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vm121-netapps-iozone

KVM testing on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

vm121-netapps-iozone

Processor: Common KVM (2 Cores), Motherboard: QEMU Standard PC (i440FX + PIIX 1996) (rel-1.14.0-0-g155821a1990b-prebuilt.qemu.org BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 2048MB, Disk: 34GB QEMU HDD, Graphics: bochs-drmdrmfb, Monitor: QEMU Monitor, Network: Intel 82540EM

OS: Ubuntu 20.04, Kernel: 5.4.0-86-generic (x86_64), Vulkan: 1.0.2, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1024x768, System Layer: KVM

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

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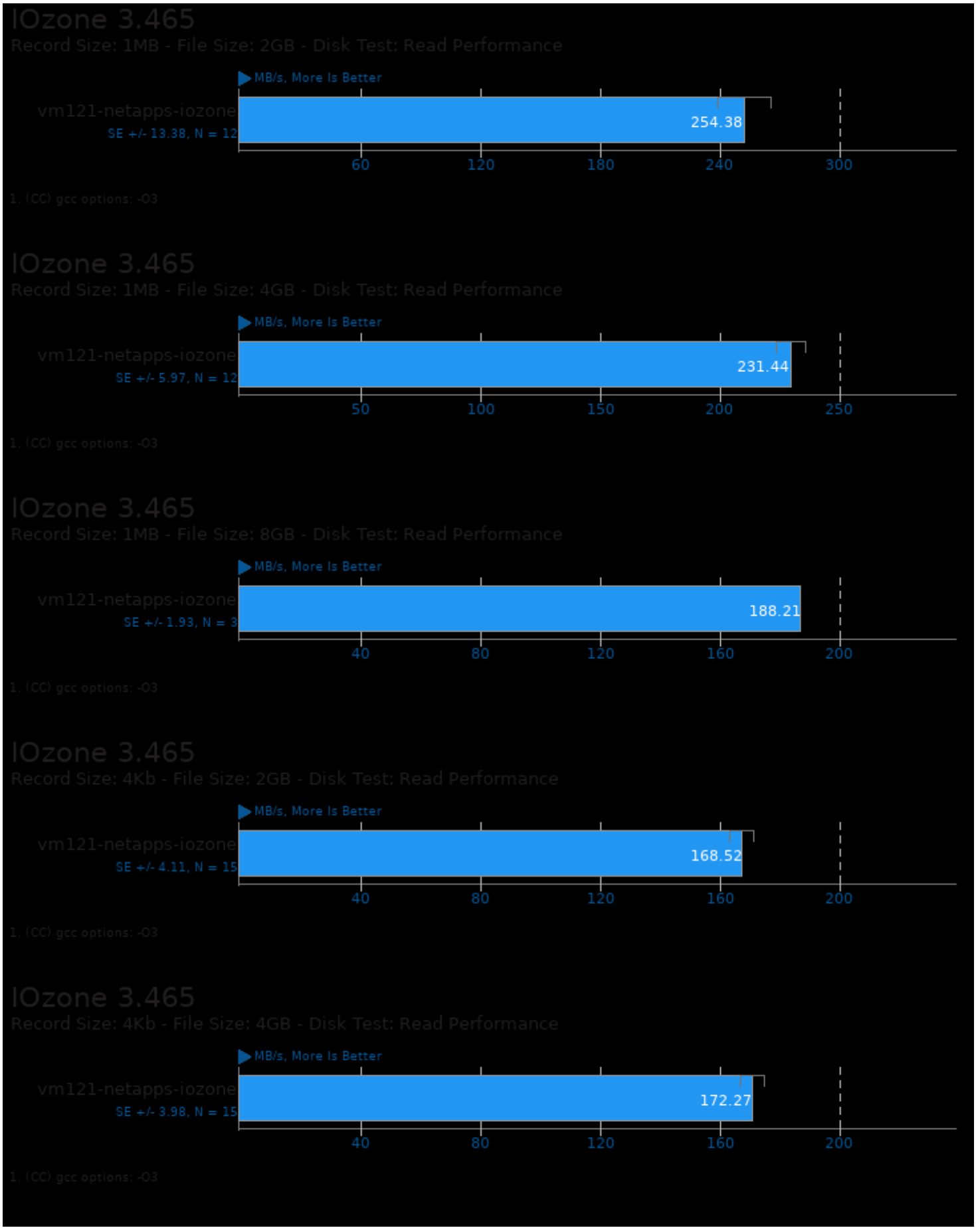
Processor Notes: CPU Microcode: 0x1
Security Notes: itlb_multihit: KVM: Vulnerable + l1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT Host state unknown + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	vm121-netapps-iozone
IOzone - 1MB - 2GB - Read Performance (MB/s)	254.38
Standard Deviation	18.2%
IOzone - 1MB - 4GB - Read Performance (MB/s)	231.44
Standard Deviation	8.9%
IOzone - 1MB - 8GB - Read Performance (MB/s)	188.207682292
Standard Deviation	1.8%
IOzone - 4Kb - 2GB - Read Performance (MB/s)	168.52
Standard Deviation	9.4%
IOzone - 4Kb - 4GB - Read Performance (MB/s)	172.27
Standard Deviation	9%
IOzone - 4Kb - 8GB - Read Performance (MB/s)	179.26
Standard Deviation	6.8%
IOzone - 1MB - 2GB - Write Performance (MB/s)	654.79
Standard Deviation	7.8%
IOzone - 1MB - 4GB - Write Performance (MB/s)	691.35
Standard Deviation	4.9%
IOzone - 1MB - 8GB - Write Performance (MB/s)	673.77
Standard Deviation	8.3%
IOzone - 4Kb - 2GB - Write Performance (MB/s)	659.25
Standard Deviation	7.5%
IOzone - 4Kb - 4GB - Write Performance (MB/s)	645.73
Standard Deviation	10.5%
IOzone - 4Kb - 8GB - Write Performance (MB/s)	667.86
Standard Deviation	6.6%
IOzone - 64Kb - 2GB - Read Performance (MB/s)	193.97
Standard Deviation	0.3%
IOzone - 64Kb - 4GB - Read Performance (MB/s)	196.83
Standard Deviation	1.8%
IOzone - 64Kb - 8GB - Read Performance (MB/s)	192.08
Standard Deviation	10.2%
IOzone - 1MB - 512MB - Read Performance (MB/s)	3746
Standard Deviation	10%
IOzone - 4Kb - 512MB - Read Performance (MB/s)	2044
Standard Deviation	8%
IOzone - 64Kb - 2GB - Write Performance (MB/s)	659.72
Standard Deviation	1.7%
IOzone - 64Kb - 4GB - Write Performance (MB/s)	646.57
Standard Deviation	8.4%
IOzone - 64Kb - 8GB - Write Performance (MB/s)	647.76
Standard Deviation	7.3%
IOzone - 1MB - 512MB - Write Performance (MB/s)	553.77
Standard Deviation	4.8%
IOzone - 4Kb - 512MB - Write Performance (MB/s)	496.20
Standard Deviation	1.3%

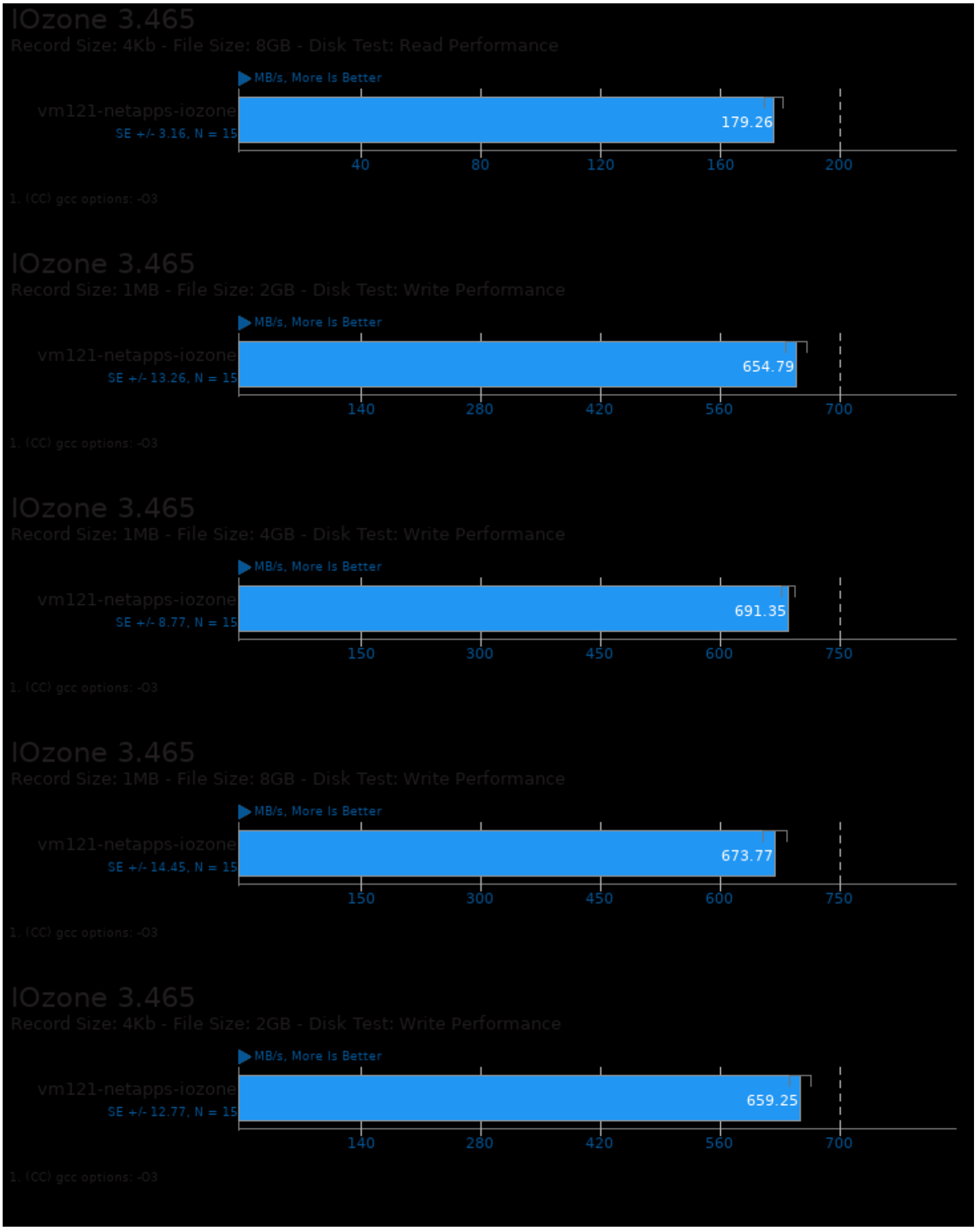
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IOzone - 64Kb - 512MB - Read Performance (MB/s)	3803
Standard Deviation	7.1%
IOzone - 64Kb - 512MB - Write Performance (MB/s)	560.31
Standard Deviation	0.7%

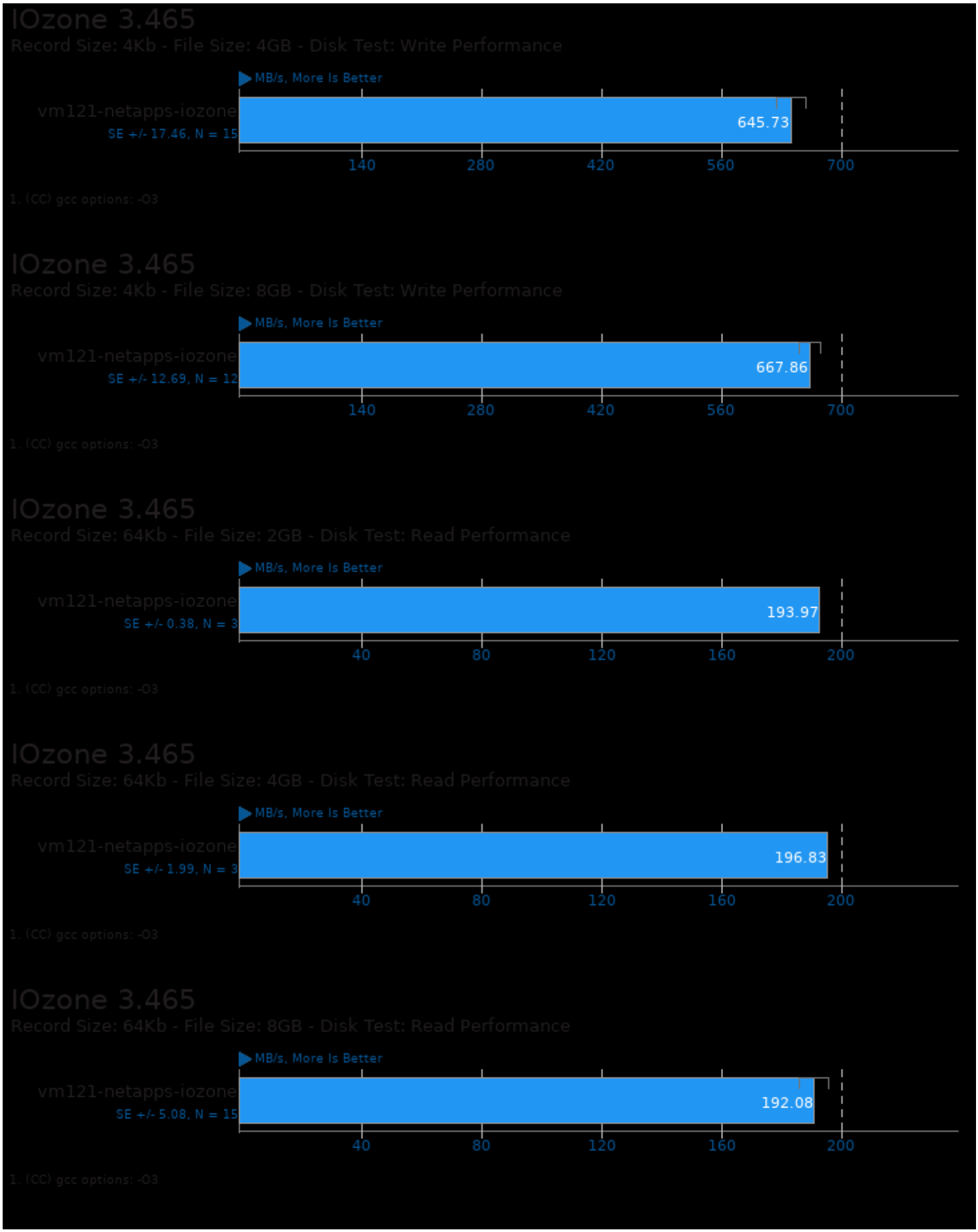
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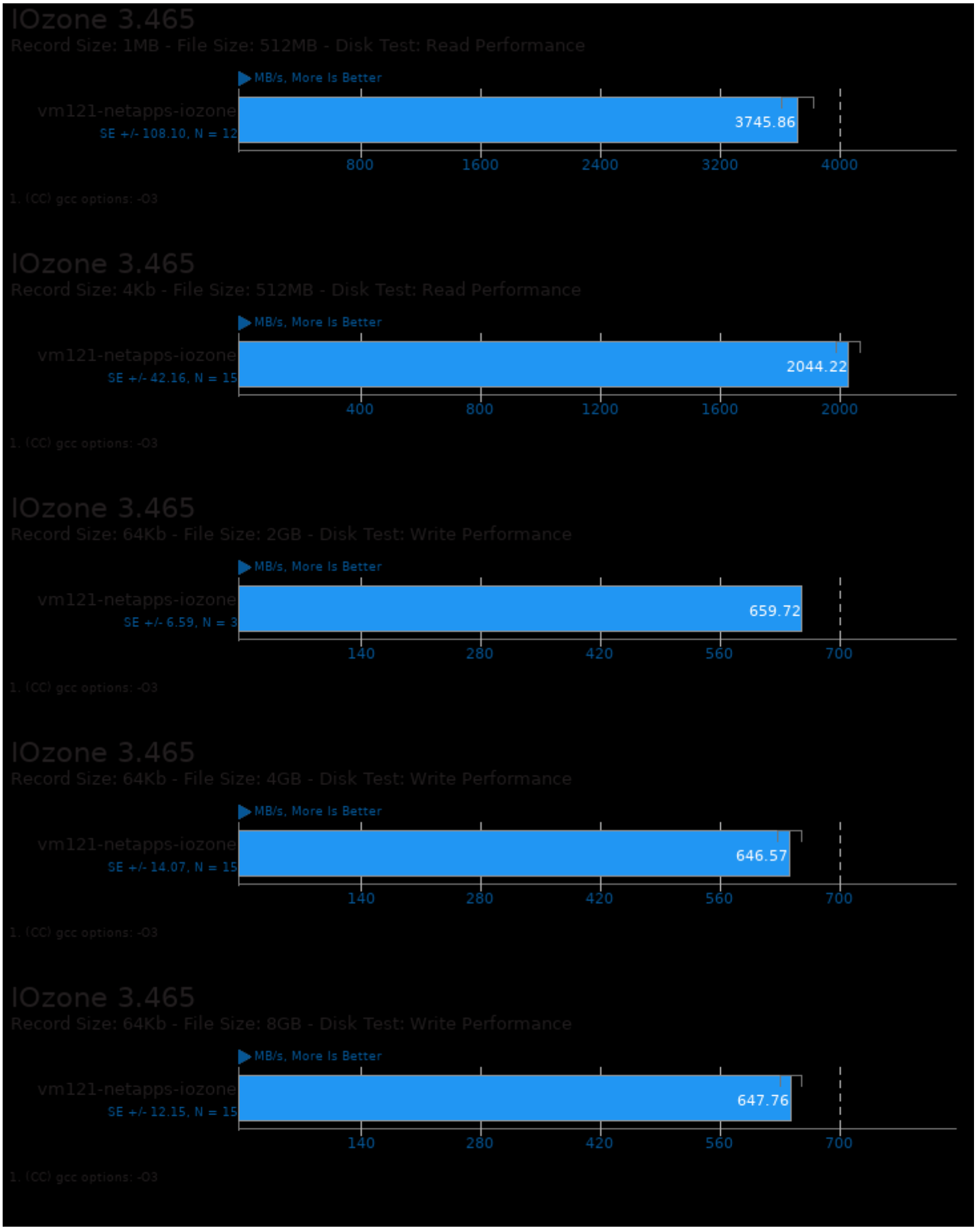
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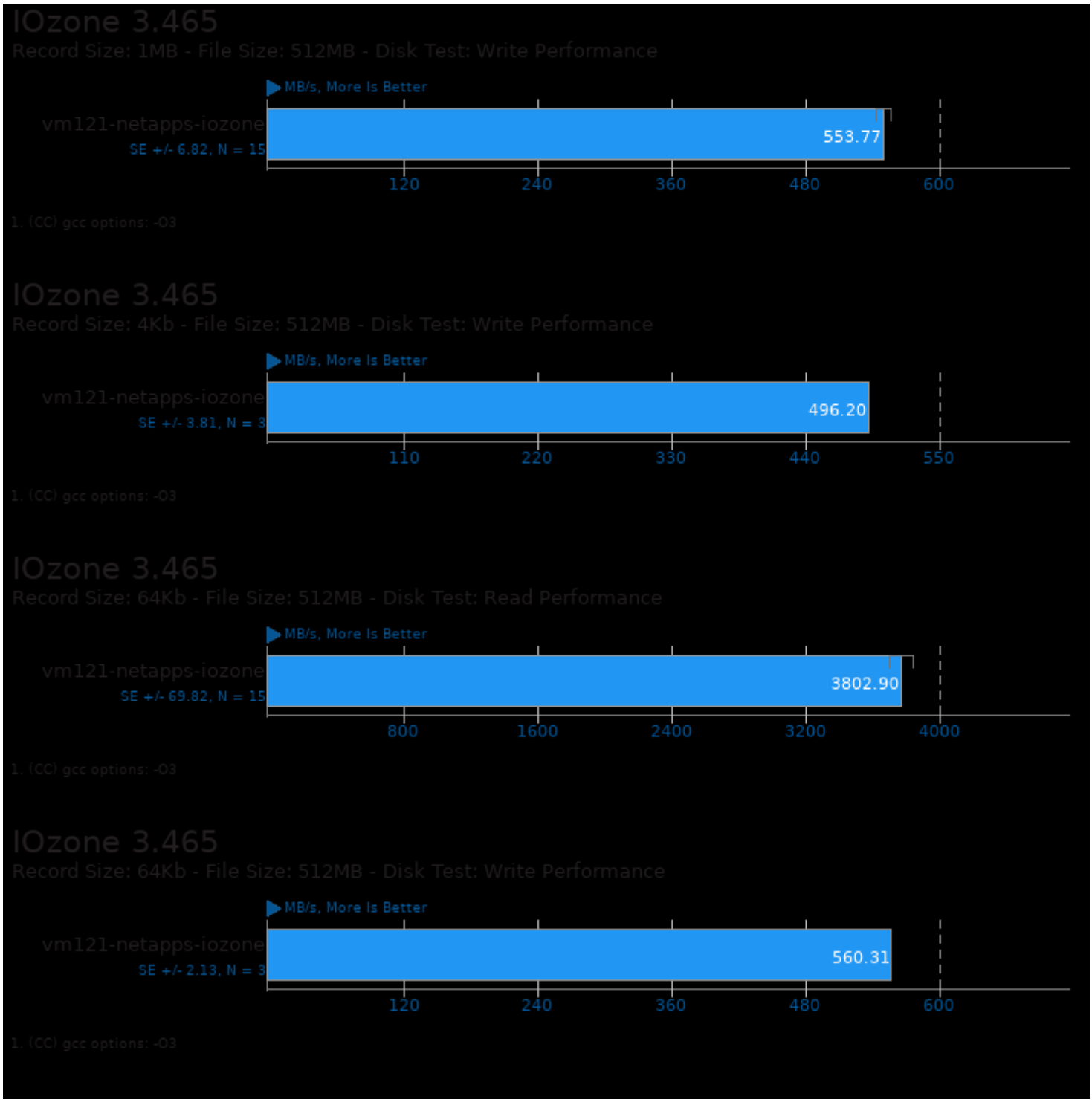
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