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m5a.large

KVM testing on Debian 10 via the Phoronix Test Suite.

Test Systems:

AMD EPYC 7571

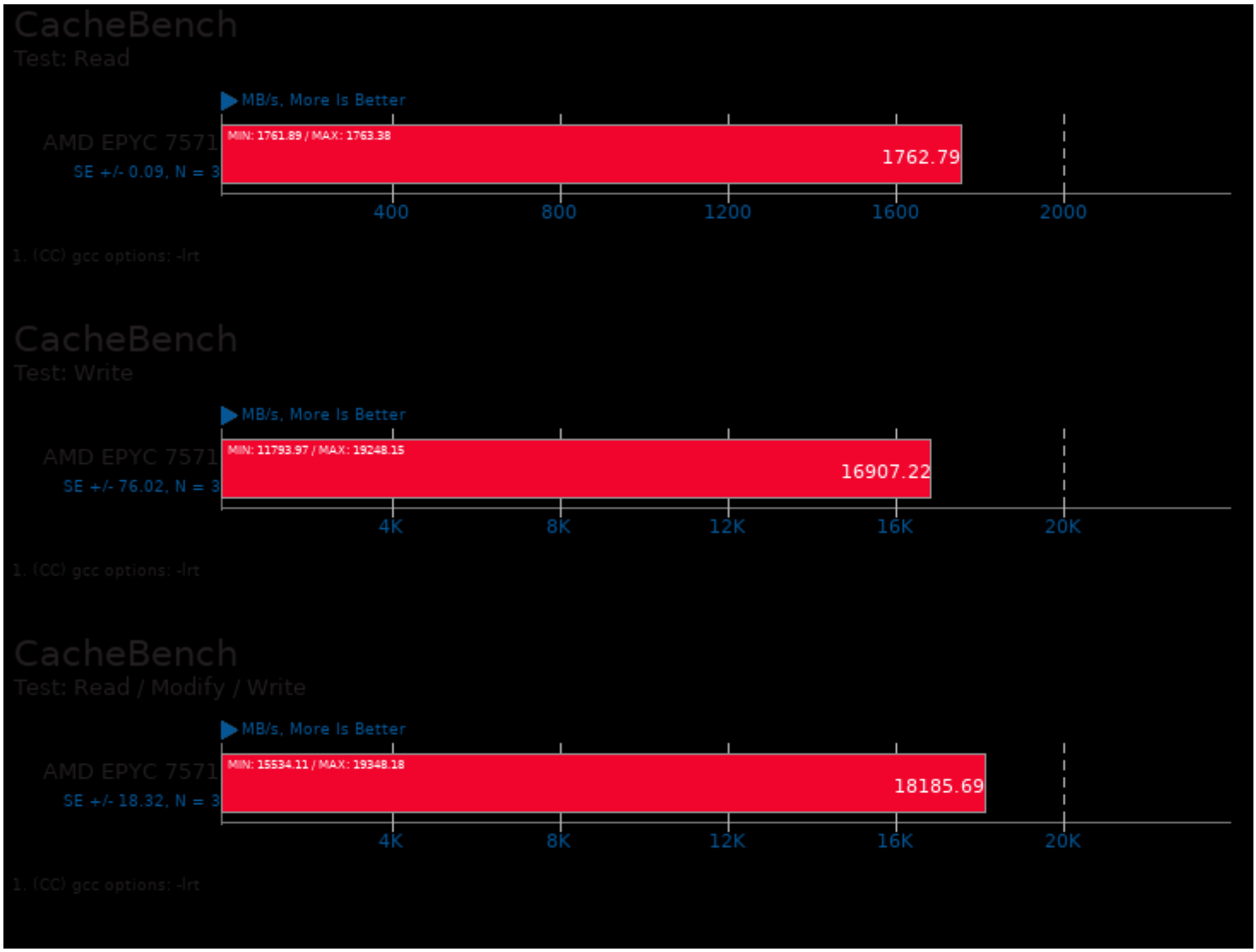
Processor: AMD EPYC 7571 (1 Core / 2 Threads), Motherboard: Amazon EC2 m5a.large (1.0 BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 8GB, Disk: 644GB Amazon Elastic Block Store, Network: Amazon Elastic

OS: Debian 10, Kernel: 4.19.0-16-cloud-amd64 (x86_64), Compiler: GCC 8.3.0, File-System: ext4, System Layer: KVM

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++ --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
Processor Notes: CPU Microcode: 0x800126c
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

m5a.large

	AMD EPYC 7571
CacheBench - Read (MB/s)	1763
Standard Deviation	0%
CacheBench - Write (MB/s)	16907
Standard Deviation	0.8%
CacheBench - R.M.W (MB/s)	18186
Standard Deviation	0.2%



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