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Storage

KVM testing on Debian 10 via the Phoronix Test Suite.

Test Systems:

Amazon Elastic Block Store

Processor: AMD EPYC 7R32 (2 Cores / 4 Threads), Motherboard: Amazon EC2 c5a.xlarge (1.0 BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 8GB, Disk: 644GB Amazon Elastic Block Store, Network: Amazon Elastic

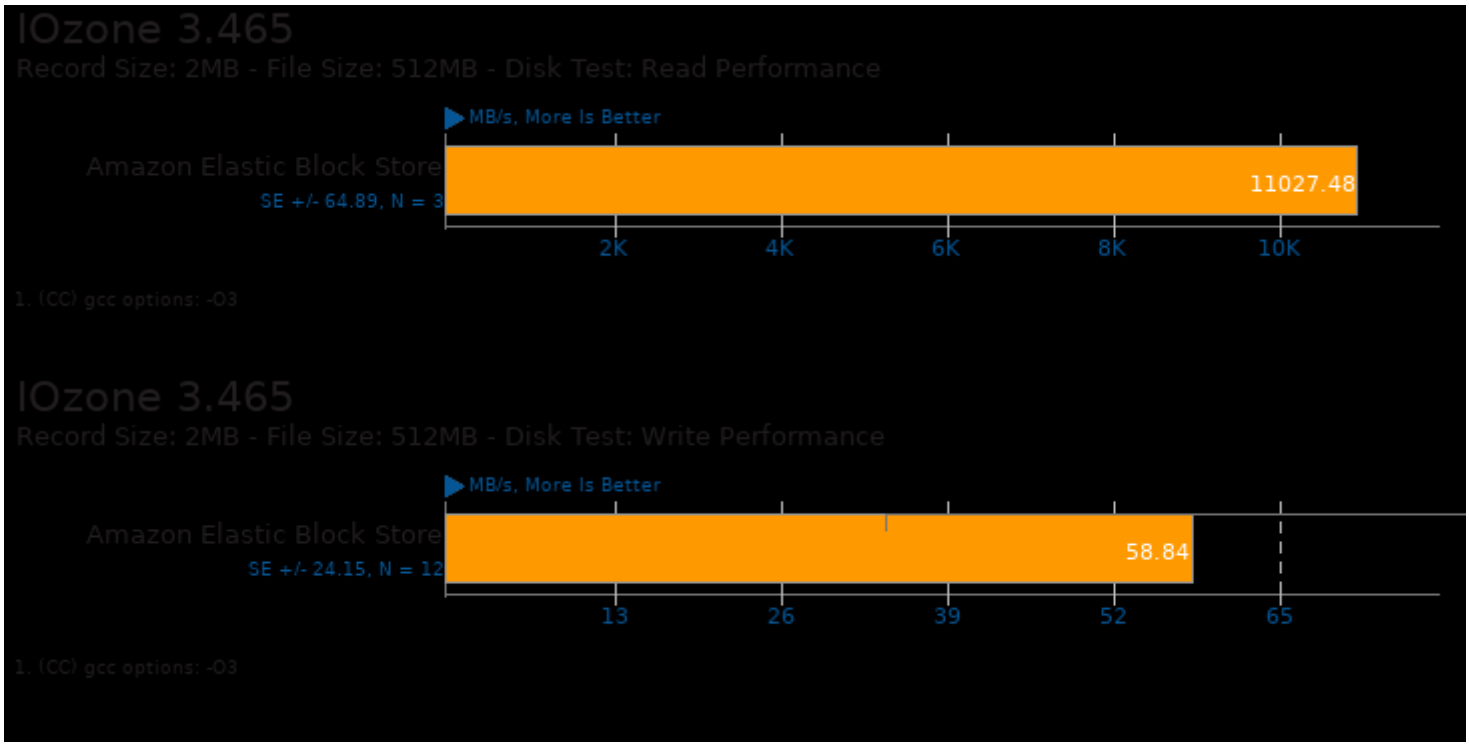
OS: Debian 10, Kernel: 4.19.0-16-cloud-amd64 (x86_64), Compiler: GCC 8.3.0, File-System: ext4, System Layer: KVM

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
Disk Notes: NONE / discard,errors=remount-ro,relatime,rw / Block Size: 4096
Processor Notes: CPU Microcode: 0x8301034
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 IBRS_FW

Storage

STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	Amazon Elastic Block Store
IOzone - 2MB - 512MB - Read Performance (MB/s)	11027
Standard Deviation	1%
IOzone - 2MB - 512MB - Write Performance (MB/s)	58.84
Standard Deviation	142.2%



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 03:17.