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CC23Assignment2

Xen HVM domU 4.11.amazon testing on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

t2.micro

Processor: Intel Xeon E5-2676 v3 (1 Core), Motherboard: Xen HVM domU (4.11.amazon BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 1024MB, Disk: 8GB, Graphics: Cirrus Logic GD 5446

OS: Ubuntu 20.04, Kernel: 5.15.0-1028-aws (x86_64), Vulkan: 1.1.182, Compiler: GCC 9.4.0, File-System: ext4, System Layer: Xen HVM domU 4.11.amazon

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-Av3uEd/gcc-9.4.0/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
Processor Notes: CPU Microcode: 0x49
Security Notes: itlb_multihit: KVM: Mitigation of VMX unsupported + l1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT Host

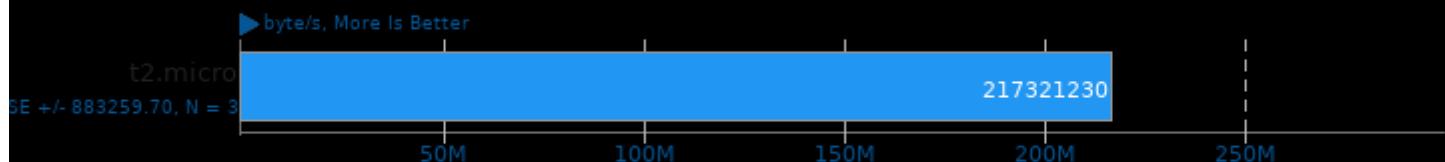
state unknown + meltdown: Mitigation of PTI + mmio_stale_data: Vulnerable: Clear buffers attempted no microcode; SMT Host state unknown + rebleed: Not affected + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines STIBP: disabled RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

t2.micro

OpenSSL - SHA256 (byte/s)	217321230
Standard Deviation	0.7%
OpenSSL - RSA4096 (sign/s)	119.8
Standard Deviation	0.1%
OpenSSL - RSA4096 (verify/s)	7850
Standard Deviation	0.4%
LAME MP3 Encoding - WAV To MP3 (sec)	14.195
Standard Deviation	1.3%

OpenSSL 3.0

Algorithm: SHA256



1. (CC) gcc options: -pthread -m64 -O3 -lcrypto -ldl

OpenSSL 3.0

Algorithm: RSA4096



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OpenSSL 3.0

Algorithm: RSA4096



1. (CC) gcc options: -pthread -m64 -O3 -lcrypto -ldl

LAME MP3 Encoding 3.100

WAV To MP3



1. (CC) gcc options: -O3 -ffast-math -funroll-loops -fschedule-insns2 -fbranch-count-reg -fforce-addr -pipe -lm

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 12:02.