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AMD Ryzen 3 3100 4-Core Performance

Various open-source benchmarks by the Phoronix Test Suite v10.0.1 (Finnsnes).

Test Systems:

AMD Ryzen 3 3100 4-Core

Processor: AMD Ryzen 3 3100 4-Core @ 3.60GHz (4 Cores / 8 Threads), Motherboard: Gigabyte B550 AORUS PRO (F2 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 128GB Crucial M4-CT128M4SSD2 + 6001GB Western Digital WD60EFRX-68L + 1000GB Samsung SSD 860 + 256GB Crucial M4-CT256M4SSD2, Graphics: HIS AMD Radeon HD 6850 8GB (1545/2000MHz), Audio: AMD Barts HDMI Audio, Monitor: LG QHD + SyncMaster, Network: Realtek RTL8125 2.5GbE

OS: Ubuntu 20.04, Kernel: 5.9.10-050910-generic (x86_64), Desktop: KDE Plasma 5.18.5, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.2.3 kisak-mesa PPA (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 9.3.0 + Clang 10.0.1-1~kisak~fTarget: + LLVM 10.0.1, File-System: ext4, Screen Resolution: 4480x1440

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: Scaling Governor: acpi-cpufreq ondemand - CPU Microcode: 0x8701021
Python Notes: Python 2.7.18 + Python 3.8.5
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

AMD Ryzen 9 5900x 12-Cores Performances

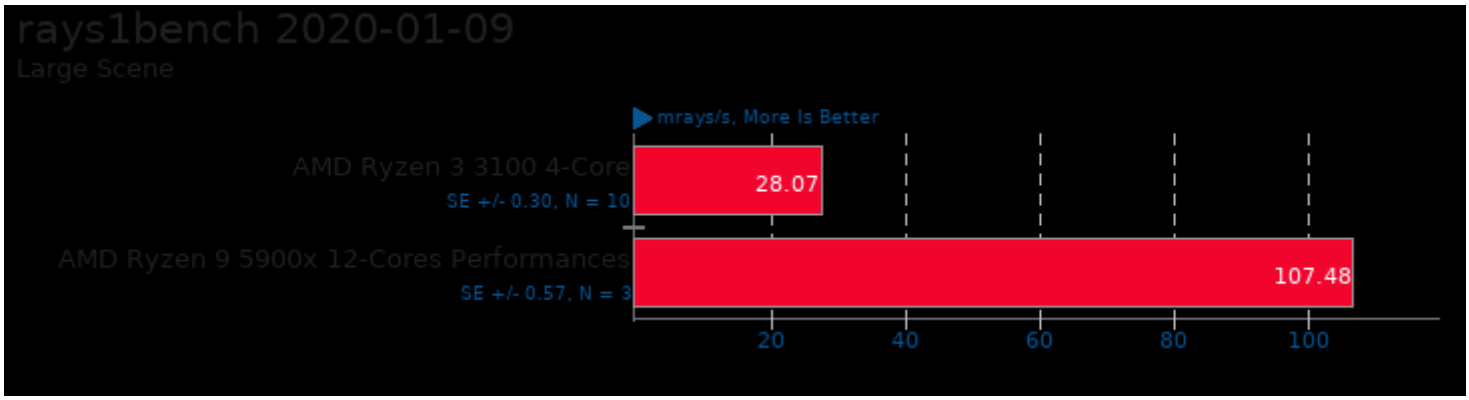
Processor: AMD Ryzen 9 5900X 12-Core @ 3.70GHz (12 Cores / 24 Threads), Motherboard: ASUS ROG CROSSHAIR VIII DARK HERO (2503 BIOS), Chipset: AMD Starship/Matisse, Memory: 64512MB, Disk: 2000GB Samsung SSD 970 EVO Plus 2TB + 8GB Seagate STORE N GO, Graphics: NVIDIA NV134 8GB, Audio: NVIDIA GP104 HD Audio, Monitor: DELL U2415, Network: Realtek RTL8125 2.5GbE + Intel I211 + Intel Wi-Fi 6 AX200

OS: Fedora 33, Kernel: 5.8.15-301.fc33.x86_64 (x86_64), Desktop: GNOME Shell 3.38.1, Display Server: X Server + Wayland, OpenGL: 4.3 Mesa 20.2.0, Compiler: GCC 10.2.1 20200826, File-System: ext4, Screen Resolution: 1920x1200

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 ondemand
Python Notes: Python 3.9.1
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

	AMD Ryzen 3 3100 4-Core	AMD Ryzen 9 5900x 12-Cores Performances
rays1bench - Large Scene (mrays/s)	**28.07**	**107.48**
Normalized	26.12%	100%
Standard Deviation	3.4%	0.9%

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 20:20.