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5800x-3

Intel Core i9-9900K testing with a EVGA 121-KS-E375 v1.0 (1.09 BIOS) and ASUS NVIDIA GeForce GTX 1080 Ti 11GB on Gentoo 2.7 via the Phoronix Test Suite.

Test Systems:

5800x-3

Processor: AMD Ryzen 7 5800X 8-Core @ 3.80GHz (8 Cores / 16 Threads), Motherboard: MSI MPG X570 GAMING EDGE WIFI (MS-7C37) v1.0 (1.C0 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 500GB Western Digital WDS500G2X0C-00L350 + PNY CS900 240GB + 31GB USB DISK 3.0, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 8GB (1366/2000MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: Acer ET322QK + S24R65x, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Fedora 33, Kernel: 5.9.10-200.fc33.x86_64 (x86_64), Desktop: GNOME Shell 3.38.1, Display Server: X Server 1.20.9 + Wayland, Display Driver: modesetting 1.20.9, OpenGL: 4.6 Mesa 20.2.2 (LLVM 11.0.0), Compiler: GCC 10.2.1 20201016 + Clang 11.0.0, File-System: btrfs, Screen Resolution: 5760x2160

Compiler Notes: --build=x86_64-redhat-linux --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-cet --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,fortran,objc,obj-c++,ada,go,d,lto --enable-multilib --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-gcc-major-version-only --with-isl --with-linker-hash-style=gnu --with-tune=generic --without-cuda-driver
Processor Notes: Scaling Governor: acpi-cpufreq schedutil - CPU Microcode: 0xa201009
Security Notes: SELinux + 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 STIBP: always-on RSB filling + srbds: Not affected + tsx_async_abort: Not affected

1680v2 4.5GHz 1600QDDR3

Processor: Intel Xeon E5-1680 v2 @ 4.50GHz (8 Cores / 16 Threads), Motherboard: ASRock X79 Extreme9 (L3.61 BIOS), Chipset: Intel Xeon E7 v2/Xeon, Memory: 8 GB + 4 GB + 8 GB + 4 GB + 8 GB + 4 GB + 8 GB + 4 GB DDR3-1600MT/s, Disk: 2000GB Western Digital WD2003FZEX-0 + 1000GB Western Digital WD10EVVS-63M + 1500GB SAMSUNG HD155UI + 640GB Western Digital WD6400AAKS-0, Graphics: MSI NVIDIA GeForce GTX 750 Ti 2GB, Audio: NVIDIA GM107 HD Audio, Network: 2 x Broadcom NetLink BCM57781 PCIe

OS: Gentoo/Linux, Kernel: 5.4.2-gentoo (x86_64), Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, Compiler: GCC 10.2.0 + CUDA 11.1, File-System: ext4

Compiler Notes: --bindir=/usr/x86_64-pc-linux-gnu/gcc-bin/10.2.0 --build=x86_64-pc-linux-gnu --datadir=/usr/share/gcc-data/x86_64-pc-linux-gnu/10.2.0 --disable-esp --disable-fixed-point --disable-isl-version-check --disable-libada --disable-libssp --disable-systemtap --disable-werror --enable-__cxa_atexit --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-languages=c,c++,fortran --enable-libgomp --enable-libstdcxx-time --enable-lto --enable-multilib --enable-nls --enable-obsolete --enable-secureplt --enable-shared --enable-targets=all --enable-threads=posix --enable-vtable-verify --host=x86_64-pc-linux-gnu --includedir=/usr/lib/gcc/x86_64-pc-linux-gnu/10.2.0/include --mandir=/usr/share/gcc-data/x86_64-pc-linux-gnu/10.2.0/man --with-isl --with-multilib-list=m32,m64 --with-python-dir=/share/gcc-data/x86_64-pc-linux-gnu/10.2.0/python --without-zstd
Processor Notes: Scaling Governor: intel_pstate performance - CPU Microcode: 0x416
Security Notes: itlb_multihit: KVM: Vulnerable + l1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling + tsx_async_abort: Not affected

9900K 50x47 3900C15

Processor: Intel Core i9-9900K @ 5.00GHz (8 Cores / 16 Threads), Motherboard: EVGA 121-KS-E375 v1.0 (1.09 BIOS), Chipset: Intel 8th/9th, Memory: 32GB, Disk: Samsung SSD 970 EVO 500GB + 256GB PLEXTOR PX-256M6 + 240GB KINGSTON SH103S3 + 2000GB Western Digital WD2003FZEX-0 + 2000GB Samsung SSD 860, Graphics: ASUS NVIDIA GeForce GTX 1080 Ti 11GB, Audio: NVIDIA GP102 HDMI Audio, Network: Intel I219-V

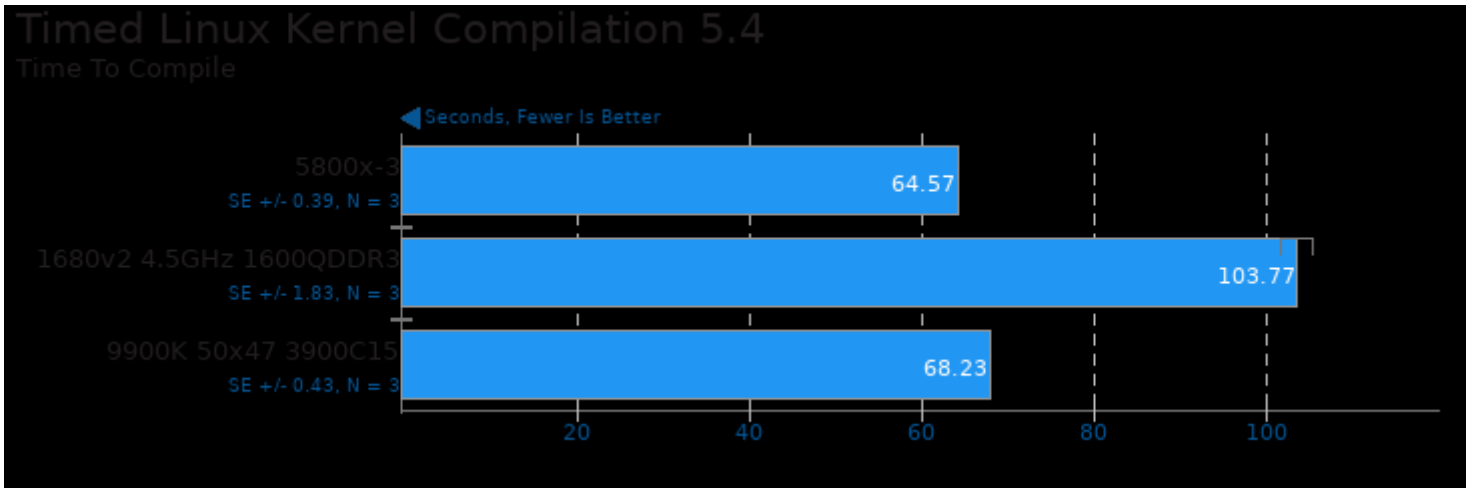
OS: Gentoo 2.7, Kernel: 5.9.10-zen1 (x86_64), Desktop: KDE Plasma, Display Server: X Server 1.20.8, Vulkan: 1.2.142, Compiler: GCC 10.2.0 + Clang 11.0.0Target: + LLVM 11.0.0 + CUDA 11.1, File-System: reiserfs

Compiler Notes: --bindir=/usr/x86_64-pc-linux-gnu/gcc-bin/10.2.0 --build=x86_64-pc-linux-gnu --datadir=/usr/share/gcc-data/x86_64-pc-linux-gnu/10.2.0 --disable-esp --disable-fixed-point --disable-isl-version-check --disable-libada --disable-libssp --disable-systemtap --disable-werror --enable-__cxa_atexit --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-languages=c,c++,fortran --enable-libgomp --enable-libstdcxx-time --enable-lto --enable-multilib --enable-nls --enable-obsolete --enable-secureplt --enable-shared --enable-targets=all --enable-threads=posix --enable-vtable-verify --host=x86_64-pc-linux-gnu --includedir=/usr/lib/gcc/x86_64-pc-linux-gnu/10.2.0/include --mandir=/usr/share/gcc-data/x86_64-pc-linux-gnu/10.2.0/man --with-isl --with-multilib-list=m32,m64 --with-python-dir=/share/gcc-data/x86_64-pc-linux-gnu/10.2.0/python --without-zstd
Processor Notes: Scaling Governor: intel_pstate performance - CPU Microcode: 0x98
Security Notes: itlb_multihit: KVM: Mitigation of VMX unsupported + l1tf: Not affected + mds: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + 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 generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbds: Vulnerable: No microcode + tsx_async_abort: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable

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Timed Linux Kernel Compilation - Time To Compile (sec)	**64.573**	**103.768**	68.233
Normalized	100%	62.23%	94.64%
Standard Deviation	1%	3.1%	1.1%



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:41.