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Synology_RS3621XS_Plus

12x Nytro 3332 Raid10 SA3200D 32 Core Epyc 128Gb XCP-NG VM on 10G dedicated network

Test Systems:

Raid F1

Processor: Intel Xeon D-1541 (12 Cores), Motherboard: QEMU Standard PC (i440FX + PIIX 1996) (Virtualization-2.5.1-9619-200306-0-gb56c451 BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 4096MB, Disk: 107GB iSCSI Storage, Graphics: VMware SVGA II, Network: Red Hat Virtio device

OS: Ubuntu 20.04, Kernel: 5.4.0-89-generic (x86_64), Vulkan: 1.0.2, Compiler: GCC 9.3.0, File-System: ext4, System Layer: microsoft VMware

Kernel Notes: Transparent Huge Pages: madvise
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++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/usr,hsa --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=auto --with-tune=generic --without-cuda-driver -v
Disk Notes: NONE / relatime,rw / Block Size: 4096

Processor Notes: CPU Microcode: 0x1
Security Notes: itlb_multihit: KVM: Vulnerable + l1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT Host state unknown + 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: disabled RSB filling + srbds: Not affected + tsx_async_abort: Vulnerable: Clear buffers attempted no microcode; SMT Host state unknown

SA3200D 12x nytro raid 5

SA3200 6x Nytro Raid 10

SA3200D 6x Nytro F1

jumbo

jumbo frames

direct

Raid10 12 drives

SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM

Processor: AMD EPYC 7502 32-Core (32 Cores), Motherboard: Xen HVM domU v4.13, Chipset: Intel 440FX 82441FX PMC, Memory: 16 GB + 16 GB + 16 GB + 16 GB + 16 GB + 16 GB + 16 GB + 16376 MB RAM, Disk: 15GB, Graphics: bochs-drmdrmfb

OS: Debian 11, Kernel: 5.10.0-9-amd64 (x86_64), Vulkan: 1.0.2, Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1024x768, System Layer: Xen HVM domU 4.13

Kernel Notes: Transparent Huge Pages: always
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++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-gcn/usr, hsa --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
Processor Notes: CPU Microcode: 0x830104d
Disk Mount Options Notes: errors=remount-ro,relatime,rw
Disk Details Notes: Block Size: 4096
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 + srbds: Not affected + tsx_async_abort: Not affected

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	Raid F1	SA3200D 12x nytro raid 5	SA3200 6x Nytro Raid 10	SA3200D 6x Nytro F1	jumbo	jumbo frames	direct	Raid10 12 drives	SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 1MB (MB/s)	1054	568	569	590	586	631	648	643	631
Normalized	100%	53.89%	53.98%	55.98%	55.6%	59.87%	61.48%	61.01%	59.87%
Standard Deviation	1%	4.2%	0.7%	2.2%	0.1%	0.8%	2.2%	1.8%	1.1%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 1MB (IOPS)	1050	564	566	586	582	627	644	639	628
Normalized	100%	53.71%	53.9%	55.81%	55.43%	59.71%	61.33%	60.86%	59.81%
Standard Deviation	1%	4.3%	0.7%	2.2%	0.2%	0.8%	2.3%	1.8%	1.2%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 4KB (MB/s)	7.506			19.0					18.9
Normalized	39.51%			100%					99.47%
Standard Deviation	1.1%			2.5%					3.9%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 4KB (IOPS)	1873			4844					4843
Normalized	38.67%			100%					99.98%
Standard Deviation	1.1%			2.5%					3.9%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 64KB (MB/s)	79.0			180					174
Normalized	43.89%			100%					96.67%
Standard Deviation	14%			1.1%					3.1%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 64KB (IOPS)	1262			2877					2775
Normalized	43.87%			100%					96.45%
Standard Deviation	13.9%			1%					3.2%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 1MB (MB/s)	1767								543
Normalized	100%								30.73%
Standard Deviation	0.9%								2.1%

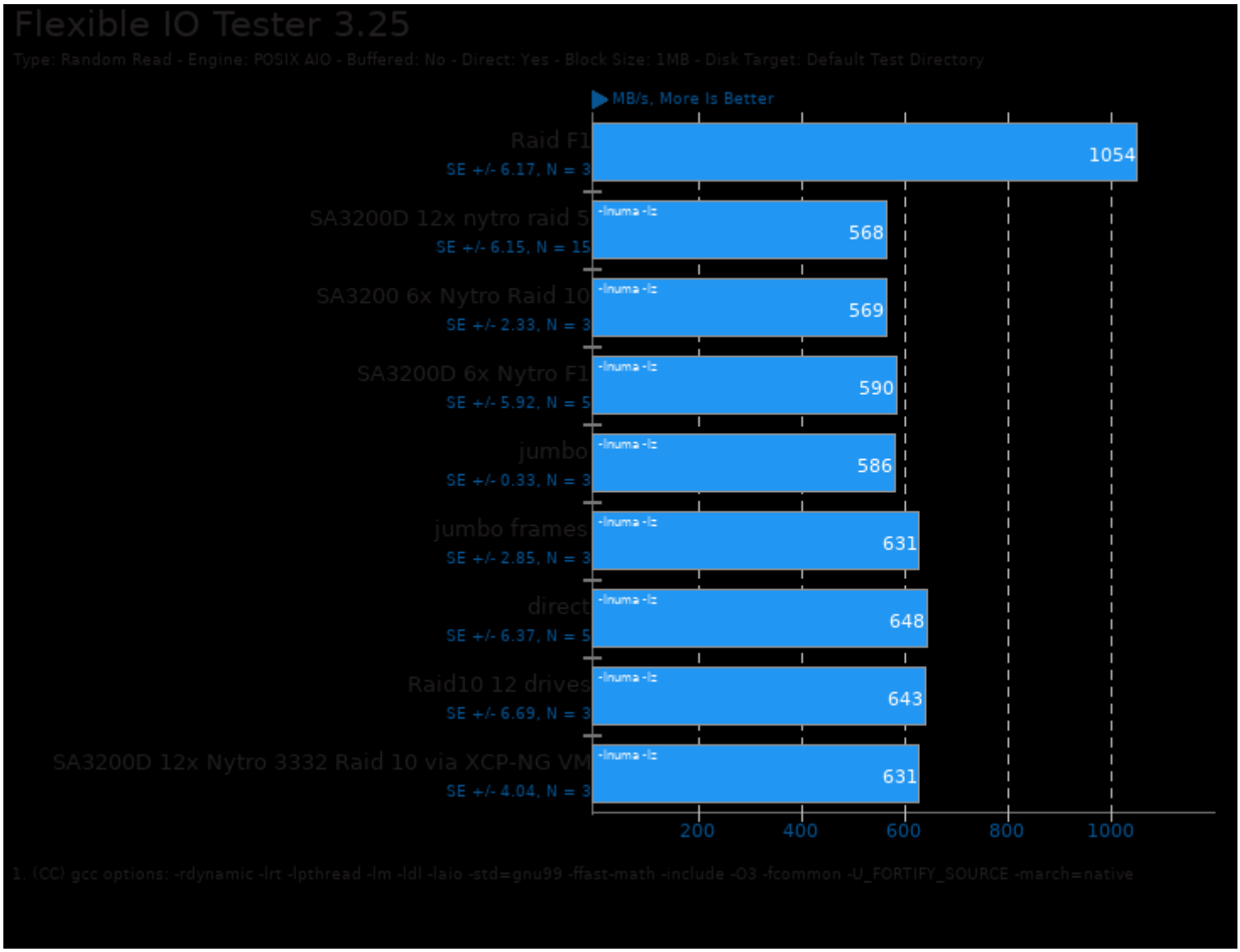
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 1MB (IOPS)	**1763**	**540**
Normalized	100%	30.63%
Standard Deviation	0.9%	2.2%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 4KB (MB/s)	**104**	**17.4**
Normalized	100%	16.73%
Standard Deviation	0.6%	2.3%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 4KB (IOPS)	**26733**	**4553**
Normalized	100%	17.03%
Standard Deviation	0.6%	1.2%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 64KB (MB/s)	**751**	**172**
Normalized	100%	22.9%
Standard Deviation	1.3%	0.3%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 64KB (IOPS)	**12033**	**2756**
Normalized	100%	22.9%
Standard Deviation	1.3%	0.5%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 1MB (MB/s)	**1065**	**647**
Normalized	100%	60.75%
Standard Deviation	20.6%	2.4%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 1MB (IOPS)	**1061**	**644**
Normalized	100%	60.7%
Standard Deviation	20.7%	2.4%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 4KB (MB/s)	**9.94**	**19.4**
Normalized	51.24%	100%
Standard Deviation	0.1%	1.1%

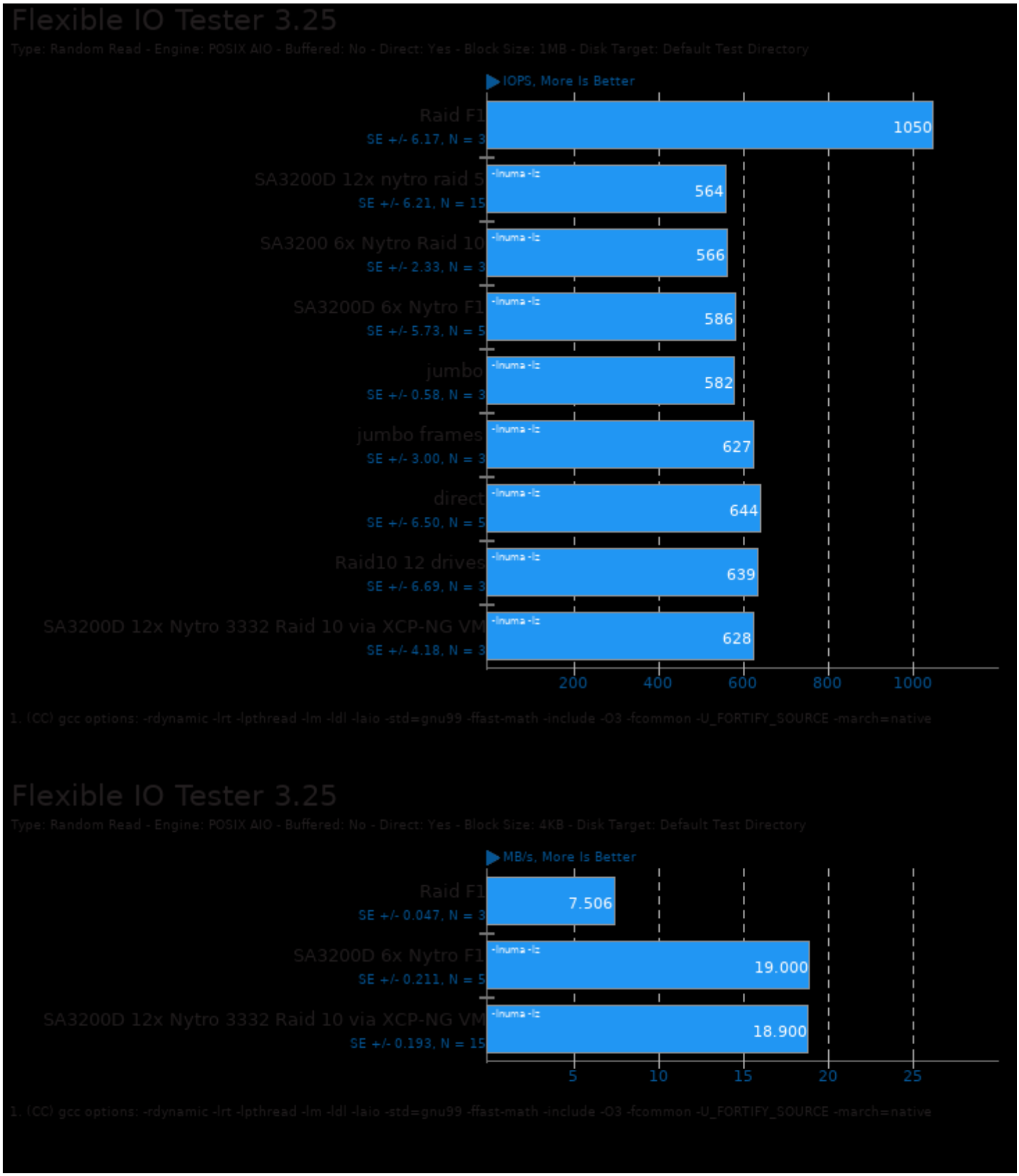
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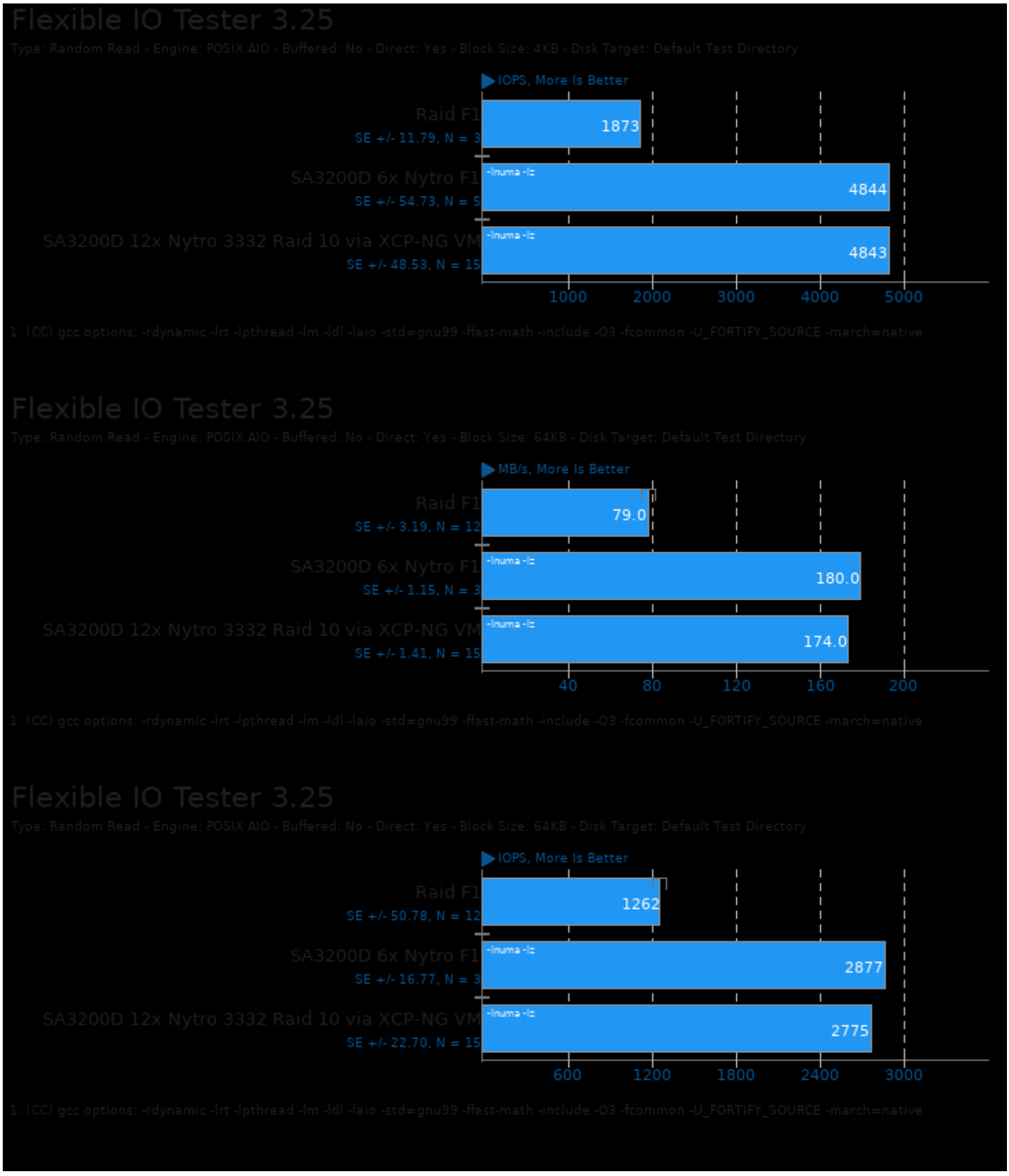
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 4KB (IOPS)	**2541**	**4975**
Normalized	51.08%	100%
Standard Deviation		1%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 64KB (MB/s)	**116**	**178**
Normalized	65.17%	100%
Standard Deviation	2.5%	4.6%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 64KB (IOPS)	**1857**	**2847**
Normalized	65.23%	100%
Standard Deviation	2.2%	4.6%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 1MB (MB/s)	**2122**	**597**
Normalized	100%	28.13%
Standard Deviation	1.1%	0.8%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 1MB (IOPS)	**2118**	**593**
Normalized	100%	28%
Standard Deviation	1.1%	0.7%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 4KB (MB/s)	**125**	**18.9**
Normalized	100%	15.12%
Standard Deviation	0.5%	2.4%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 4KB (IOPS)	**31833**	**4824**
Normalized	100%	15.15%
Standard Deviation	0.4%	2.3%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 64KB (MB/s)	**1107**	**173**
Normalized	100%	15.63%
Standard Deviation	0.5%	0.9%

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Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 64KB (IOPS)	**17700**	**2763**
Normalized	100%	15.61%
Standard Deviation	0.6%	1%

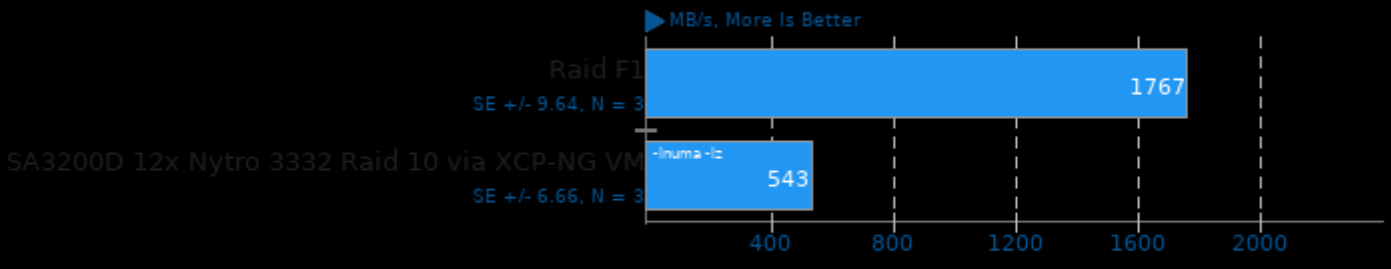

Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 1MB - Disk Target: Default Test Directory
MB/s, More Is Better
Raid F1
SE +/- 6.17, N = 3
1054
SA3200D 12x nytro raid 5
SE +/- 6.15, N = 15
-lnuma -lz
568
SA3200 6x Nytro Raid 10
SE +/- 2.33, N = 3
-lnuma -lz
569
SA3200D 6x Nytro F1
SE +/- 5.92, N = 5
-lnuma -lz
590
jumbo
SE +/- 0.33, N = 3
-lnuma -lz
586
jumbo frames
SE +/- 2.85, N = 3
-lnuma -lz
631
direct
SE +/- 6.37, N = 5
-lnuma -lz
648
Raid10 12 drives
SE +/- 6.69, N = 3
-lnuma -lz
643
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
SE +/- 4.04, N = 3
-lnuma -lz
631
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native


Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 1MB - Disk Target: Default Test Directory
IOPS, More Is Better
Raid F1
SE +/- 6.17, N = 3
1050
SA3200D 12x nytro raid 5
SE +/- 6.21, N = 15
-lnuma -lz
564
SA3200 6x Nytro Raid 10
SE +/- 2.33, N = 3
-lnuma -lz
566
SA3200D 6x Nytro F1
SE +/- 5.73, N = 5
-lnuma -lz
586
jumbo
SE +/- 0.58, N = 3
-lnuma -lz
582
jumbo frames
SE +/- 3.00, N = 3
-lnuma -lz
627
direct
SE +/- 6.50, N = 5
-lnuma -lz
644
Raid10 12 drives
SE +/- 6.69, N = 3
-lnuma -lz
639
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
SE +/- 4.18, N = 3
-lnuma -lz
628
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
Raid F1
SE +/- 0.047, N = 3
7.506
SA3200D 6x Nytro F1
SE +/- 0.211, N = 5
-lnuma -lz
19.000
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
SE +/- 0.193, N = 15
-lnuma -lz
18.900
5
10
15
20
25
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native


Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
Raid F1
SE +/- 11.79, N = 3
1873
SA3200D 6x Nytro F1
SE +/- 54.73, N = 5
-lnuma -lz
4844
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
SE +/- 48.53, N = 15
-lnuma -lz
4843
1000
2000
3000
4000
5000
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
MB/s, More Is Better
Raid F1
SE +/- 3.19, N = 12
79.0
SA3200D 6x Nytro F1
SE +/- 1.15, N = 3
-lnuma -lz
180.0
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
SE +/- 1.41, N = 15
-lnuma -lz
174.0
40
80
120
160
200
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
IOPS, More Is Better
Raid F1
SE +/- 50.78, N = 12
1262
SA3200D 6x Nytro F1
SE +/- 16.77, N = 3
-lnuma -lz
2877
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
SE +/- 22.70, N = 15
-lnuma -lz
2775
600
1200
1800
2400
3000
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.25

Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 1MB - Disk Target: Default Test Directory



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

Flexible IO Tester 3.25

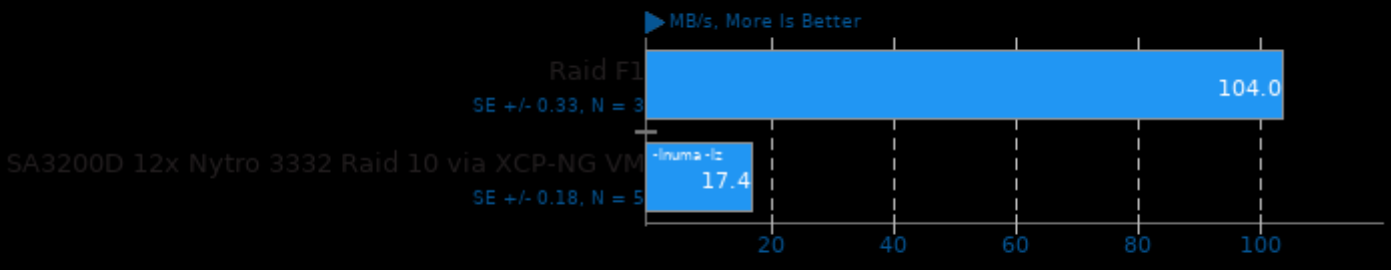
Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 1MB - Disk Target: Default Test Directory



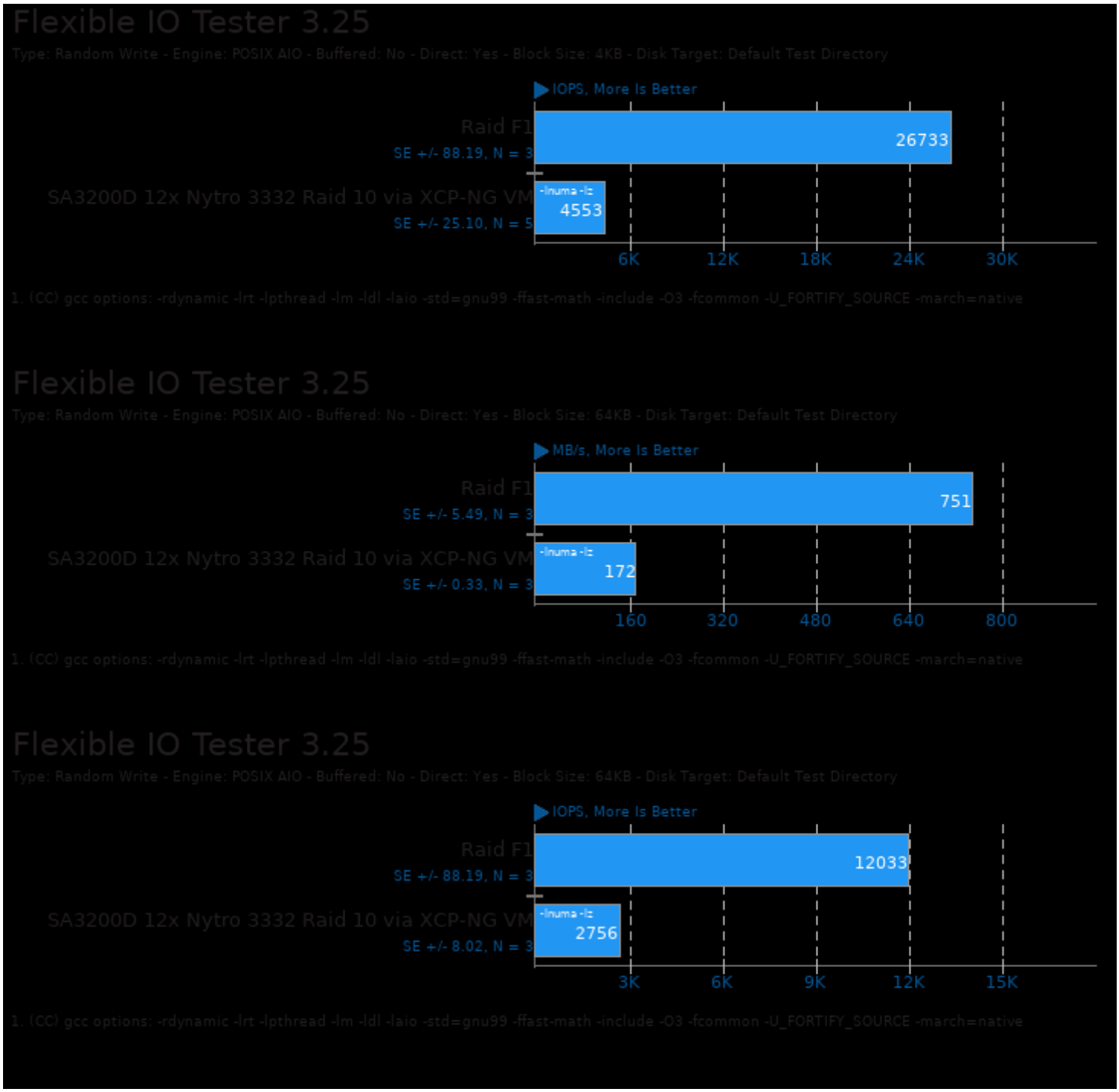
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

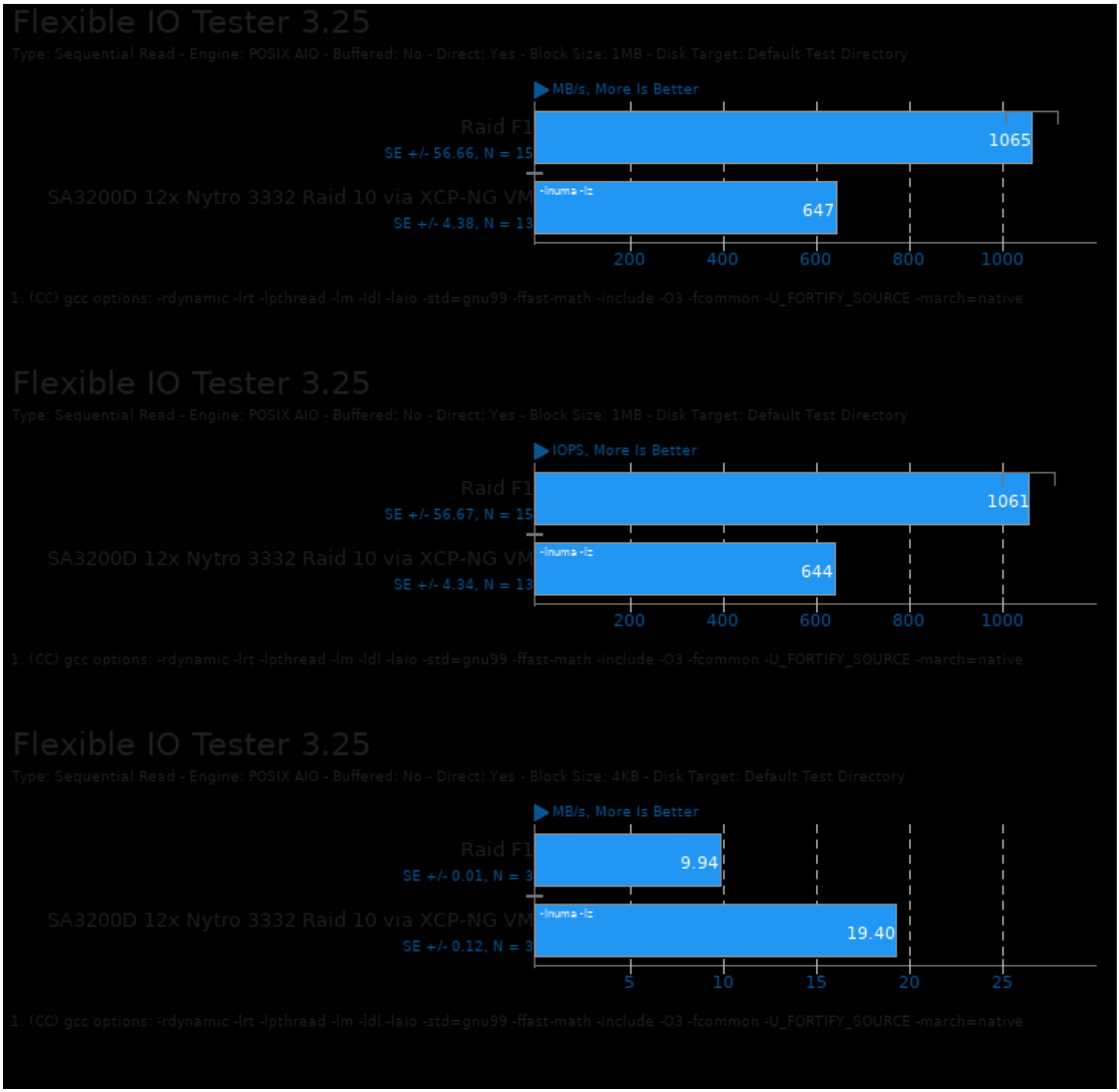
Flexible IO Tester 3.25

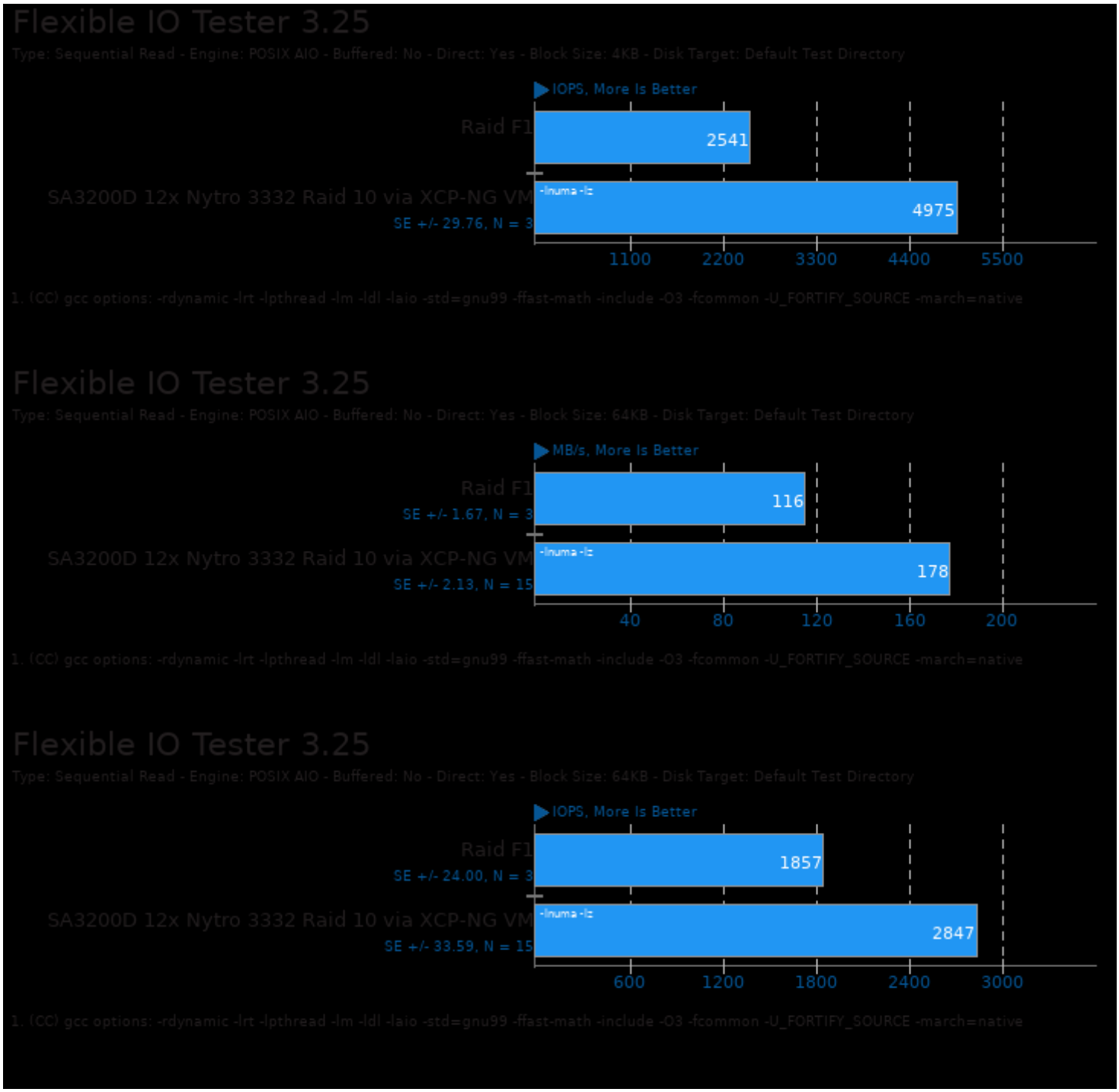
Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory

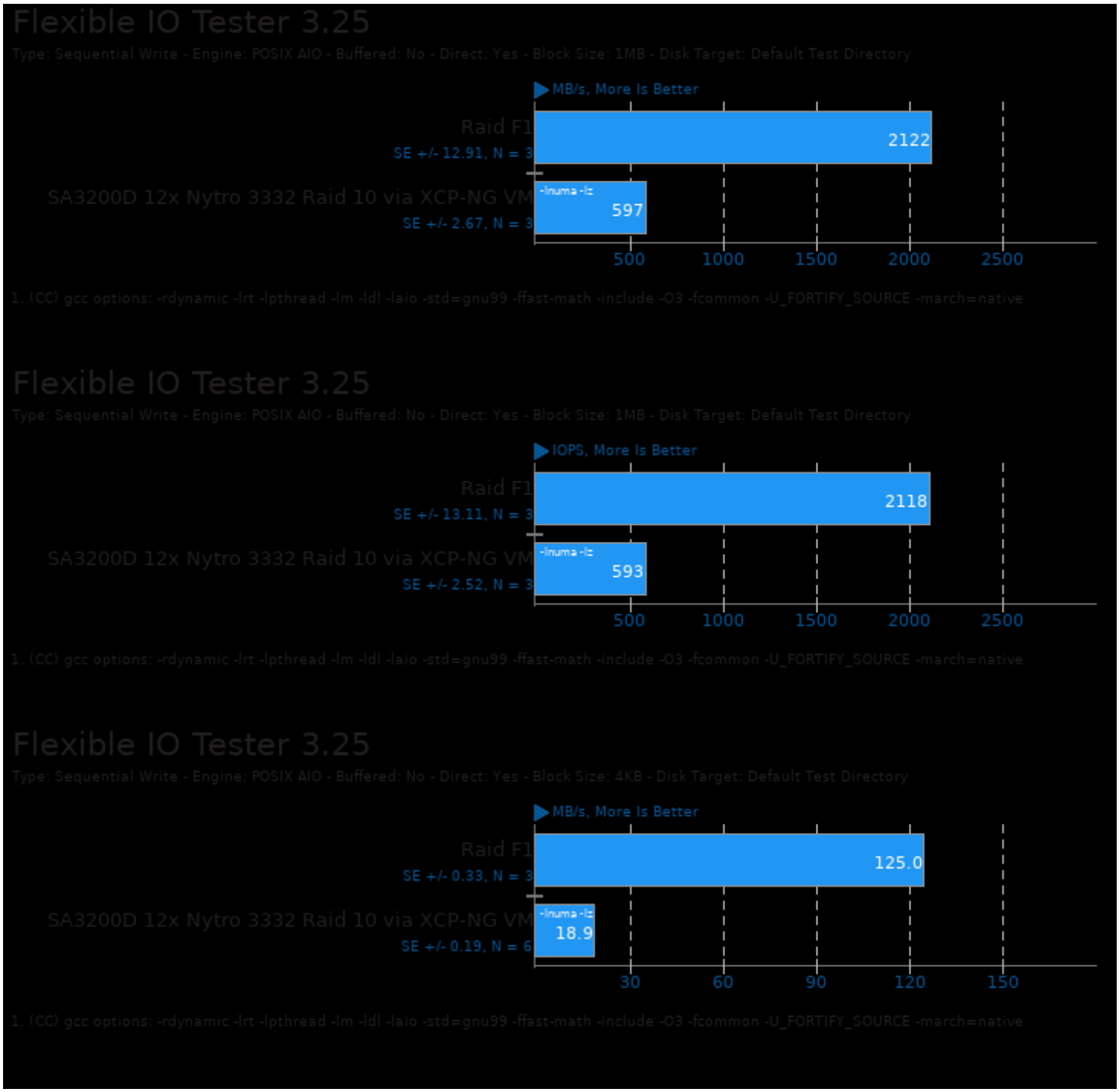


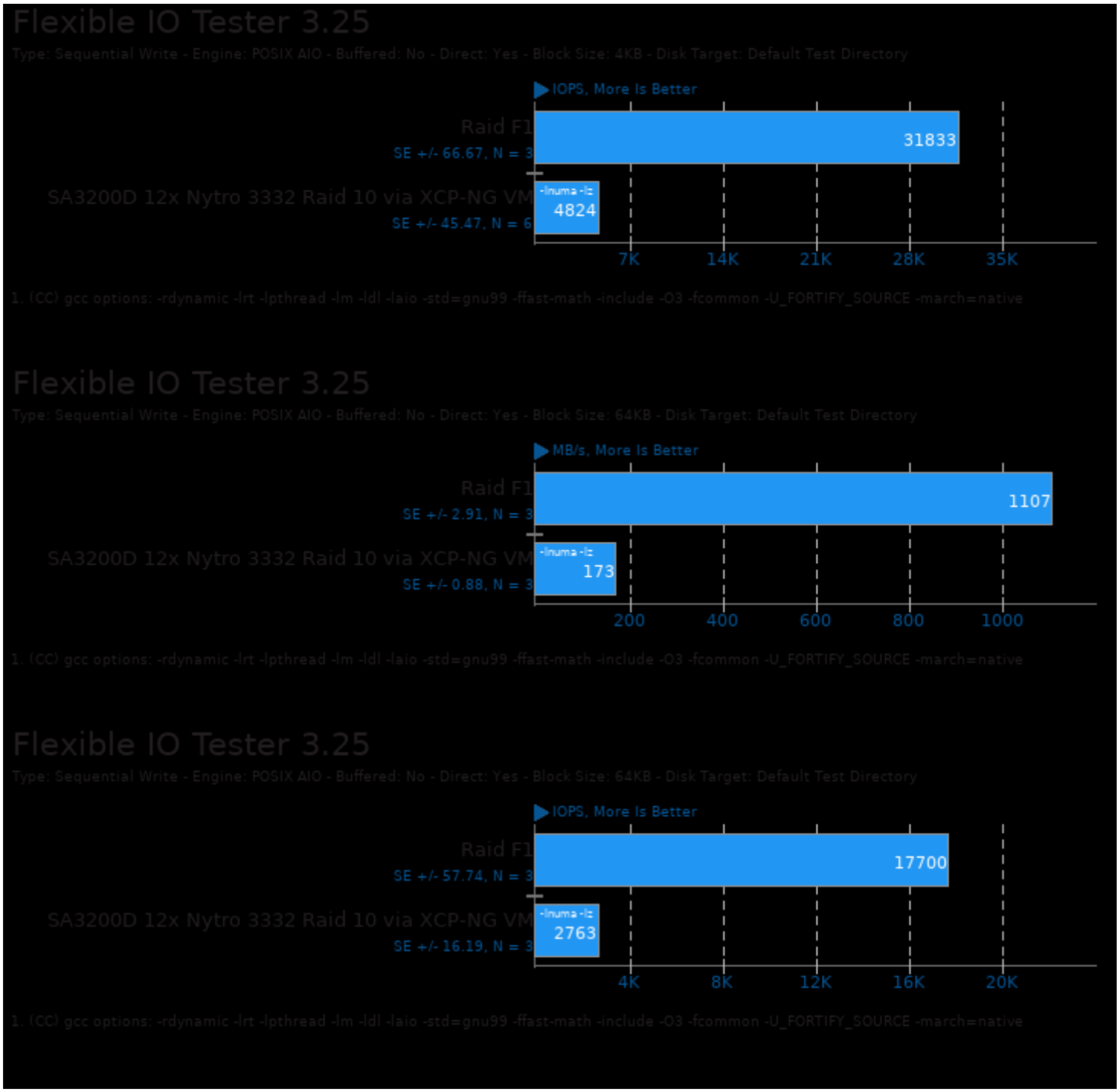
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native


Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
Raid F1
SE +/- 88.19, N = 3
26733
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
SE +/- 25.10, N = 5
4553
6K
12K
18K
24K
30K
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
MB/s, More Is Better
Raid F1
SE +/- 5.49, N = 3
751
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
SE +/- 0.33, N = 3
172
160
320
480
640
800
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
IOPS, More Is Better
Raid F1
SE +/- 88.19, N = 3
12033
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
SE +/- 8.02, N = 3
2756
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native


Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 1MB - Disk Target: Default Test Directory
MB/s, More Is Better
Raid F1
SE +/- 56.66, N = 15
1065
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
SE +/- 4.38, N = 13
647
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 1MB - Disk Target: Default Test Directory
IOPS, More Is Better
Raid F1
SE +/- 56.67, N = 15
1061
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
SE +/- 4.34, N = 13
644
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
Raid F1
SE +/- 0.01, N = 3
9.94
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
SE +/- 0.12, N = 3
19.40
5
10
15
20
25
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native


Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
Raid F1
2541
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
4975
SE +/- 29.76, N = 3
1100
2200
3300
4400
5500
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
MB/s, More Is Better
Raid F1
116
SE +/- 1.67, N = 3
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
178
SE +/- 2.13, N = 15
40
80
120
160
200
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: Default Test Directory
IOPS, More Is Better
Raid F1
1857
SE +/- 24.00, N = 3
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
2847
SE +/- 33.59, N = 15
600
1200
1800
2400
3000
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native


Flexible IO Tester 3.25
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 1MB - Disk Target: Default Test Directory
MB/s, More Is Better
Raid F1
SE +/- 12.91, N = 3
2122
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
SE +/- 2.67, N = 3
597
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 1MB - Disk Target: Default Test Directory
IOPS, More Is Better
Raid F1
SE +/- 13.11, N = 3
2118
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
SE +/- 2.52, N = 3
593
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native
Flexible IO Tester 3.25
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
Raid F1
SE +/- 0.33, N = 3
125.0
SA3200D 12x Nytro 3332 Raid 10 via XCP-NG VM
-lnuma -lz
SE +/- 0.19, N = 6
18.9
30
60
90
120
150
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 21:41.