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stressng

AMD Ryzen 7 1700 Eight-Core testing with a Gigabyte AB350-Gaming 3-CF (F5 BIOS) and eVGA NVIDIA GeForce GTX 1060 6GB on Ubuntu 19.10 via the Phoronix Test Suite.

Test Systems:

AMD Ryzen 7 1700 Eight-Core - eVGA NVIDIA GeForce GTX

Processor: AMD Ryzen 7 1700 Eight-Core @ 3.00GHz (8 Cores / 16 Threads), Motherboard: Gigabyte AB350-Gaming 3-CF (F5 BIOS), Chipset: AMD 17h, Memory: 32GB, Disk: 256GB SAMSUNG MZVPW256HEGL-00000 + 4001GB Western Digital WD40EFRX-68W, Graphics: eVGA NVIDIA GeForce GTX 1060 6GB (1506/4006MHz), Audio: NVIDIA GP106 HD Audio, Monitor: 2 x Dell S2417DG, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 19.10, Kernel: 5.3.0-7642-generic (x86_64), Desktop: GNOME Shell 3.34.3, Display Server: X Server 1.20.5, Display Driver: NVIDIA 440.64, OpenGL: 4.6.0, Compiler: GCC 9.2.1 20191008 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 5120x1440

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++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch

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--enable-multilib --enable-nls --enable-offload-targets=nvptx-none,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: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8001105
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 STIBP: disabled RSB filling + tsx_async_abort: Not affected

	AMD Ryzen 7 1700 Eight-Core - eVGA NVIDIA GeForce GTX
Stress-NG - Crypto (Bogo Ops/s)	1791
Standard Deviation	0.6%
Stress-NG - Bsearch (Bogo Ops/s)	3998
Standard Deviation	0.9%
Stress-NG - Forking (Bogo Ops/s)	49646
Standard Deviation	1.5%
Stress-NG - Hsearch (Bogo Ops/s)	43749
Standard Deviation	0.1%
Stress-NG - Lsearch (Bogo Ops/s)	94.50
Standard Deviation	0.2%
Stress-NG - Tsearch (Bogo Ops/s)	124.26
Standard Deviation	0.2%
Stress-NG - CPU Stress (Bogo Ops/s)	2427
Standard Deviation	0.2%
Stress-NG - Semaphores (Bogo Ops/s)	3136167
Standard Deviation	2.8%
Stress-NG - Matrix Math (Bogo Ops/s)	44598
Standard Deviation	0.1%
Stress-NG - Vector Math (Bogo Ops/s)	20851
Standard Deviation	0%
Stress-NG - Memory Copying (Bogo Ops/s)	1424
Standard Deviation	0.1%
Stress-NG - Socket Activity (Bogo Ops/s)	4000
Standard Deviation	1.7%
Stress-NG - Context Switching (Bogo Ops/s)	2661162
Standard Deviation	0.2%
Stress-NG - G.C.S.F (Bogo Ops/s)	509224
Standard Deviation	7.8%
Stress-NG - G.Q.D.S (Bogo Ops/s)	99.34
Standard Deviation	0.8%
Stress-NG - S.V.M.P (Bogo Ops/s)	11850039
Standard Deviation	2.2%

Stress-NG 0.07.26

Test: Crypto



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Bsearch



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Forking



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Hsearch



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Lsearch



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Tsearch



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: CPU Stress



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Semaphores



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Matrix Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

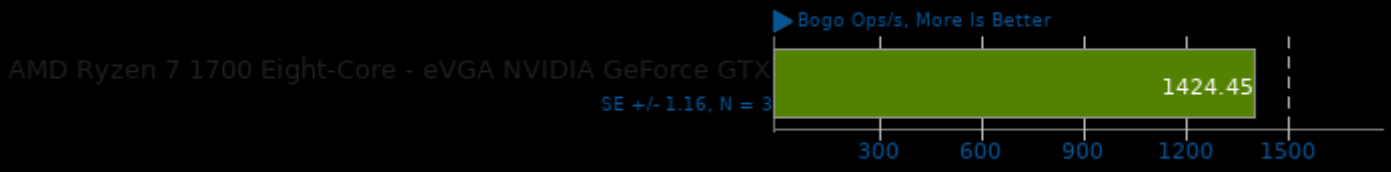
Test: Vector Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Memory Copying



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Socket Activity



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Context Switching



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Glibc C String Functions



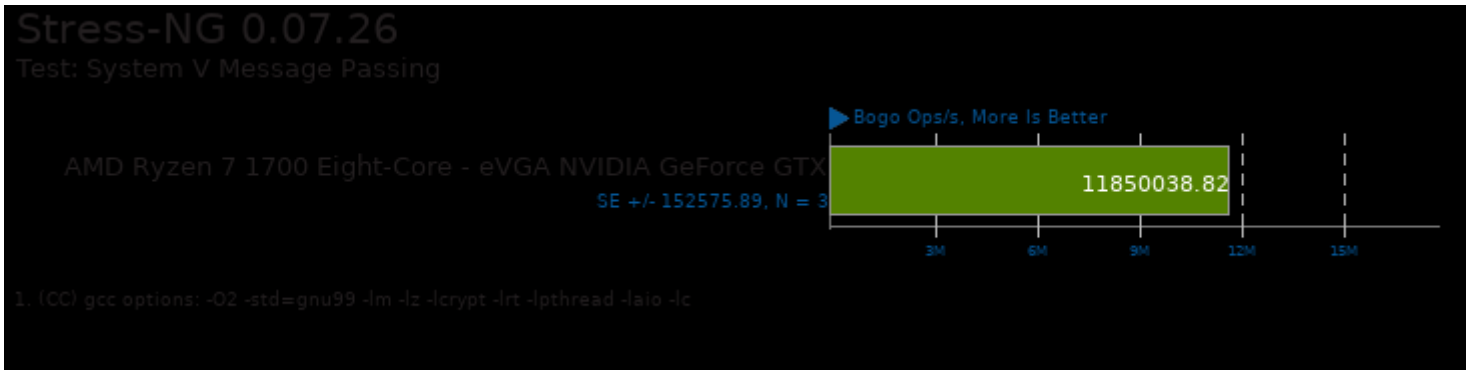
1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc

Stress-NG 0.07.26

Test: Glibc Qsort Data Sorting



1. (CC) gcc options: -O2 -std=gnu99 -lm -lz -lcrypt -lrt -lpthread -laio -lc



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