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2 x Intel Xeon E5-2609 0 testing with a Cisco UCSC-C220-M3S (C220M3.3.0.4e.0.1106191007 BIOS) and Matrox MGA G200e [Pilot] on Debian 10 via the Phoronix Test Suite.

Test Systems:

ucsc220m3

Processor: 2 x Intel Xeon E5-2609 0 @ 2.40GHz (8 Cores), Motherboard: Cisco UCSC-C220-M3S (C220M3.3.0.4e.0.1106191007 BIOS), Chipset: Intel Xeon E5/Core, Memory: 32GB, Disk: 1996GB MR9266-8i, Graphics: Matrox MGA G200e [Pilot], Monitor: E22W-6 LED, Network: 2 x Intel I350

OS: Debian 10, Kernel: 4.19.0-13-amd64 (x86_64), Compiler: GCC 8.3.0, File-System: xfs, Screen Resolution: 1280x1024

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

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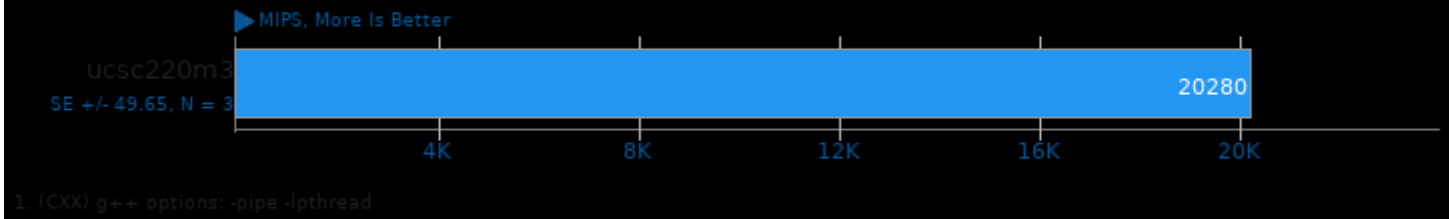
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x717
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation 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: Not affected

	ucsc220m3
7-Zip Compression - C.S.T (MIPS)	20280
Standard Deviation	0.4%
CacheBench - R.M.W (MB/s)	17254
Standard Deviation	0%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 4KB (MB/s)	3.164
Standard Deviation	1.2%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 4KB (IOPS)	787
Standard Deviation	1.2%
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 4KB (MB/s)	210
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 4KB (IOPS)	53733
Standard Deviation	0.3%
Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 4KB (MB/s)	344
Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 4KB (IOPS)	87233
Standard Deviation	0.8%
Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 4KB (MB/s)	213
Standard Deviation	0.5%
Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 4KB (IOPS)	54600
Standard Deviation	0.4%
PostgreSQL pgbench - 1 - 1 - Read Write (TPS)	1506
Standard Deviation	0.4%
PostgreSQL pgbench - 1 - 1 - Read Write - Average Latency (ms)	0.664
Standard Deviation	0.4%

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7-Zip Compression 16.02

Compress Speed Test



1. (CXX) g++ options: -pipe -lpthread

CacheBench

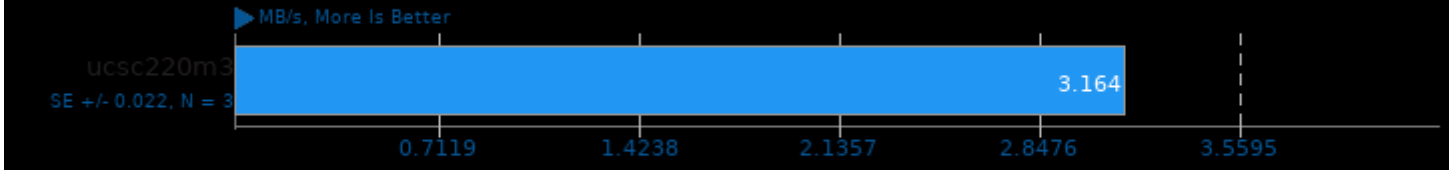
Test: Read / Modify / Write



1. (CC) gcc options: -lrt

Flexible IO Tester 3.25

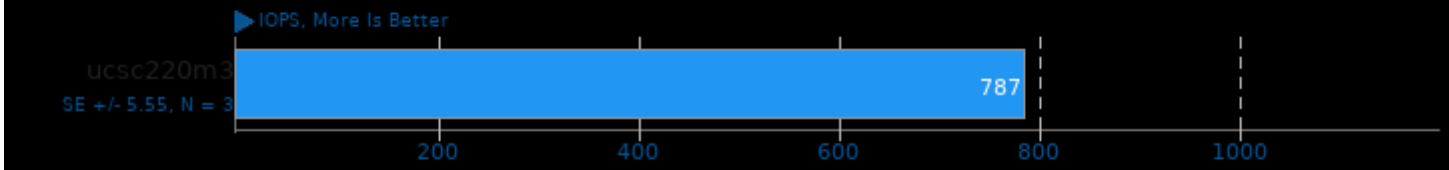
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory



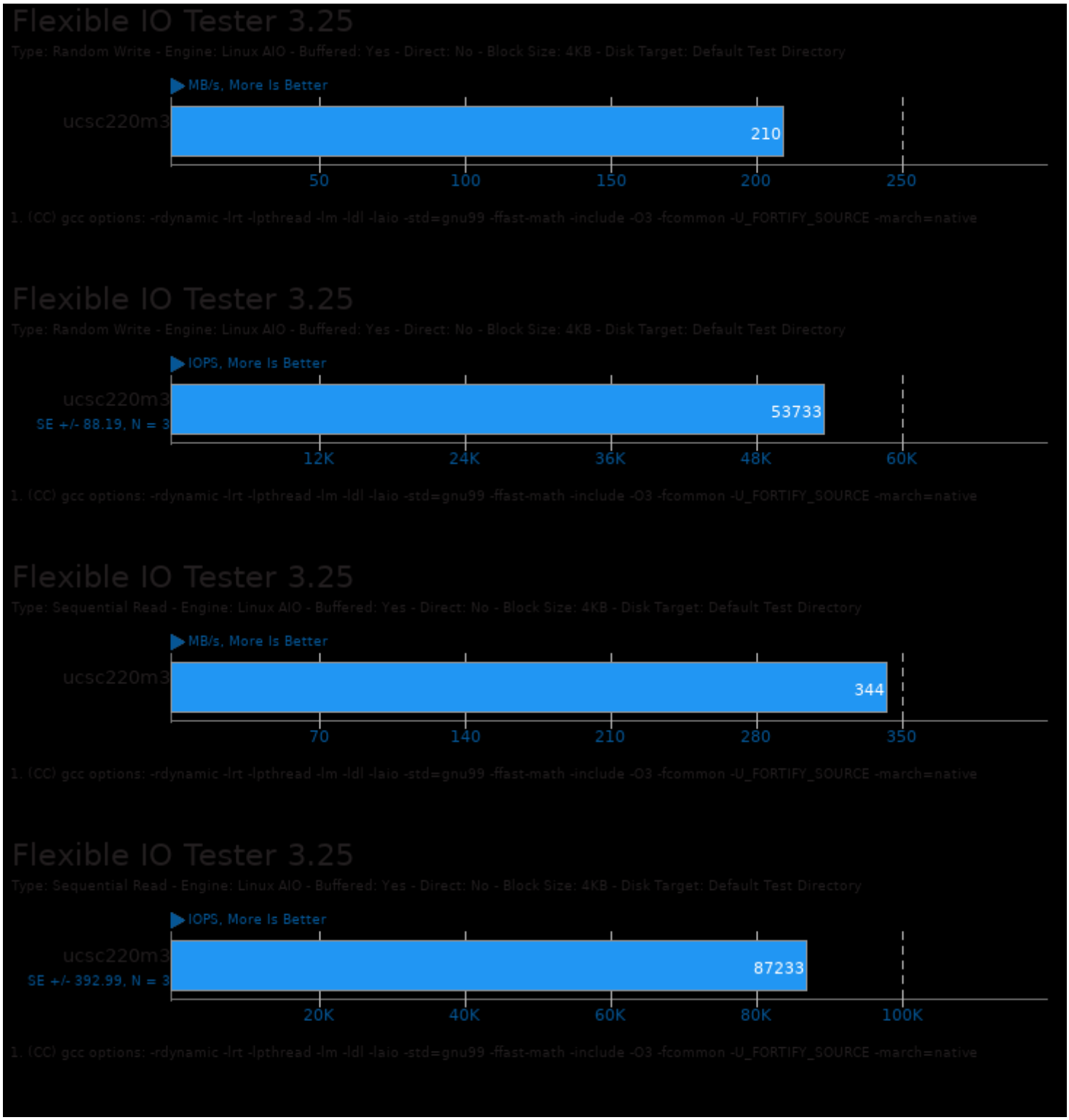
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.25

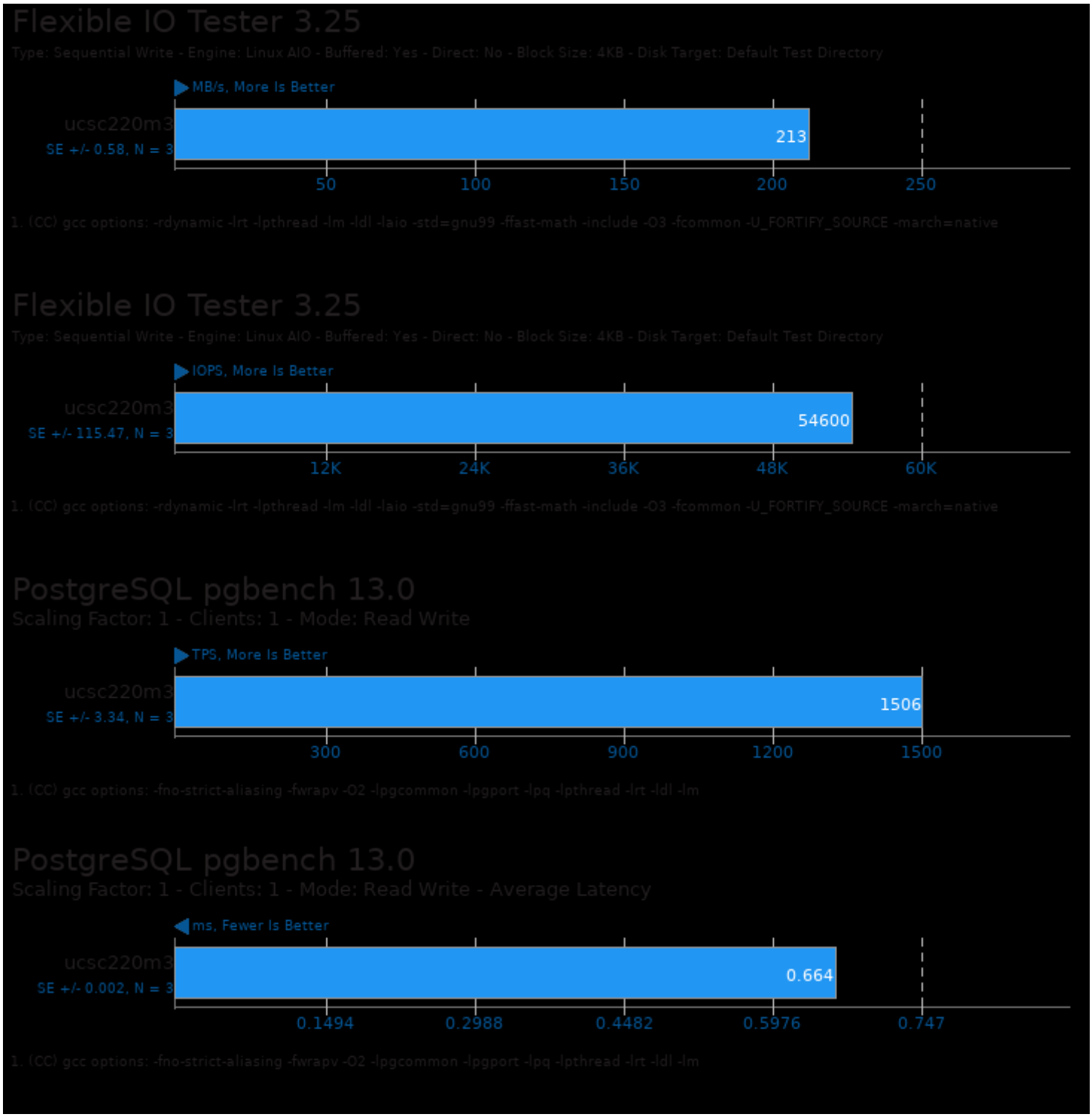
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory



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: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
ucsc220m3
210
50
100
150
200
250
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: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
ucsc220m3
SE +/- 88.19, N = 3
53733
12K
24K
36K
48K
60K
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: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
ucsc220m3
344
70
140
210
280
350
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: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
ucsc220m3
SE +/- 392.99, N = 3
87233
20K
40K
60K
80K
100K
1. (CC) gcc options: -rdynamic -lrt -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 07:47.