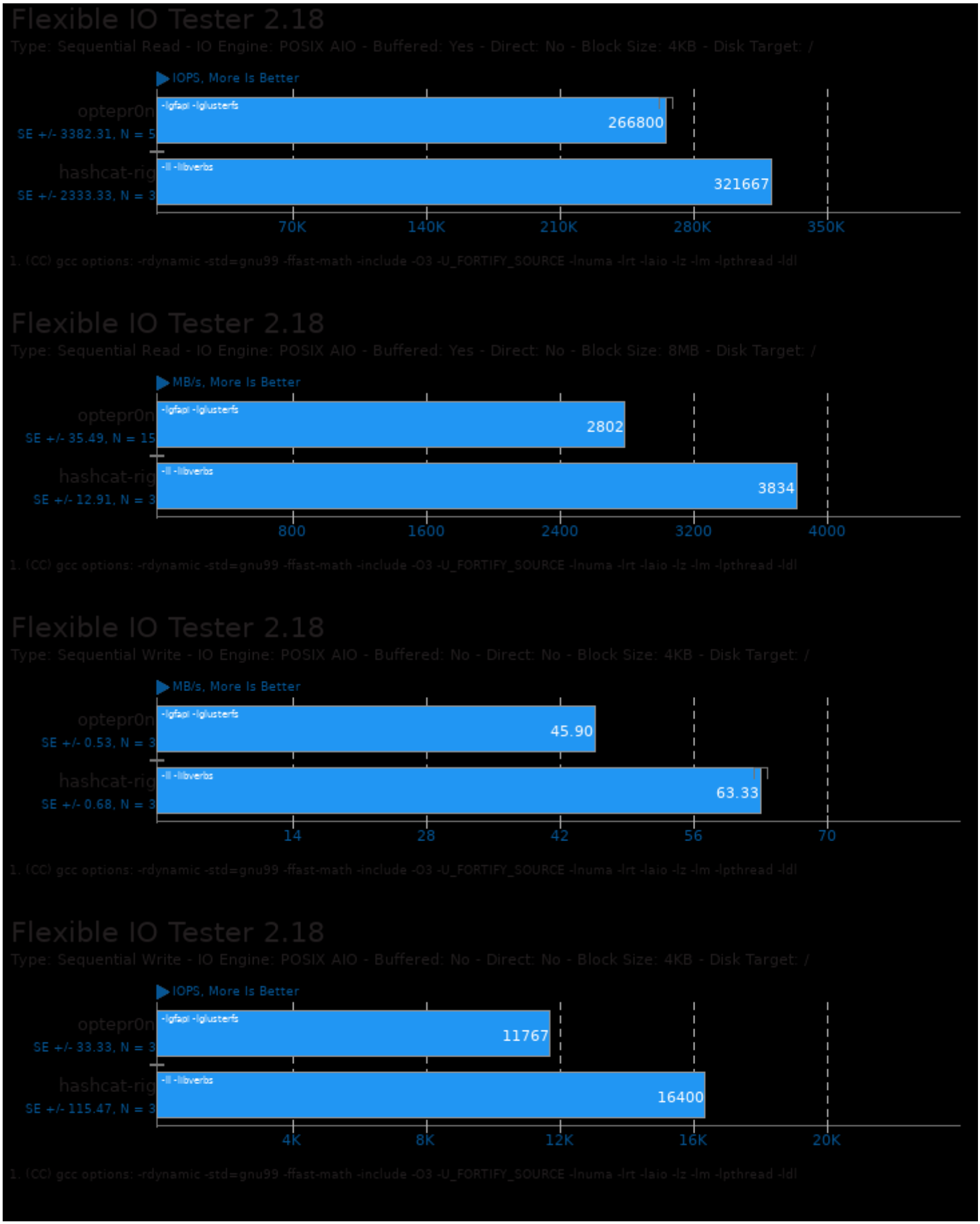
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /var

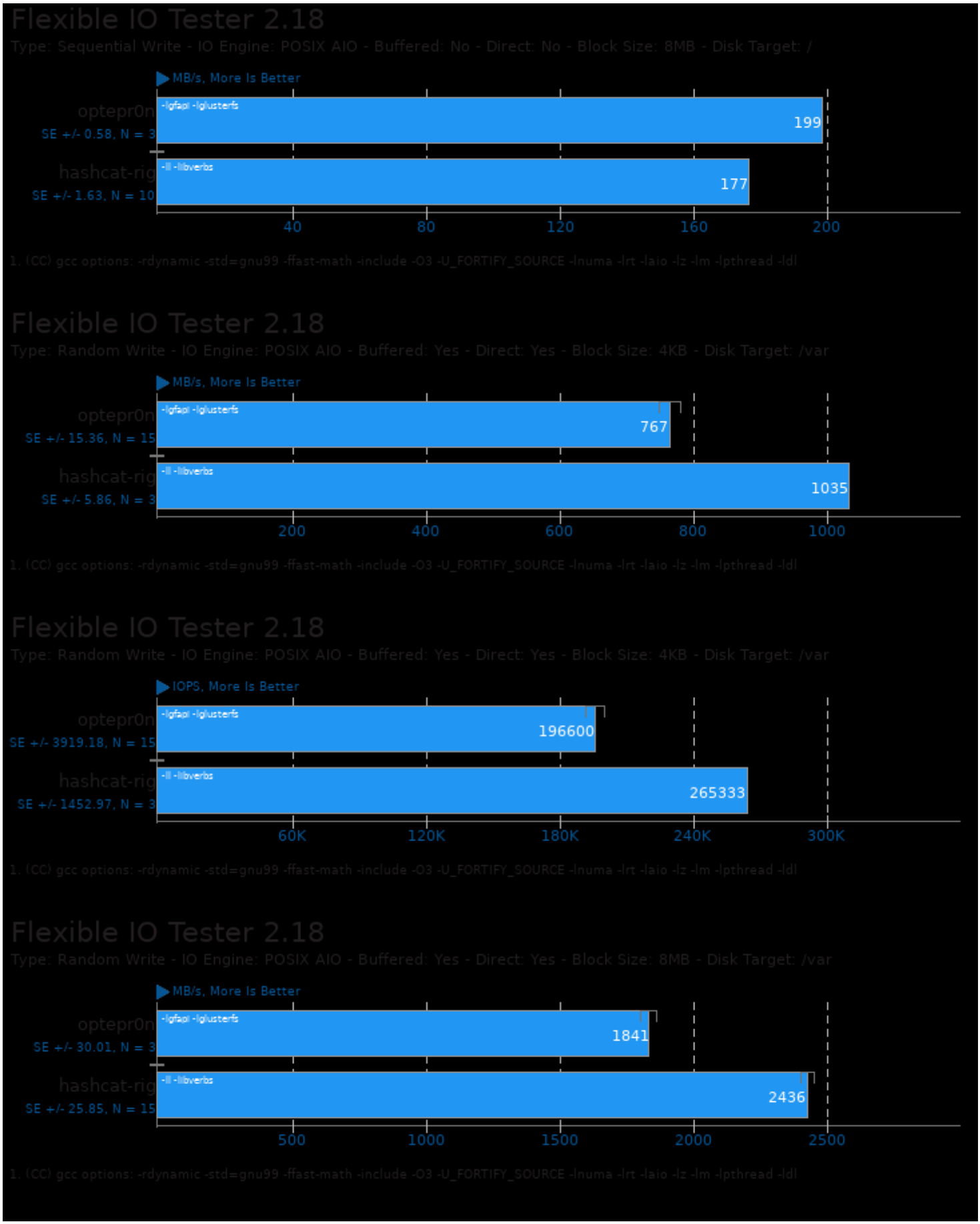


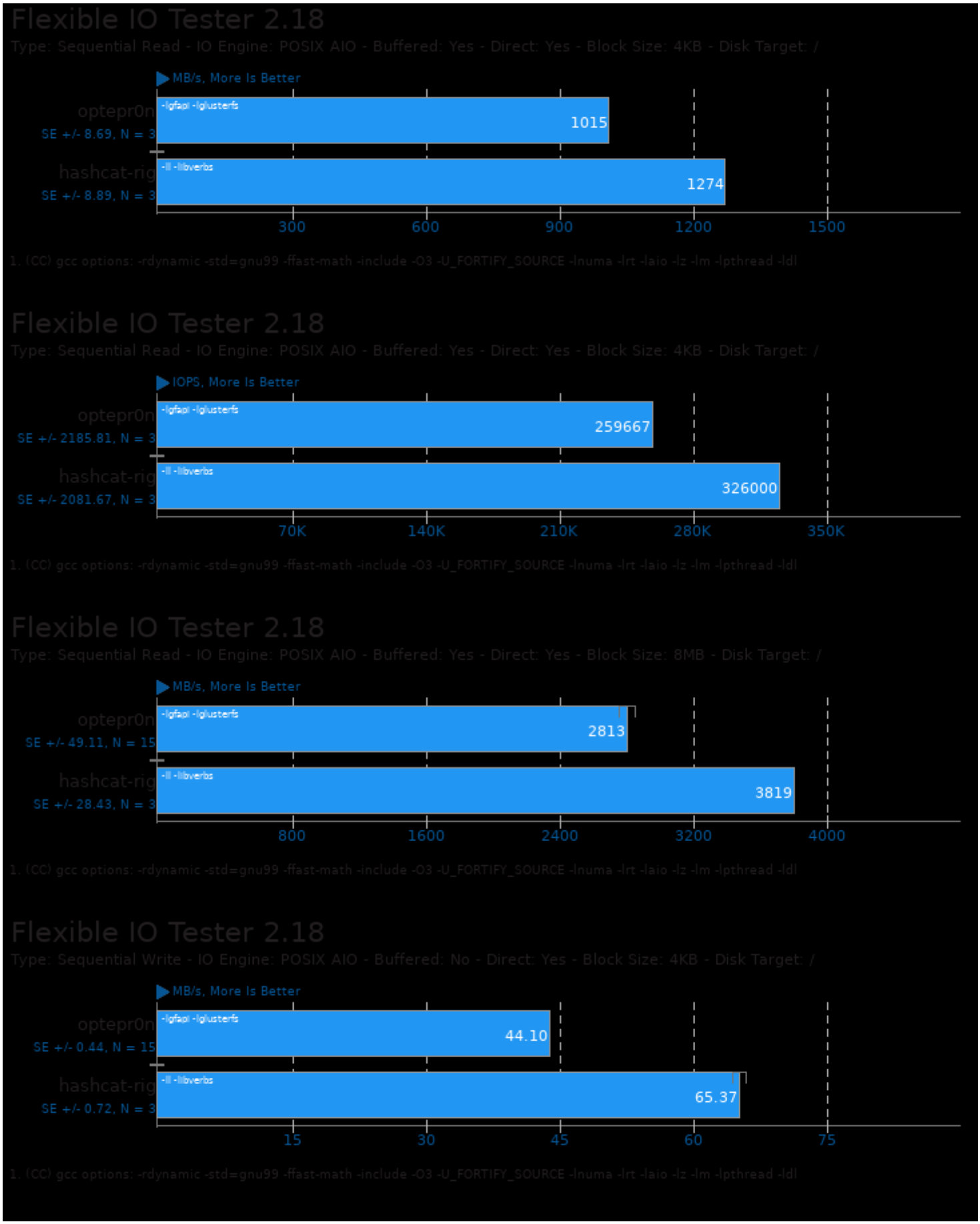
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

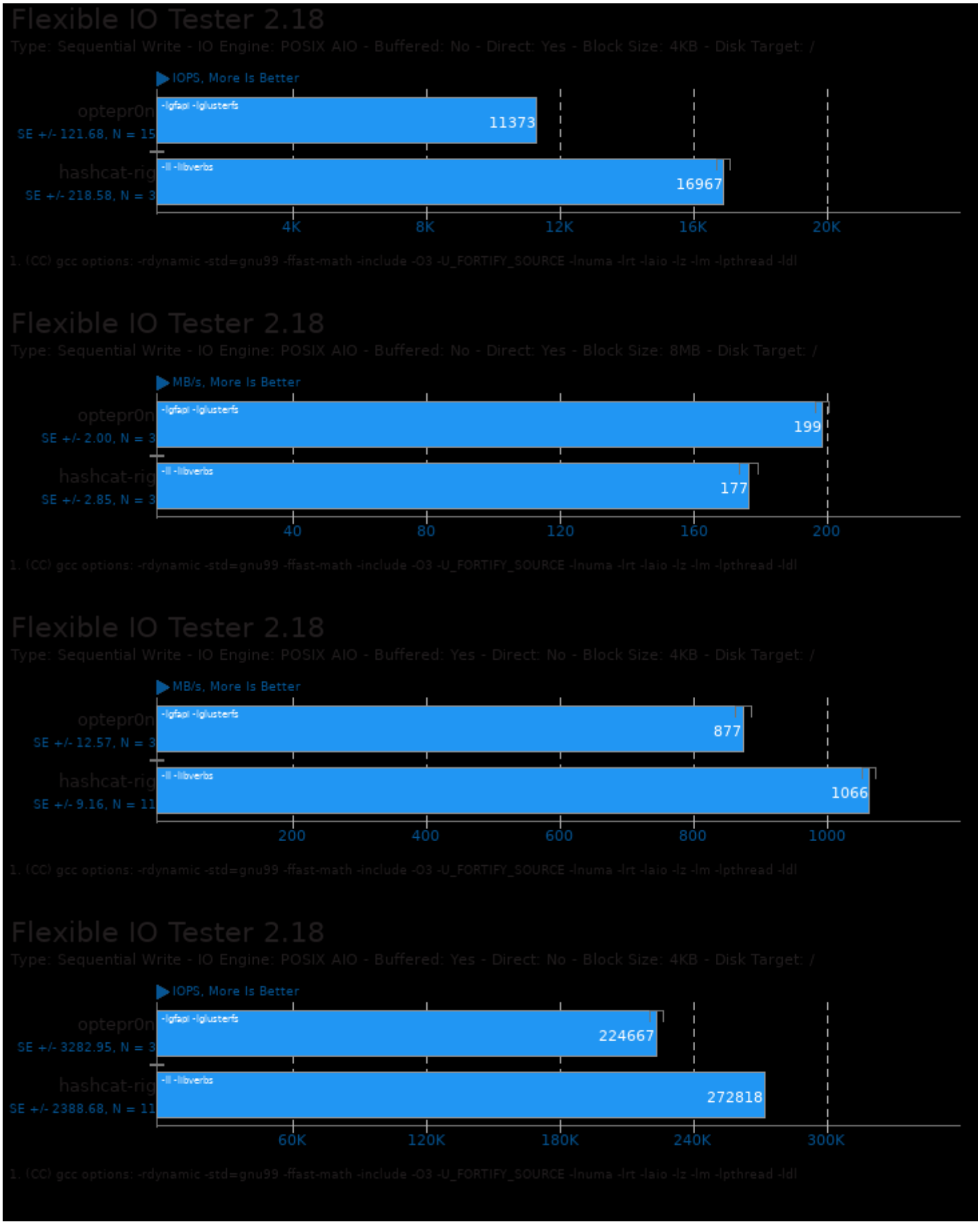

Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 195.57, N = 11
13855
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lgfapi -lglusterfs -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 10.78, N = 15
-lgfapi -lglusterfs
145
hashcat-rig
SE +/- 2.00, N = 3
-ll -libverbs
160
40
80
120
160
200
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 7.76, N = 15
-lgfapi -lglusterfs
775
hashcat-rig
SE +/- 13.25, N = 3
-ll -libverbs
1050
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 1970.74, N = 15
-lgfapi -lglusterfs
198600
hashcat-rig
SE +/- 3179.80, N = 3
-ll -libverbs
268667
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

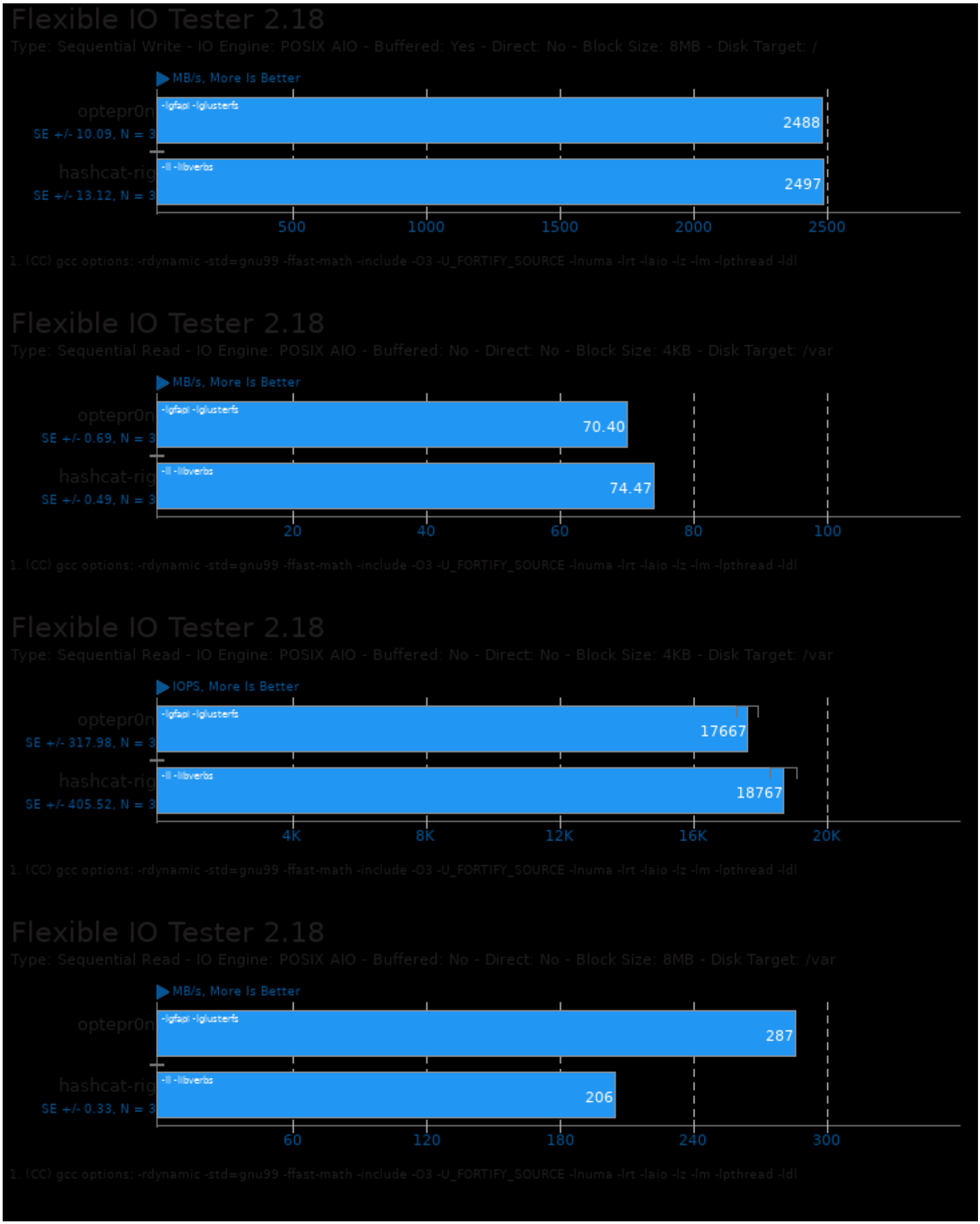

Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 11.70, N = 3
-lgfapi -lglusterfs
1920
hashcat-rig
SE +/- 1.00, N = 3
-lll -llibverbs
2505
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.76, N = 15
-lgfapi -lglusterfs
23.90
hashcat-rig
SE +/- 0.72, N = 8
-lll -llibverbs
71.85
16
32
48
64
80
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 2.85, N = 3
-lgfapi -lglusterfs
277
hashcat-rig
-lll -llibverbs
201
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 13.22, N = 5
-lgfapi -lglusterfs
1043
hashcat-rig
SE +/- 9.96, N = 3
-lll -llibverbs
1256
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

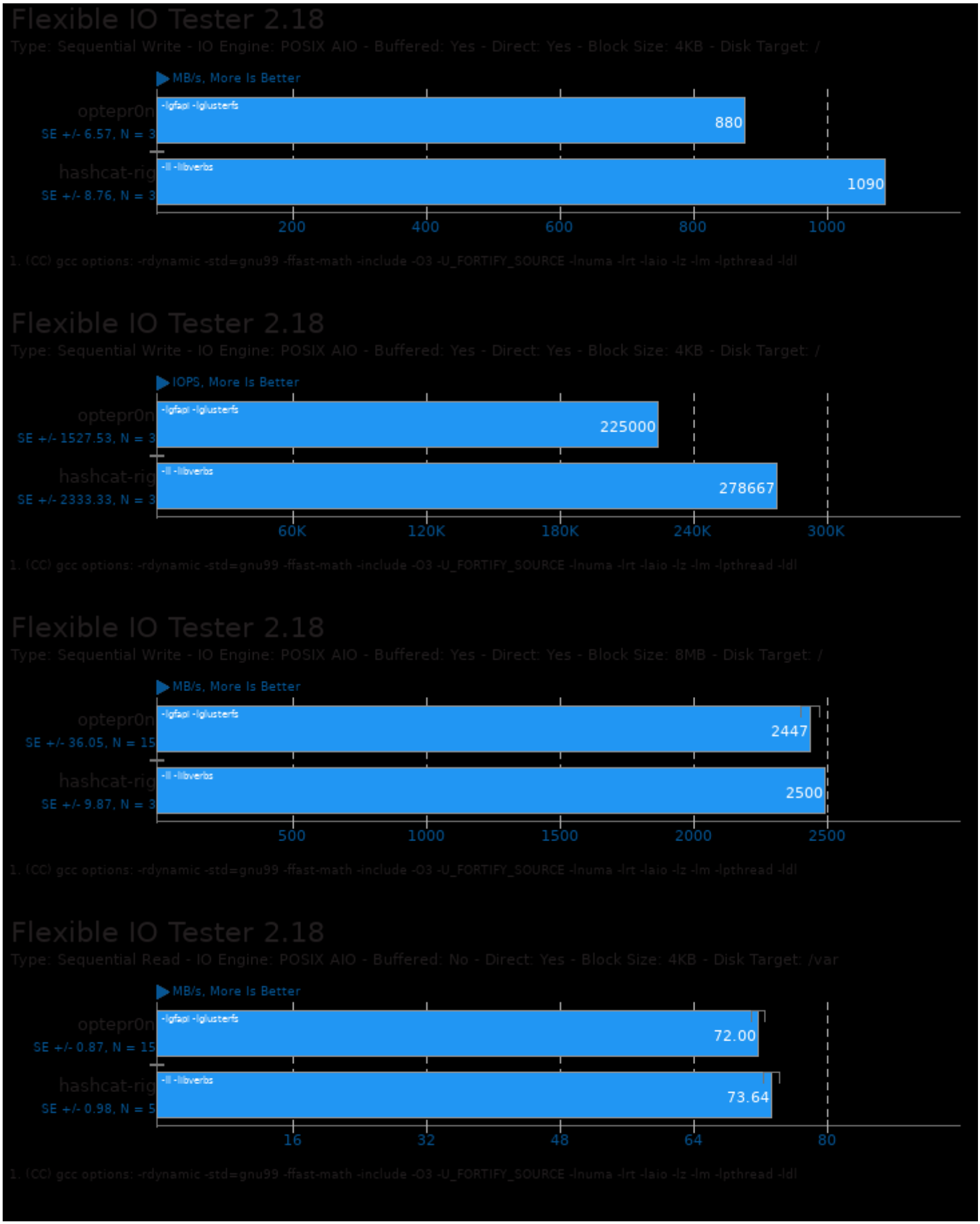

Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /
IOPS, More Is Better
optepr0n
SE +/- 3382.31, N = 5
-lgfapi -lglusterfs
266800
hashcat-rig
SE +/- 2333.33, N = 3
-lll -libverbs
321667
70K
140K
210K
280K
350K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 35.49, N = 15
-lgfapi -lglusterfs
2802
hashcat-rig
SE +/- 12.91, N = 3
-lll -libverbs
3834
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.53, N = 3
-lgfapi -lglusterfs
45.90
hashcat-rig
SE +/- 0.68, N = 3
-lll -libverbs
63.33
14
28
42
56
70
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /
IOPS, More Is Better
optepr0n
SE +/- 33.33, N = 3
-lgfapi -lglusterfs
11767
hashcat-rig
SE +/- 115.47, N = 3
-lll -libverbs
16400
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

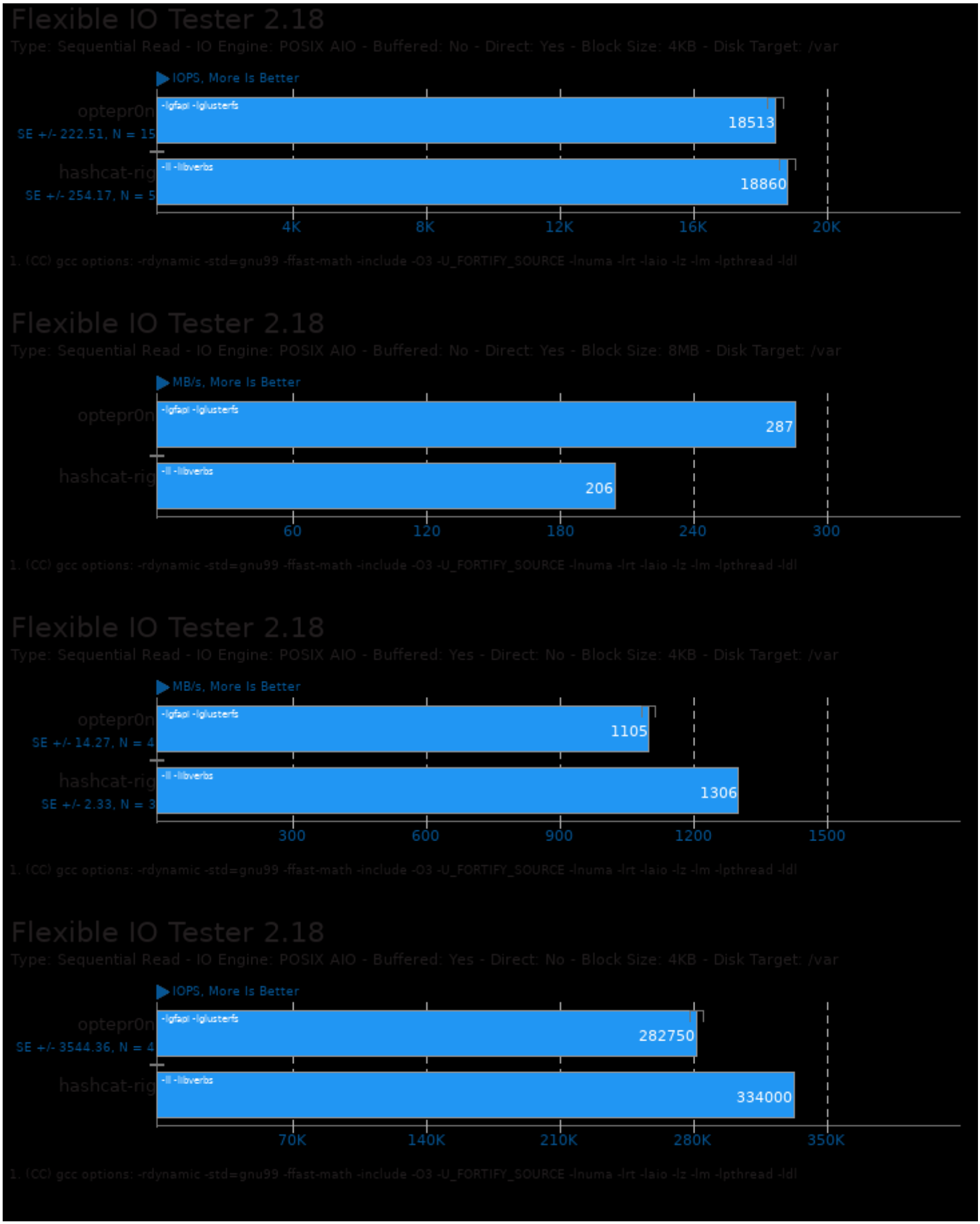

Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.58, N = 3
-lgfapi -lglusterfs
199
hashcat-rig
SE +/- 1.63, N = 10
-lll -llibverbs
177
40
80
120
160
200
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 15.36, N = 15
-lgfapi -lglusterfs
767
hashcat-rig
SE +/- 5.86, N = 3
-lll -llibverbs
1035
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 3919.18, N = 15
-lgfapi -lglusterfs
196600
hashcat-rig
SE +/- 1452.97, N = 3
-lll -llibverbs
265333
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 30.01, N = 3
-lgfapi -lglusterfs
1841
hashcat-rig
SE +/- 25.85, N = 15
-lll -llibverbs
2436
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

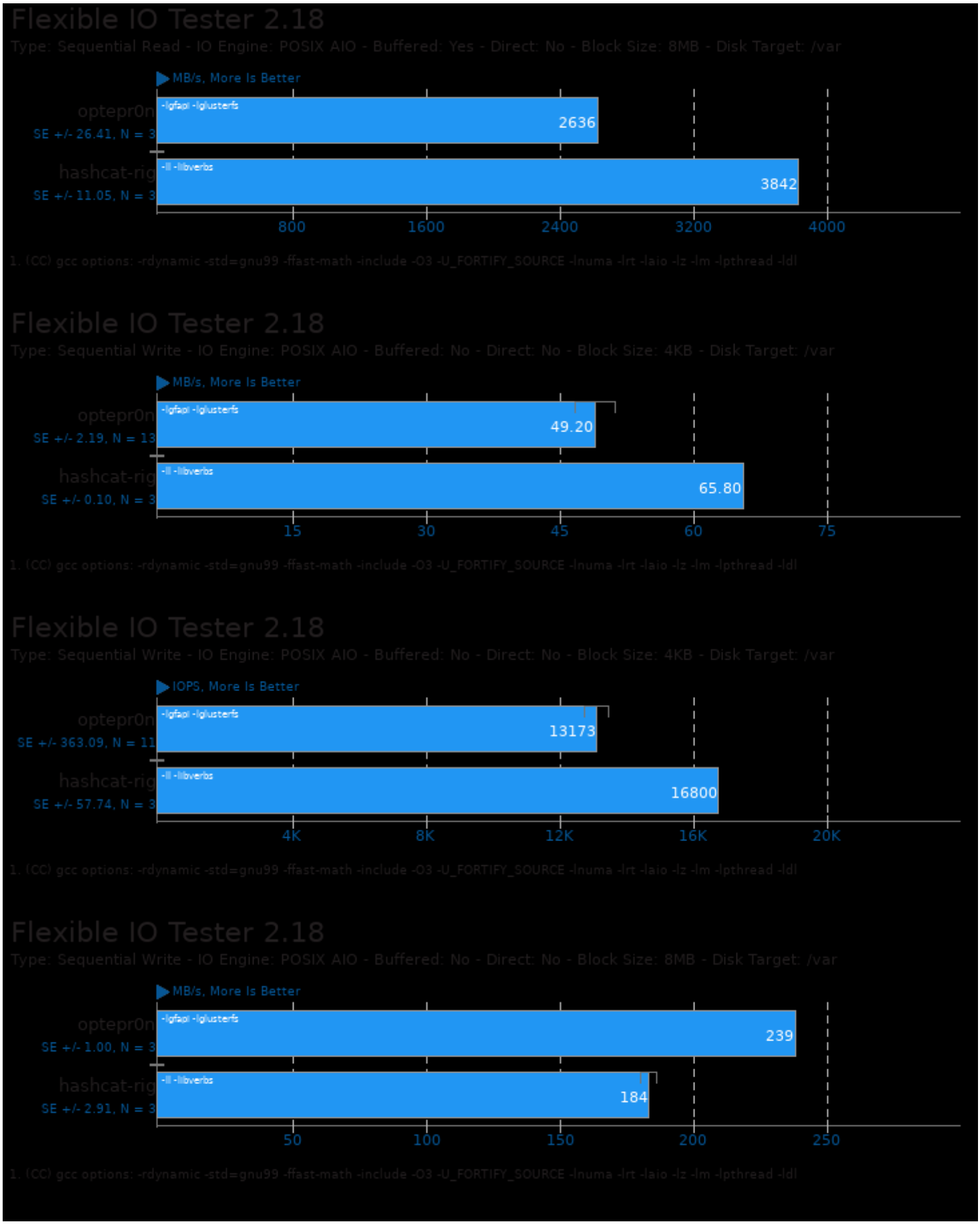

Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 8.69, N = 3
-lgfapi -lglusterfs
1015
hashcat-rig
SE +/- 8.89, N = 3
-lll -llibverbs
1274
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /
IOPS, More Is Better
optepr0n
SE +/- 2185.81, N = 3
-lgfapi -lglusterfs
259667
hashcat-rig
SE +/- 2081.67, N = 3
-lll -llibverbs
326000
70K
140K
210K
280K
350K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 49.11, N = 15
-lgfapi -lglusterfs
2813
hashcat-rig
SE +/- 28.43, N = 3
-lll -llibverbs
3819
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 0.44, N = 15
-lgfapi -lglusterfs
44.10
hashcat-rig
SE +/- 0.72, N = 3
-lll -llibverbs
65.37
15
30
45
60
75
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

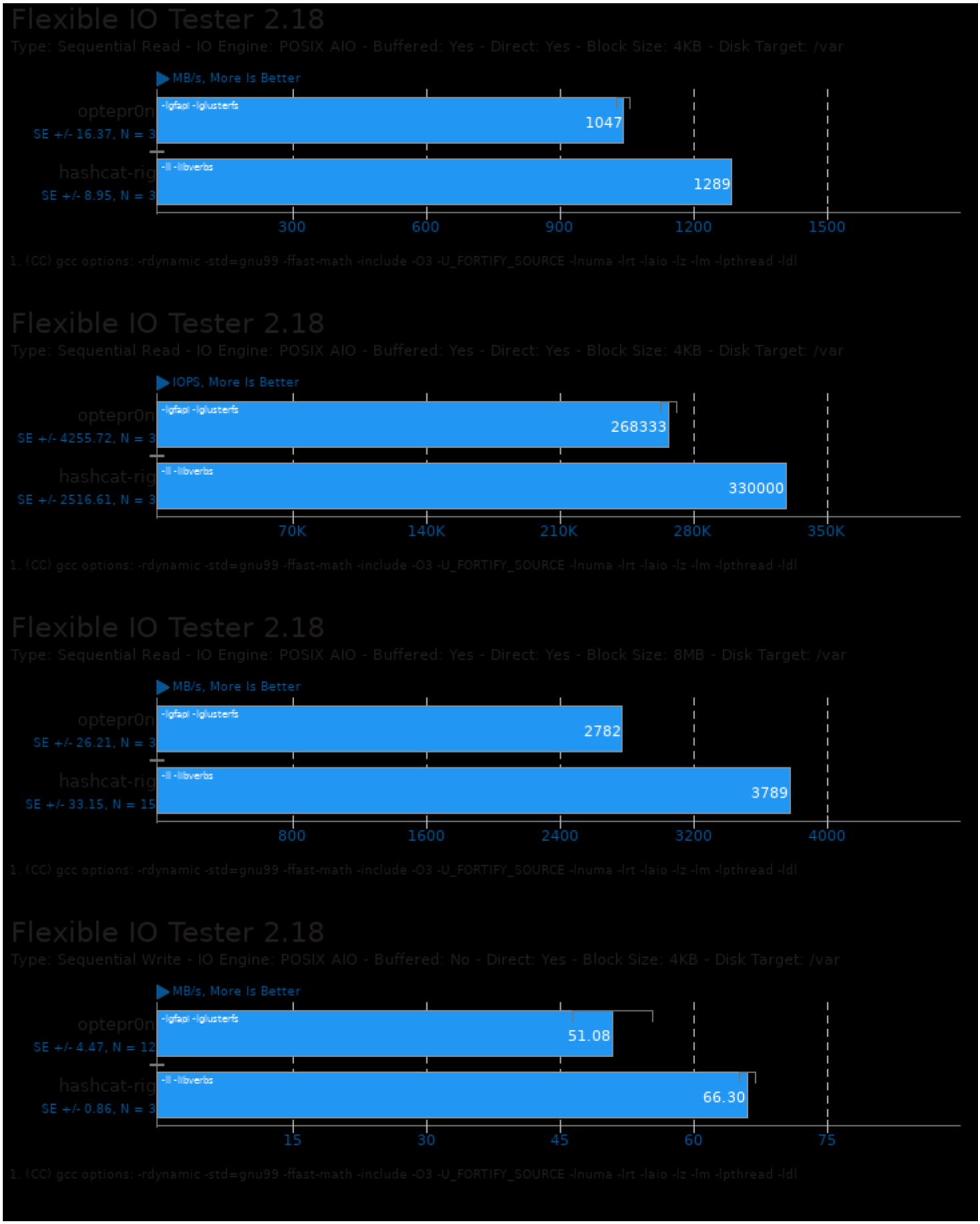

Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /
IOPS, More Is Better
optepr0n
SE +/- 121.68, N = 15
-lgfapi -lglusterfs
11373
hashcat-rig
SE +/- 218.58, N = 3
-lll -llibverbs
16967
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 2.00, N = 3
-lgfapi -lglusterfs
199
hashcat-rig
SE +/- 2.85, N = 3
-lll -llibverbs
177
40
80
120
160
200
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 12.57, N = 3
-lgfapi -lglusterfs
877
hashcat-rig
SE +/- 9.16, N = 11
-lll -llibverbs
1066
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /
IOPS, More Is Better
optepr0n
SE +/- 3282.95, N = 3
-lgfapi -lglusterfs
224667
hashcat-rig
SE +/- 2388.68, N = 11
-lll -llibverbs
272818
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

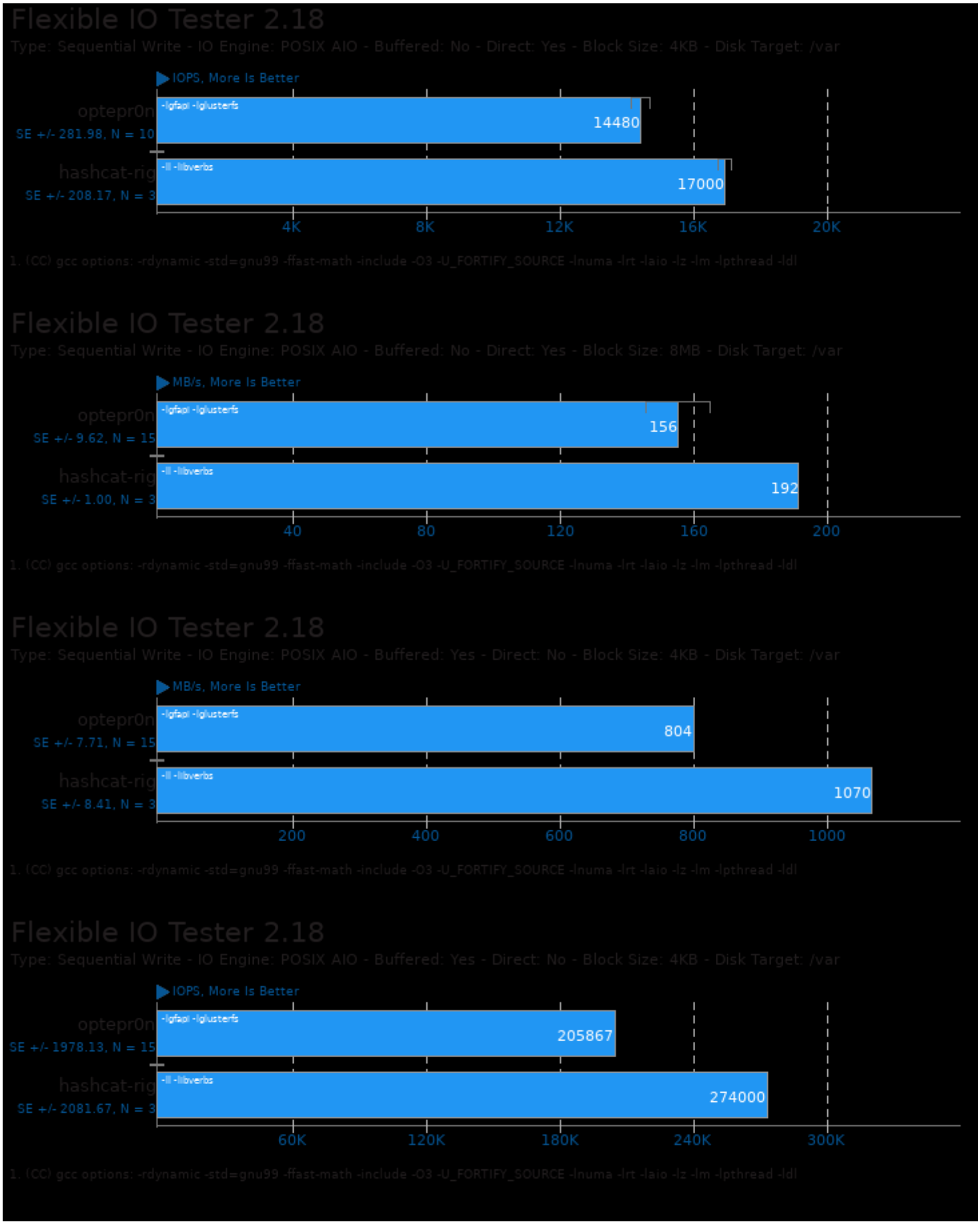

Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
2488
SE +/- 10.09, N = 3
hashcat-rig
-lll -libverbs
2497
SE +/- 13.12, N = 3
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
70.40
SE +/- 0.69, N = 3
hashcat-rig
-lll -libverbs
74.47
SE +/- 0.49, N = 3
20
40
60
80
100
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
-lgfapi -lglusterfs
17667
SE +/- 317.98, N = 3
hashcat-rig
-lll -libverbs
18767
SE +/- 405.52, N = 3
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
287
hashcat-rig
-lll -libverbs
206
SE +/- 0.33, N = 3
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

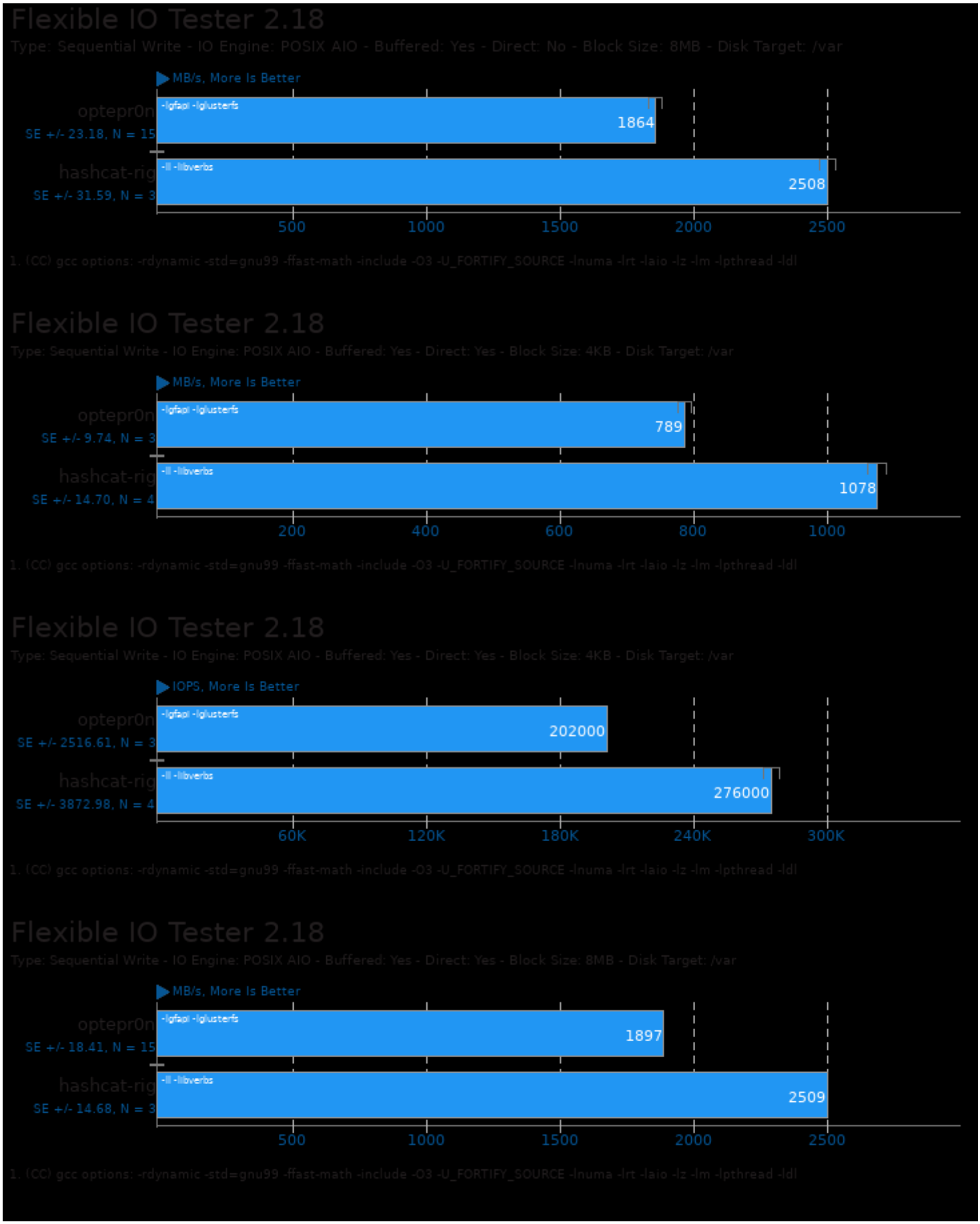

Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 6.57, N = 3
-lgfapi -lglusterfs
880
hashcat-rig
SE +/- 8.76, N = 3
-ll -libverbs
1090
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /
IOPS, More Is Better
optepr0n
SE +/- 1527.53, N = 3
-lgfapi -lglusterfs
225000
hashcat-rig
SE +/- 2333.33, N = 3
-ll -libverbs
278667
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: /
MB/s, More Is Better
optepr0n
SE +/- 36.05, N = 15
-lgfapi -lglusterfs
2447
hashcat-rig
SE +/- 9.87, N = 3
-ll -libverbs
2500
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 0.87, N = 15
-lgfapi -lglusterfs
72.00
hashcat-rig
SE +/- 0.98, N = 5
-ll -libverbs
73.64
16
32
48
64
80
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

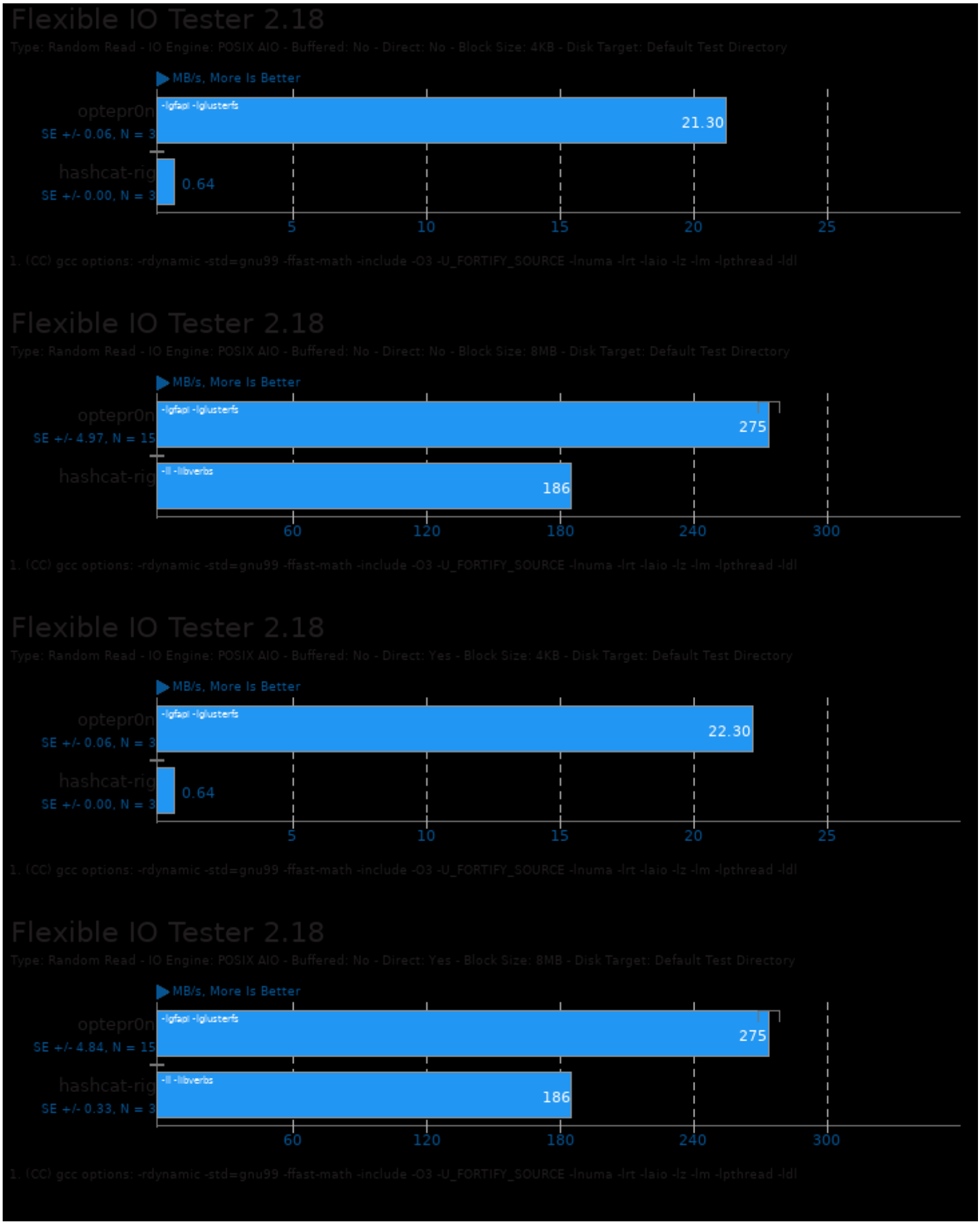

Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 222.51, N = 15
-lgfapi -lglusterfs
18513
hashcat-rig
SE +/- 254.17, N = 5
-lll -libverbs
18860
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
287
hashcat-rig
-lll -libverbs
206
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 14.27, N = 4
-lgfapi -lglusterfs
1105
hashcat-rig
SE +/- 2.33, N = 3
-lll -libverbs
1306
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 3544.36, N = 4
-lgfapi -lglusterfs
282750
hashcat-rig
-lll -libverbs
334000
70K
140K
210K
280K
350K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

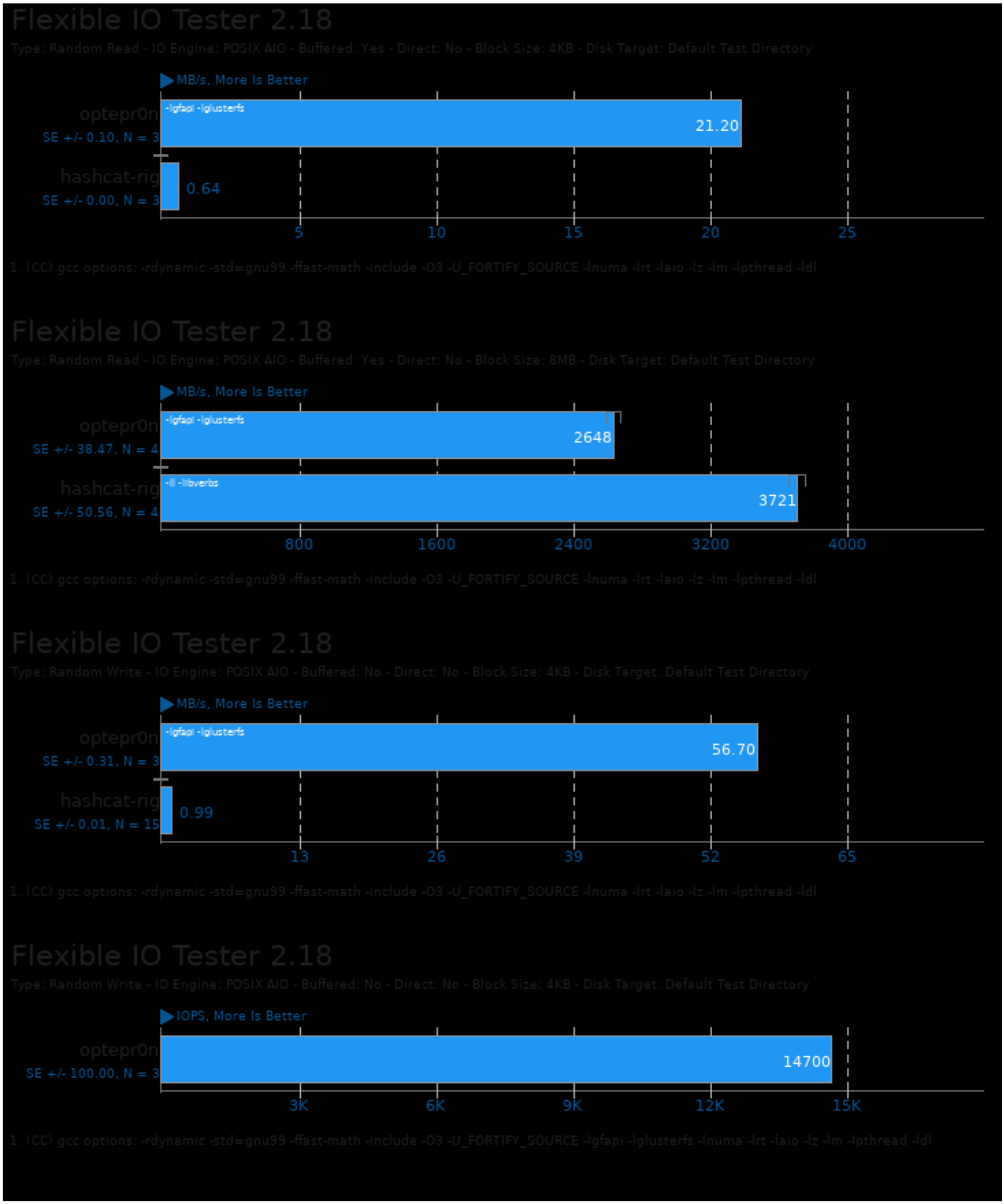

Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 26.41, N = 3
-lgfapi -lglusterfs
2636
hashcat-rig
SE +/- 11.05, N = 3
-lll -llibverbs
3842
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 2.19, N = 13
-lgfapi -lglusterfs
49.20
hashcat-rig
SE +/- 0.10, N = 3
-lll -llibverbs
65.80
15
30
45
60
75
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 363.09, N = 11
-lgfapi -lglusterfs
13173
hashcat-rig
SE +/- 57.74, N = 3
-lll -llibverbs
16800
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 1.00, N = 3
-lgfapi -lglusterfs
239
hashcat-rig
SE +/- 2.91, N = 3
-lll -llibverbs
184
50
100
150
200
250
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

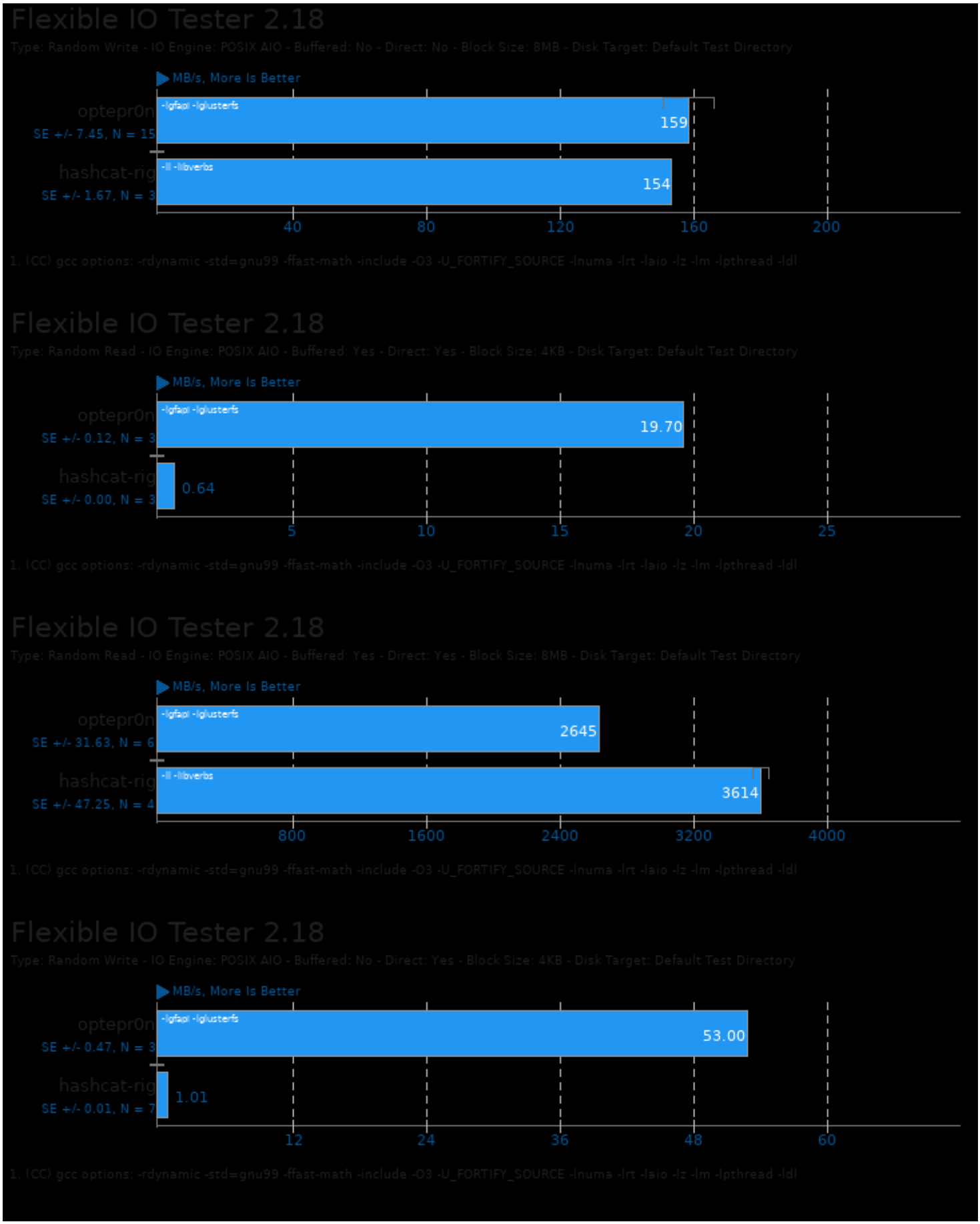

Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 16.37, N = 3
-lgfapi -lglusterfs
1047
hashcat-rig
SE +/- 8.95, N = 3
-lll -llibverbs
1289
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 4255.72, N = 3
-lgfapi -lglusterfs
268333
hashcat-rig
SE +/- 2516.61, N = 3
-lll -llibverbs
330000
70K
140K
210K
280K
350K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 26.21, N = 3
-lgfapi -lglusterfs
2782
hashcat-rig
SE +/- 33.15, N = 15
-lll -llibverbs
3789
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 4.47, N = 12
-lgfapi -lglusterfs
51.08
hashcat-rig
SE +/- 0.86, N = 3
-lll -llibverbs
66.30
15
30
45
60
75
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

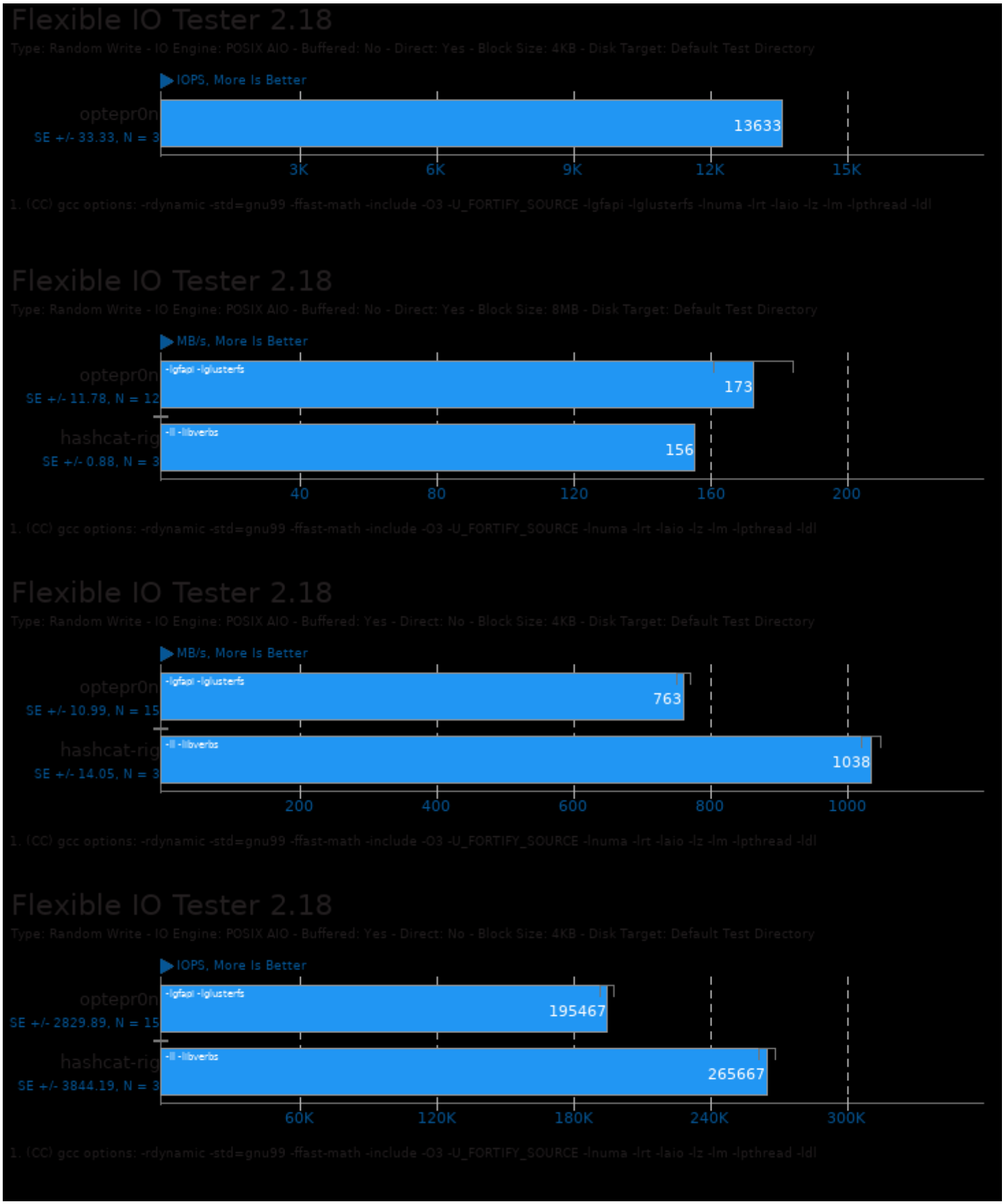

Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 281.98, N = 10
-lgfapi -lglusterfs
14480
hashcat-rig
SE +/- 208.17, N = 3
-lll -libverbs
17000
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 9.62, N = 15
-lgfapi -lglusterfs
156
hashcat-rig
SE +/- 1.00, N = 3
-lll -libverbs
192
40
80
120
160
200
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 7.71, N = 15
-lgfapi -lglusterfs
804
hashcat-rig
SE +/- 8.41, N = 3
-lll -libverbs
1070
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 1978.13, N = 15
-lgfapi -lglusterfs
205867
hashcat-rig
SE +/- 2081.67, N = 3
-lll -libverbs
274000
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

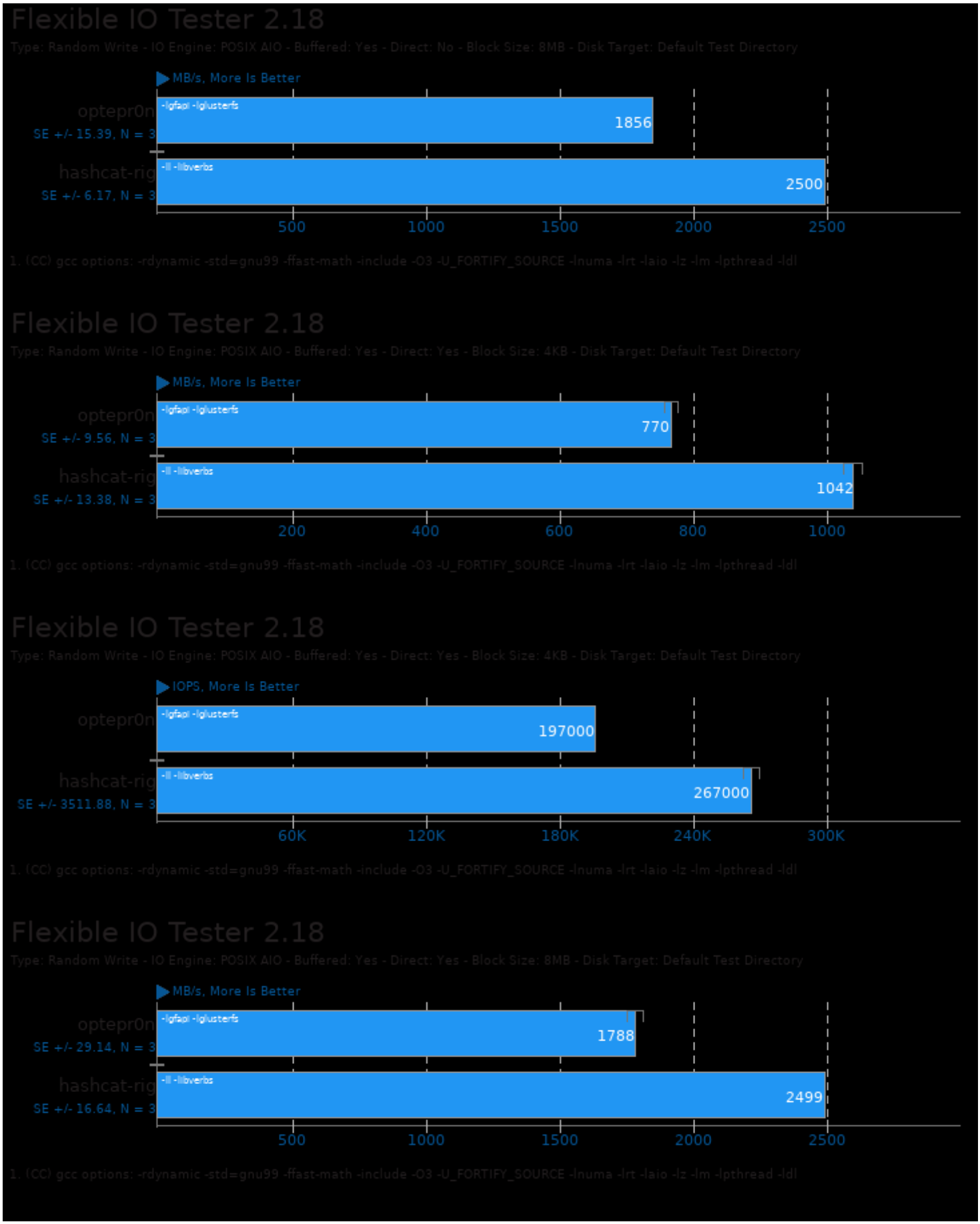

Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 23.18, N = 15
-lgfapi -lglusterfs
1864
hashcat-rig
SE +/- 31.59, N = 3
-lll -libverbs
2508
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 9.74, N = 3
-lgfapi -lglusterfs
789
hashcat-rig
SE +/- 14.70, N = 4
-lll -libverbs
1078
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /var
IOPS, More Is Better
optepr0n
SE +/- 2516.61, N = 3
-lgfapi -lglusterfs
202000
hashcat-rig
SE +/- 3872.98, N = 4
-lll -libverbs
276000
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: /var
MB/s, More Is Better
optepr0n
SE +/- 18.41, N = 15
-lgfapi -lglusterfs
1897
hashcat-rig
SE +/- 14.68, N = 3
-lll -libverbs
2509
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

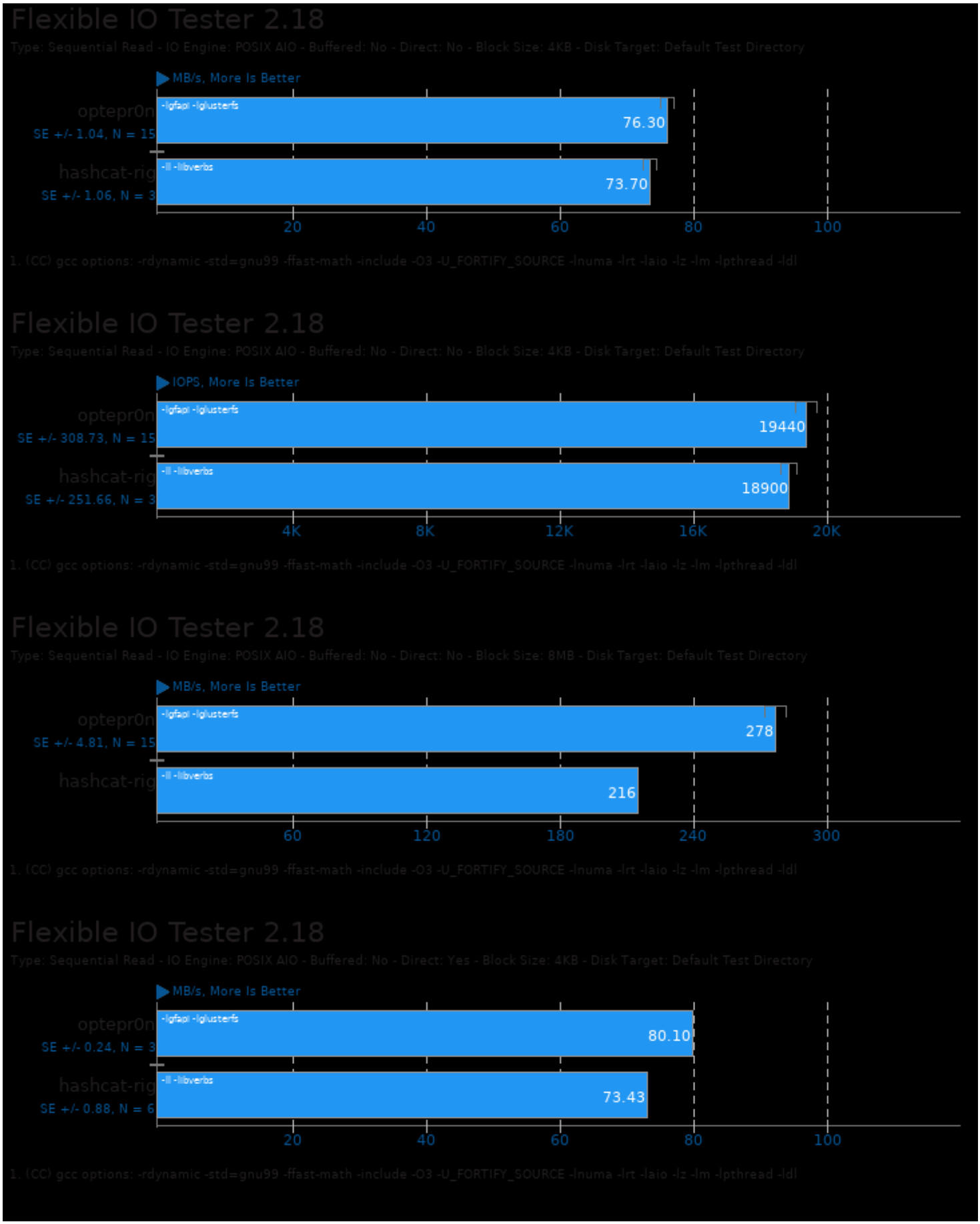

Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 0.06, N = 3
-lgfapi -lglusterfs
21.30
hashcat-rig
SE +/- 0.00, N = 3
0.64
5
10
15
20
25
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 4.97, N = 15
-lgfapi -lglusterfs
275
hashcat-rig
-lll -libverbs
186
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 0.06, N = 3
-lgfapi -lglusterfs
22.30
hashcat-rig
SE +/- 0.00, N = 3
0.64
5
10
15
20
25
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 4.84, N = 15
-lgfapi -lglusterfs
275
hashcat-rig
SE +/- 0.33, N = 3
-lll -libverbs
186
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

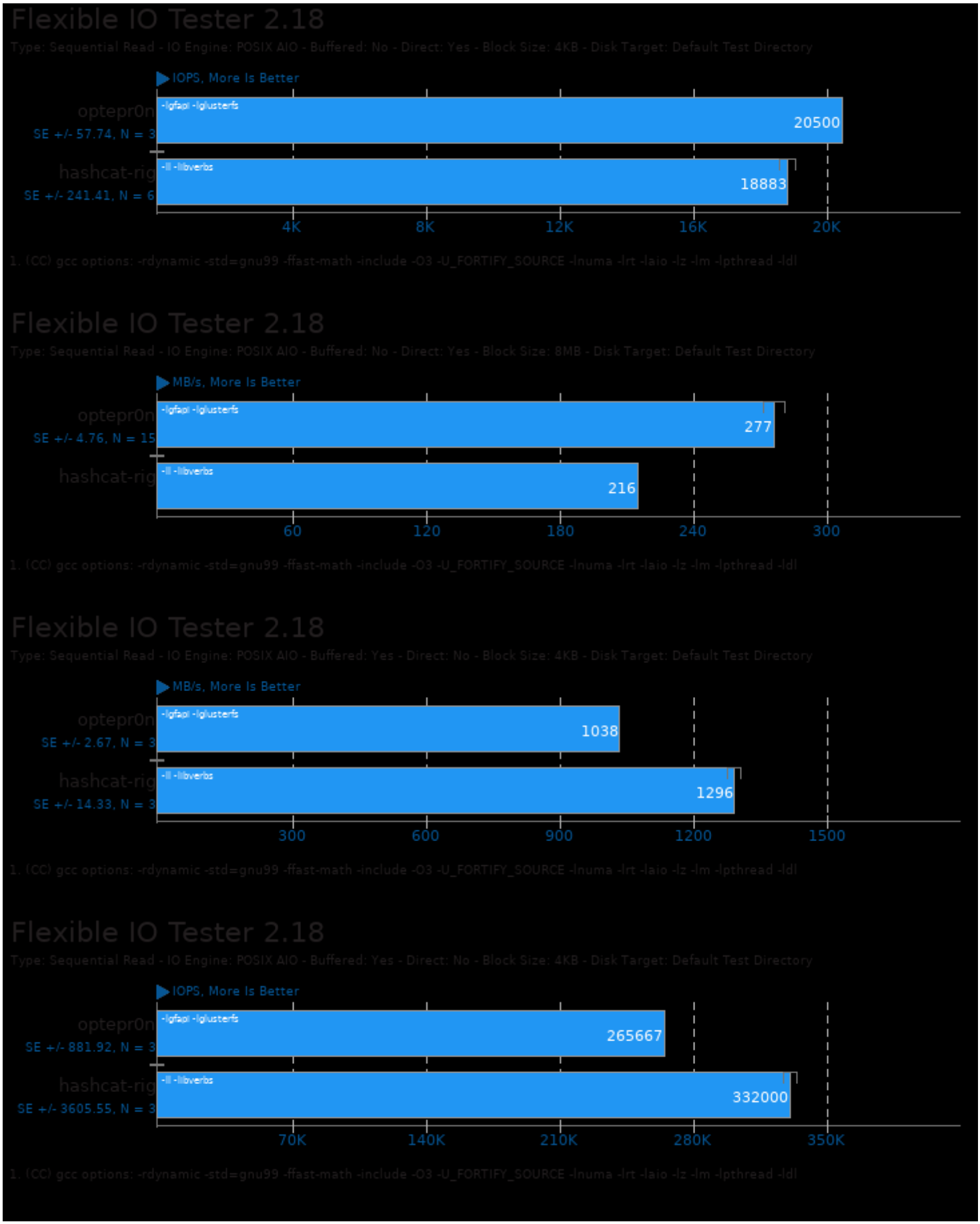

Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
21.20
SE +/- 0.10, N = 3
hashcat-rig
0.64
SE +/- 0.00, N = 3
5
10
15
20
25
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
2648
SE +/- 38.47, N = 4
hashcat-rig
-lI -libverbs
3721
SE +/- 50.56, N = 4
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
56.70
SE +/- 0.31, N = 3
hashcat-rig
0.99
SE +/- 0.01, N = 15
13
26
39
52
65
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
14700
SE +/- 100.00, N = 3
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lgfapi -lglusterfs -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 7.45, N = 15
-lgfapi -lglusterfs
159
hashcat-rig
SE +/- 1.67, N = 3
-ll -libverbs
154
40
80
120
160
200
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 0.12, N = 3
-lgfapi -lglusterfs
19.70
hashcat-rig
SE +/- 0.00, N = 3
0.64
5
10
15
20
25
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 31.63, N = 6
-lgfapi -lglusterfs
2645
hashcat-rig
SE +/- 47.25, N = 4
-ll -libverbs
3614
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 0.47, N = 3
-lgfapi -lglusterfs
53.00
hashcat-rig
SE +/- 0.01, N = 7
1.01
12
24
36
48
60
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
SE +/- 33.33, N = 3
13633
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lgfapi -lglusterfs -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 11.78, N = 12
-lgfapi -lglusterfs
173
hashcat-rig
SE +/- 0.88, N = 3
-lll -libverbs
156
40
80
120
160
200
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 10.99, N = 15
-lgfapi -lglusterfs
763
hashcat-rig
SE +/- 14.05, N = 3
-lll -libverbs
1038
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
SE +/- 2829.89, N = 15
-lgfapi -lglusterfs
195467
hashcat-rig
SE +/- 3844.19, N = 3
-lll -libverbs
265667
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

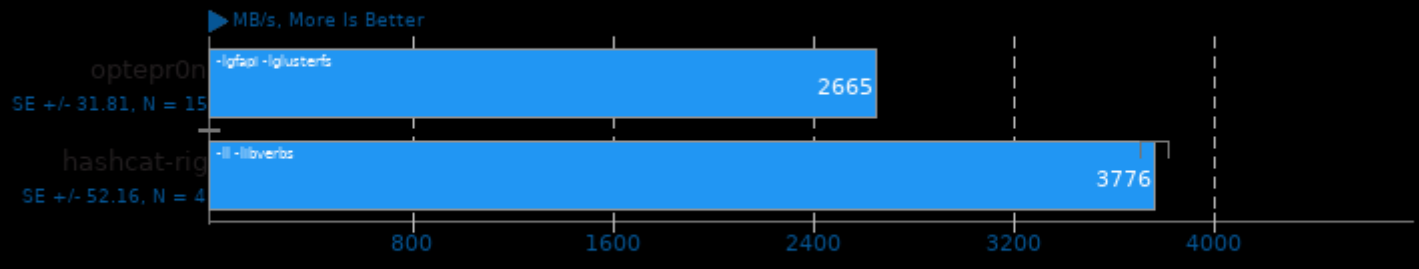

Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
1856
SE +/- 15.39, N = 3
hashcat-rig
-lll -llibverbs
2500
SE +/- 6.17, N = 3
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
770
SE +/- 9.56, N = 3
hashcat-rig
-lll -llibverbs
1042
SE +/- 13.38, N = 3
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
-lgfapi -lglusterfs
197000
hashcat-rig
-lll -llibverbs
267000
SE +/- 3511.88, N = 3
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Random Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
-lgfapi -lglusterfs
1788
SE +/- 29.14, N = 3
hashcat-rig
-lll -llibverbs
2499
SE +/- 16.64, N = 3
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 1.04, N = 15
-lgfapi -lglusterfs
76.30
hashcat-rig
SE +/- 1.06, N = 3
-lll -llibverbs
73.70
20
40
60
80
100
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
SE +/- 308.73, N = 15
-lgfapi -lglusterfs
19440
hashcat-rig
SE +/- 251.66, N = 3
-lll -llibverbs
18900
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 4.81, N = 15
-lgfapi -lglusterfs
278
hashcat-rig
-lll -llibverbs
216
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 0.24, N = 3
-lgfapi -lglusterfs
80.10
hashcat-rig
SE +/- 0.88, N = 6
-lll -llibverbs
73.43
20
40
60
80
100
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
SE +/- 57.74, N = 3
-lgfapi -lglusterfs
20500
hashcat-rig
SE +/- 241.41, N = 6
-lll -llibverbs
18883
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 4.76, N = 15
-lgfapi -lglusterfs
277
hashcat-rig
-lll -llibverbs
216
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 2.67, N = 3
-lgfapi -lglusterfs
1038
hashcat-rig
SE +/- 14.33, N = 3
-lll -llibverbs
1296
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
SE +/- 881.92, N = 3
-lgfapi -lglusterfs
265667
hashcat-rig
SE +/- 3605.55, N = 3
-lll -llibverbs
332000
70K
140K
210K
280K
350K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

Flexible IO Tester 2.18

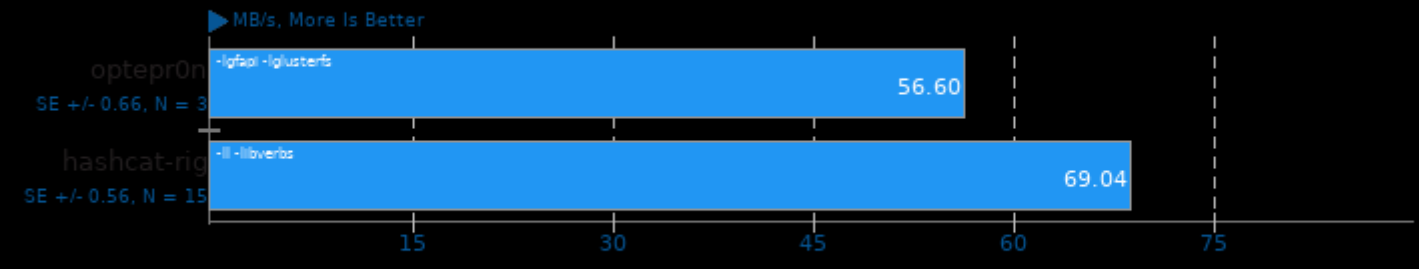
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: Default Test Directory



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

Flexible IO Tester 2.18

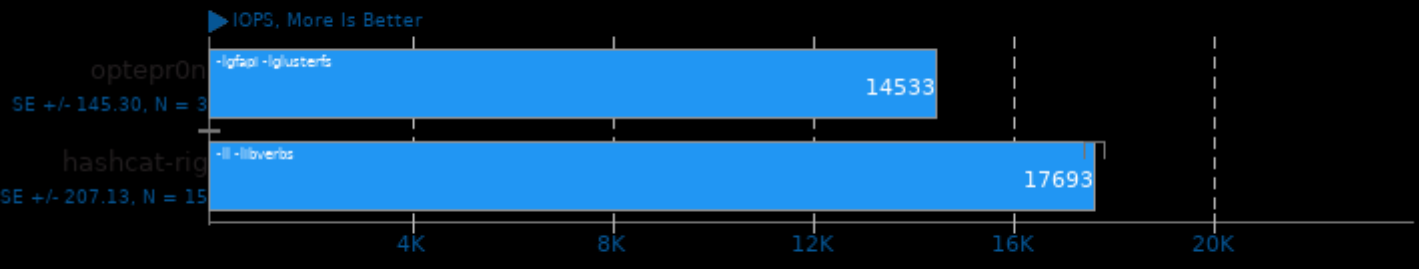
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory



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

Flexible IO Tester 2.18

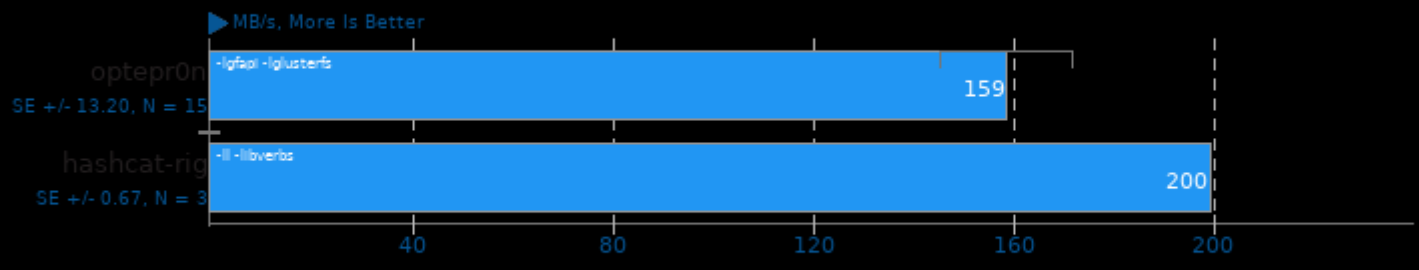
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory



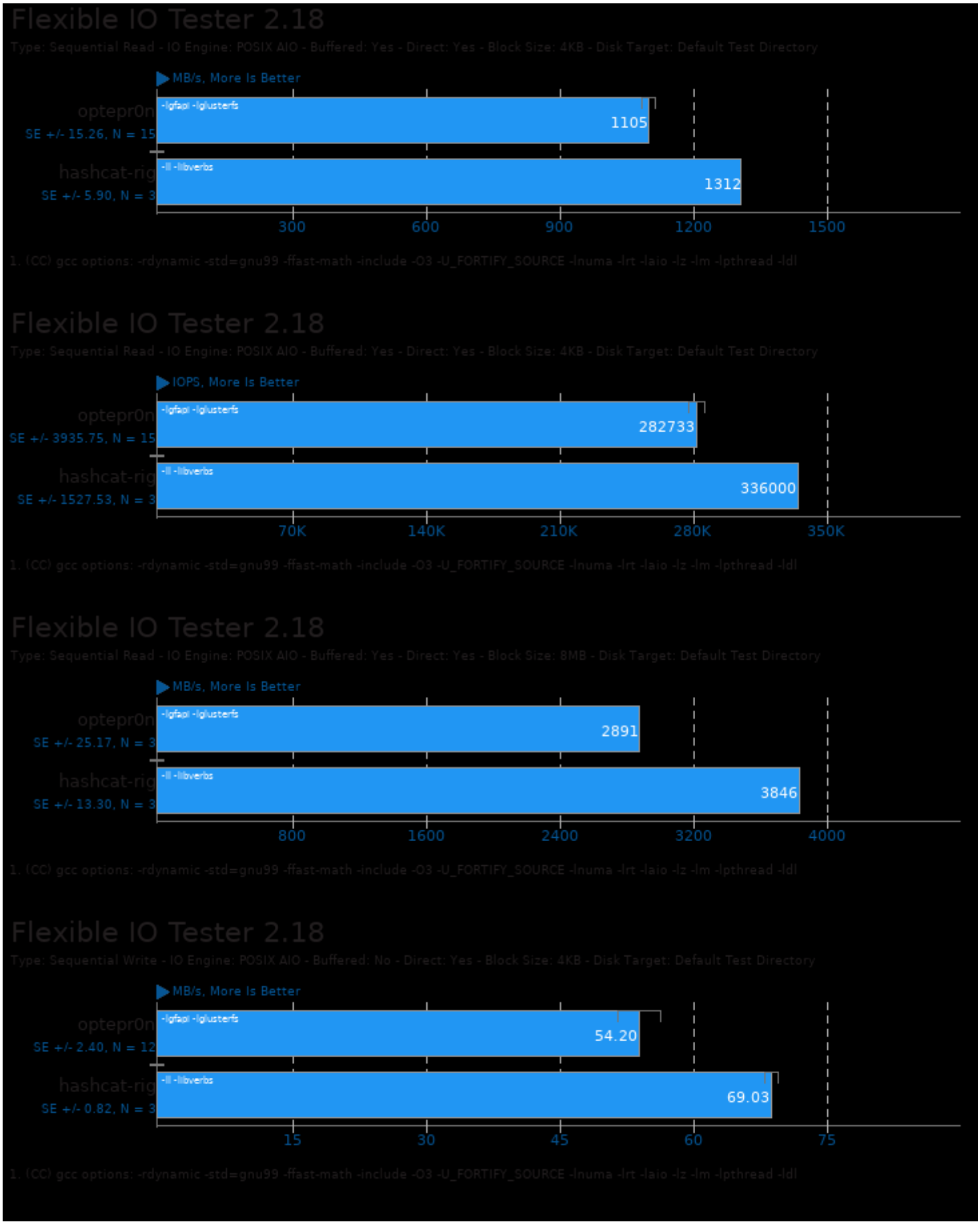
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl

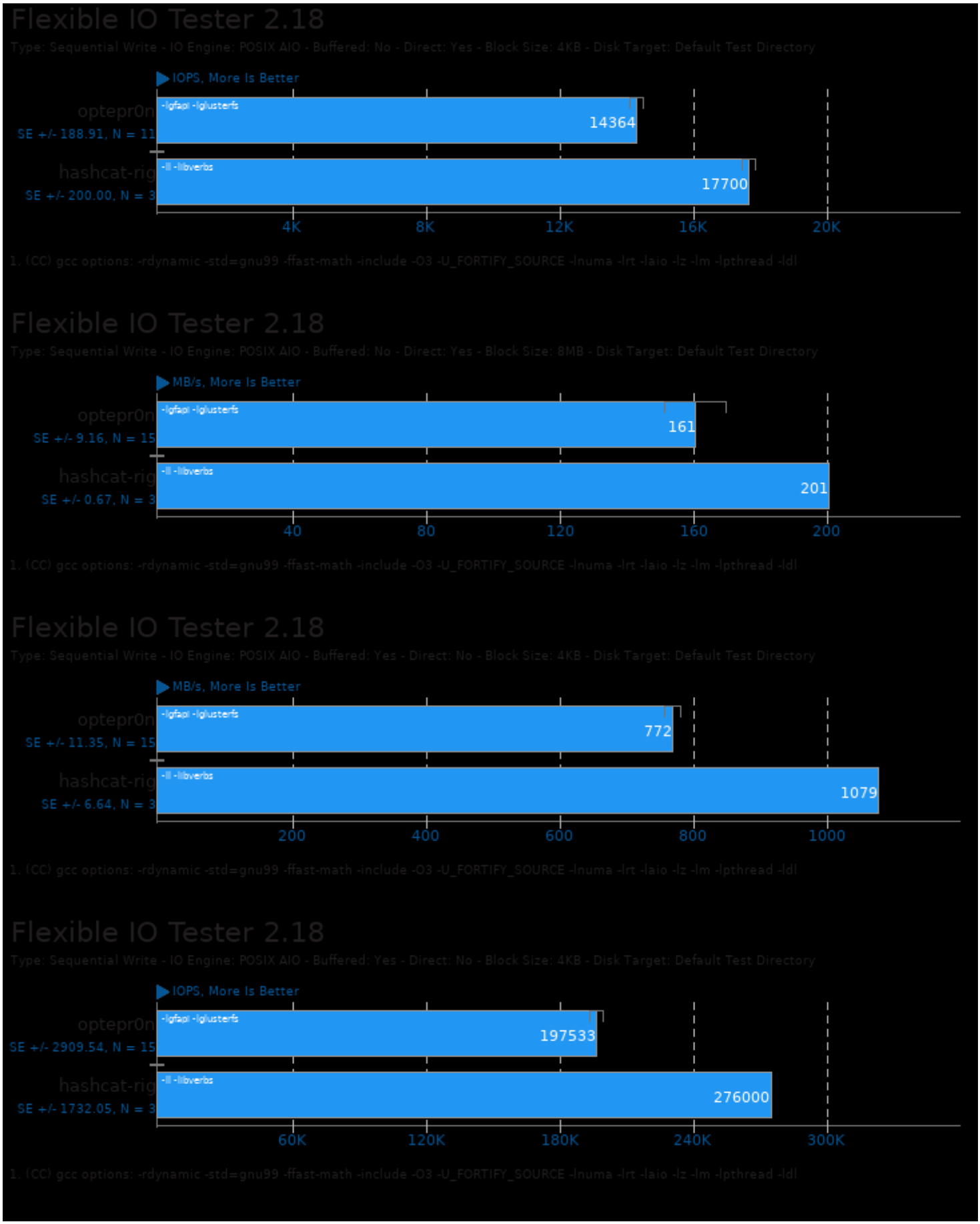
Flexible IO Tester 2.18

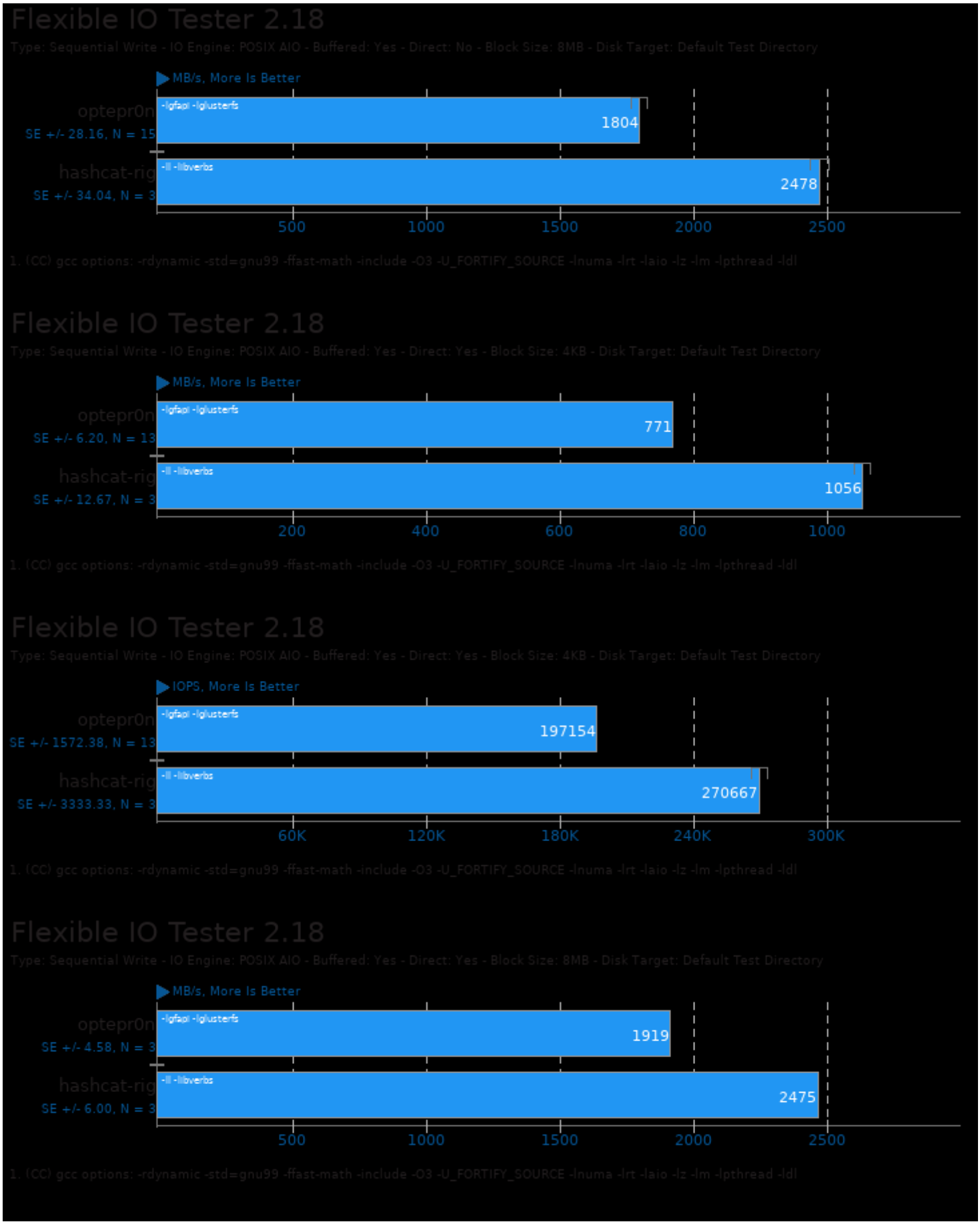
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 8MB - Disk Target: Default Test Directory

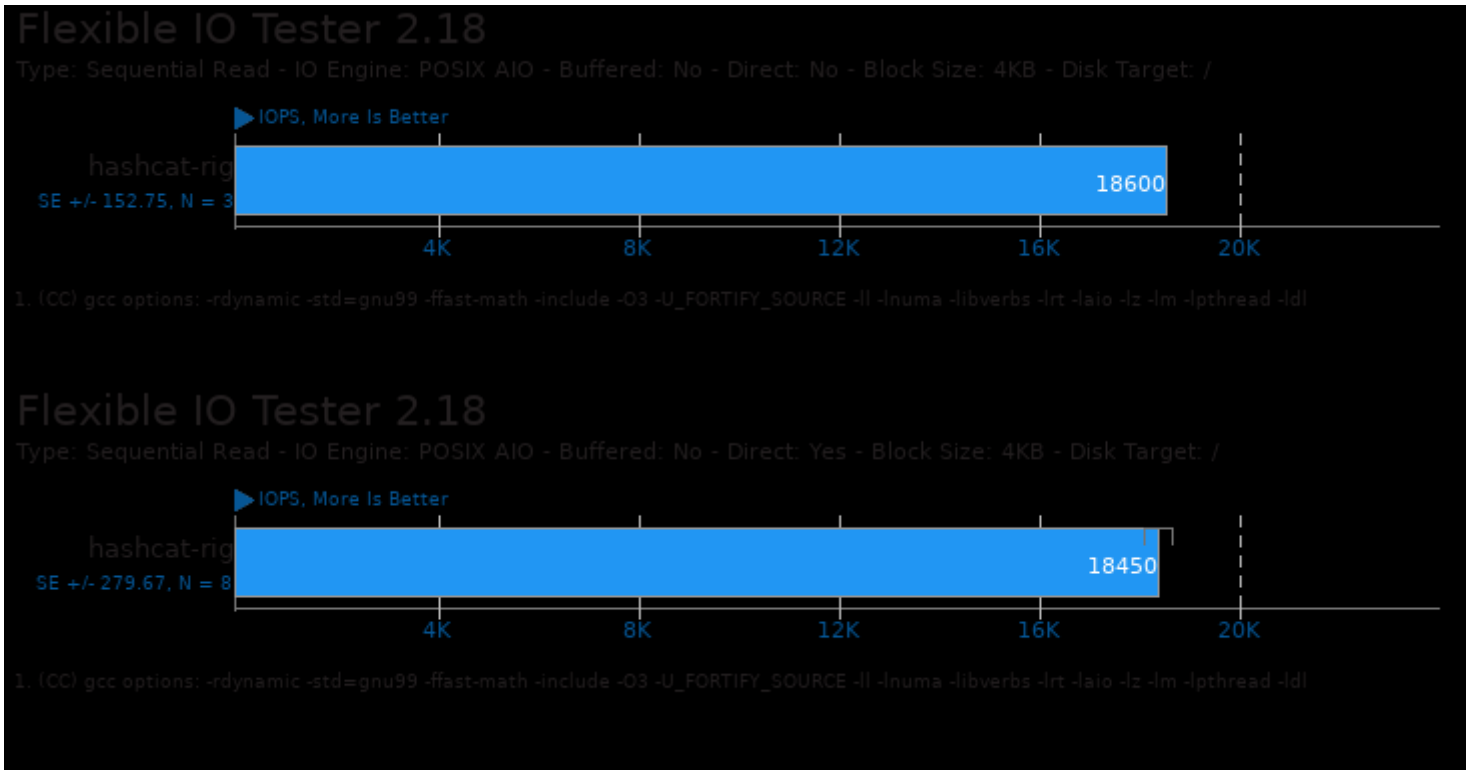


1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 15.26, N = 15
-lgfapi -lglusterfs
1105
hashcat-rig
SE +/- 5.90, N = 3
-lll -llibverbs
1312
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
SE +/- 3935.75, N = 15
-lgfapi -lglusterfs
282733
hashcat-rig
SE +/- 1527.53, N = 3
-lll -llibverbs
336000
70K
140K
210K
280K
350K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Read - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 25.17, N = 3
-lgfapi -lglusterfs
2891
hashcat-rig
SE +/- 13.30, N = 3
-lll -llibverbs
3846
800
1600
2400
3200
4000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 2.40, N = 12
-lgfapi -lglusterfs
54.20
hashcat-rig
SE +/- 0.82, N = 3
-lll -llibverbs
69.03
15
30
45
60
75
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
SE +/- 188.91, N = 11
-lgfapi -lglusterfs
14364
hashcat-rig
SE +/- 200.00, N = 3
-lll -llibverbs
17700
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 9.16, N = 15
-lgfapi -lglusterfs
161
hashcat-rig
SE +/- 0.67, N = 3
-lll -llibverbs
201
40
80
120
160
200
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 11.35, N = 15
-lgfapi -lglusterfs
772
hashcat-rig
SE +/- 6.64, N = 3
-lll -llibverbs
1079
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
SE +/- 2909.54, N = 15
-lgfapi -lglusterfs
197533
hashcat-rig
SE +/- 1732.05, N = 3
-lll -llibverbs
276000
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl


Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 28.16, N = 15
-lgfapi -lglusterfs
1804
hashcat-rig
SE +/- 34.04, N = 3
-lll -libverbs
2478
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 6.20, N = 13
-lgfapi -lglusterfs
771
hashcat-rig
SE +/- 12.67, N = 3
-lll -libverbs
1056
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
optepr0n
SE +/- 1572.38, N = 13
-lgfapi -lglusterfs
197154
hashcat-rig
SE +/- 3333.33, N = 3
-lll -libverbs
270667
60K
120K
180K
240K
300K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl
Flexible IO Tester 2.18
Type: Sequential Write - IO Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
optepr0n
SE +/- 4.58, N = 3
-lgfapi -lglusterfs
1919
hashcat-rig
SE +/- 6.00, N = 3
-lll -libverbs
2475
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -lnuma -lrt -laio -lz -lm -lpthread -ldl



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 10:58.