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2022-01-14-linuxkernel-benchmarks

AMD Ryzen Threadripper 3960X 24-Core testing with a Gigabyte TRX40 AORUS MASTER (FB BIOS) and AMD Radeon PRO WX 2100 on ManjaroLinux 21.2.1 via the Phoronix Test Suite.

Test Systems:

No

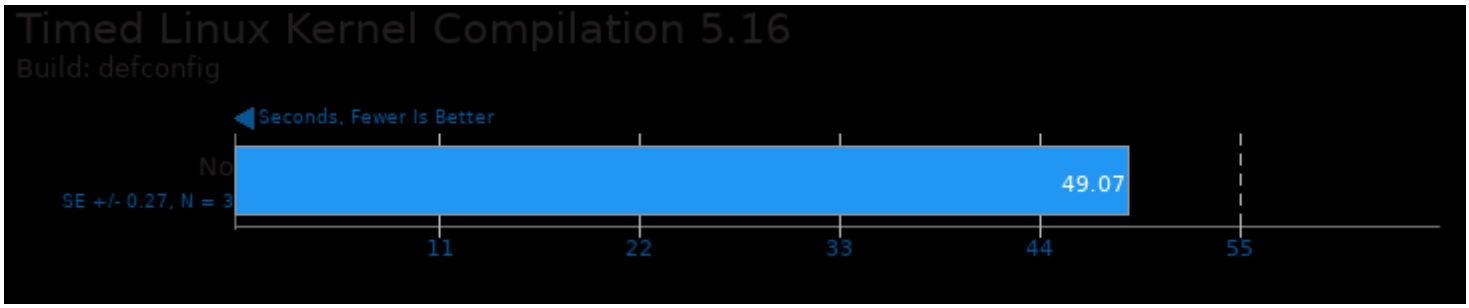
Processor: AMD Ryzen Threadripper 3960X 24-Core @ 3.80GHz (24 Cores / 48 Threads), Motherboard: Gigabyte TRX40 AORUS MASTER (FB BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 2 x 1000GB Samsung SSD 970 EVO Plus 1TB + 31GB USB DISK 3.0 + 16GB USB DISK, Graphics: AMD Radeon PRO WX 2100 (1219/1500MHz), Audio: AMD Baffin HDMI/DP, Monitor: W2242 + SyncMaster + DELL U2421E, Network: Intel I211 + Aquantia AQC111 NBase-T/IEEE + Intel Wi-Fi 6 AX200

OS: ManjaroLinux 21.2.1, Kernel: 5.15.12-1-MANJARO (x86_64), Desktop: KDE Plasma 5.23.4, Display Server: X Server 1.21.1.2, Vulkan: 1.2.195, Compiler: GCC 11.1.0, File-System: ext4, Screen Resolution: 4650x1680

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release

--enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0x8301039
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 IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	No
Timed Linux Kernel Compilation - defconfig (sec)	49.069
Standard Deviation	1%



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