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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

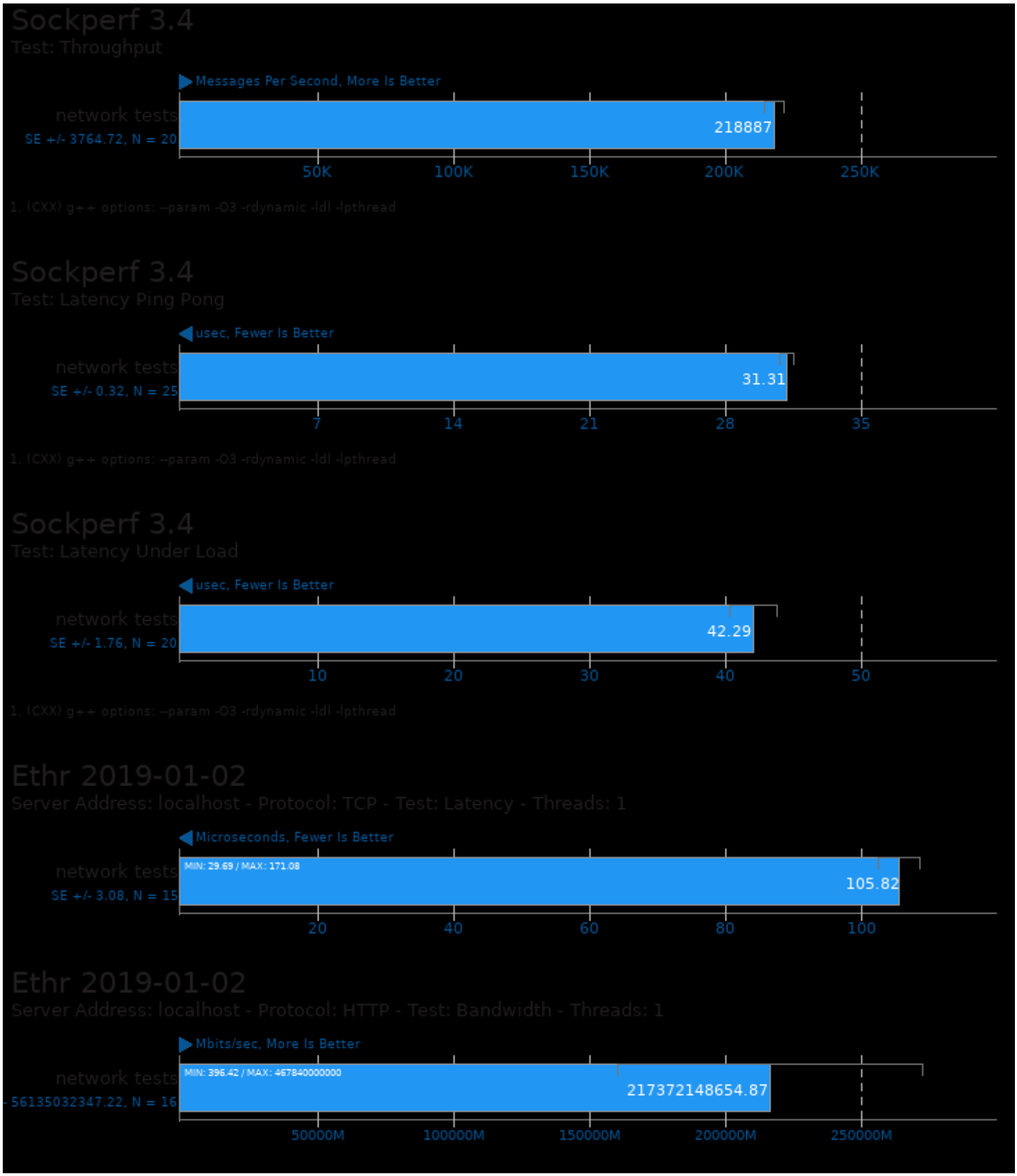
OS: Ubuntu 20.04, Kernel: 5.4.0-90-generic (x86_64), Vulkan: 1.0.2, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1024x768, System Layer: Xen HVM domU 4.13

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 +

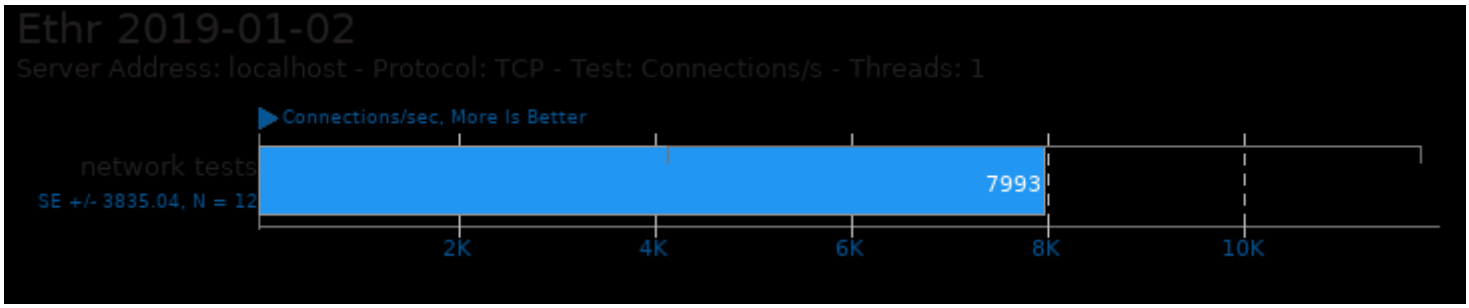
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spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	network tests
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 - 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 3.4
Test: Throughput
Messages Per Second, More Is Better
network tests
SE +/- 3764.72, N = 20
218887
50K
100K
150K
200K
250K
1. (CXX) g++ options: -param -O3 -rdynamic -ldl -lpthread
Sockperf 3.4
Test: Latency Ping Pong
usec, Fewer Is Better
network tests
SE +/- 0.32, N = 25
31.31
7
14
21
28
35
1. (CXX) g++ options: -param -O3 -rdynamic -ldl -lpthread
Sockperf 3.4
Test: Latency Under Load
usec, Fewer Is Better
network tests
SE +/- 1.76, N = 20
42.29
10
20
30
40
50
1. (CXX) g++ options: -param -O3 -rdynamic -ldl -lpthread
Ethr 2019-01-02
Server Address: localhost - Protocol: TCP - Test: Latency - Threads: 1
Microseconds, Fewer Is Better
network tests
SE +/- 3.08, N = 15
MIN: 29.69 / MAX: 171.08
105.82
20
40
60
80
100
Ethr 2019-01-02
Server Address: localhost - Protocol: HTTP - Test: Bandwidth - Threads: 1
Mbits/sec, More Is Better
network tests
- 56135032347.22, N = 16
MIN: 396.42 / MAX: 467840000000
217372148654.87
50000M
100000M
150000M
200000M
250000M

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 11:26.