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nettest.lg

Xen HVM domU 4.13 testing on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

network tests

Processor: 2 x Intel Xeon E5-2650 v4 (2 Cores), Motherboard: Xen HVM domU v4.13, Chipset: Intel 440FX 82441FX
PMC, Memory: 4096MB, Disk: 24GB, Graphics: Cirrus Logic GD 5446

OS: Ubuntu 20.04, Kernel: 5.4.0-90-generic (x86_64), Vulkan: 1.0.2, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1024x768, System Layer: Xen HVM domU 4.13

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
Processor Notes: CPU Microcode: 0xb00003e
Security Notes: itlb_multihit: KVM: Vulnerable + l1tf: Mitigation of PTE Inversion + mds: Mitigation of Clear buffers; SMT Host state unknown + 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 retrpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbd: Not affected + tsx_async_abort: Not affected

network tests**Ethr - TCP - Latency - 1 (us)** 105.82

Standard Deviation 11.3%

Ethr - HTTP - Bandwidth - 1 (Mbits/s) 217372148655

Standard Deviation 103.3%

Ethr - TCP - Connections/s - 1 (Connections/sec) 7993

Standard Deviation 166.2%

Sockperf - Throughput (Messages/sec) 218887

Standard Deviation 7.7%

Sockperf - Latency Ping Pong (usec) 31.305

Standard Deviation 5.2%

Sockperf - Latency Under Load (usec) 42.287

Standard Deviation 18.6%

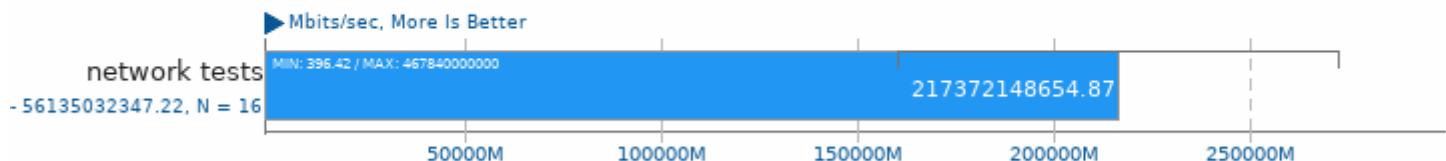
Ethr 2019-01-02

Server Address: localhost - Protocol: TCP - Test: Latency - Threads: 1



Ethr 2019-01-02

Server Address: localhost - Protocol: HTTP - Test: Bandwidth - Threads: 1



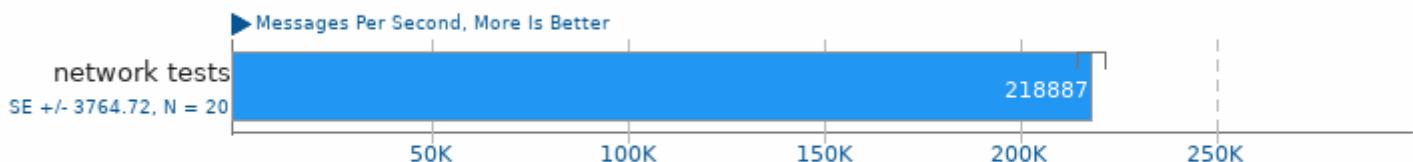
Ethr 2019-01-02

Server Address: localhost - Protocol: TCP - Test: Connections/s - Threads: 1



Sockperf 3.4

Test: Throughput



1. (CXX) g++ options: --param -O3 -rdynamic -ldl -lpthread

Sockperf 3.4

Test: Latency Ping Pong



1. (CXX) g++ options: --param -O3 -rdynamic -ldl -lpthread

Sockperf 3.4

Test: Latency Under Load



1. (CXX) g++ options: -param -O3 -rdynamic -ldl -lpthread

This file was automatically generated via the Phoronix Test Suite benchmarking software on Sunday, 22 May 2022 09:23.