



temp

AMD Ryzen 9 9950X 16-Core testing with a Gigabyte B650I AORUS ULTRA (F32 BIOS) and AMD Radeon RX 7700 XT / 7800 on Fedora 40 via the Phoronix Test Suite.

Test Systems:

AMD Ryzen 9 9950X 16-Core

Processor: AMD Ryzen 9 9950X 16-Core @ 5.75GHz (16 Cores / 32 Threads), Motherboard: Gigabyte B650I AORUS ULTRA (F32 BIOS), Chipset: AMD Device 14d8, Memory: 92GB, Disk: 1920GB SK hynix HFS1T9GD0FEI-A430A + 1000GB Samsung SSD 980 PRO 1TB + 1024GB ZHITAI TiPlus7100 1TB + 512GB SK hynix HFS512GEJ9X115N + 4001GB Seagate ST4000VX016-3CV1 + 4001GB Seagate ST4000VX015-3CU1 + 512GB ZHITAI SC001 Act + 3001GB TOSHIBA MD03ACA3, Graphics: AMD Radeon RX 7700 XT / 7800 (2200/3200MHz), Audio: AMD Navi 31 HDMI/DP, Network: Intel I225-V + Intel Wi-Fi 6E

OS: Fedora 40, Kernel: 6.10.9-200.fc40.x86_64 (x86_64), Display Server: X Server 1.21.1.7, Compiler: Clang 18.1.8 + LLVM 18.1.8, File-System: btrfs, Screen Resolution: 3840x2160

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff - Transparent Huge Pages: madvise

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,obj-c++,ada,go,d,m2,lto --enable-libstdcxx-backtrace --enable-link-serialization=1 --enable-multilib --enable-offload-defaulted --enable-offload-targets=nvptx-none,amdgcn-amdhsa --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-build-config=bootstrap-lto --with-gcc-major-version-only --with-libstdcxx-zoneinfo=/usr/share/zoneinfo --with-linker-hash-style=gnu --with-tune=generic --without-cuda-driver

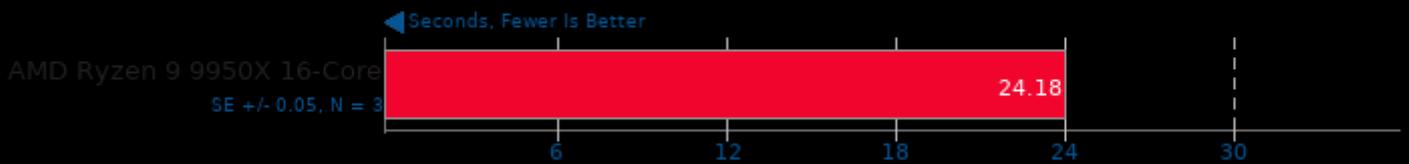
Processor Notes: Scaling Governor: amd-pstate-epp performance (EPP: performance) - CPU Microcode: 0xb40401a

Security Notes: SELinux + gather_data_sampling: Not affected + itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + reg_file_data_sampling: Not affected + retbleed: Not affected + spec_rstack_overflow: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced / Automatic IBRS; IBPB: conditional; STIBP: always-on; RSB filling; PBRBS-elBRS: Not affected; BHI: Not affected + srbsds: Not affected + tsx_async_abort: Not affected

AMD Ryzen 9 9950X 16-Core	
Timed FFmpeg Compilation - Time To Compile (sec)	23.960
Normalized	100%
Standard Deviation	0.4%
Timed GCC Compilation - Time To Compile (sec)	529.720
Normalized	100%
Standard Deviation	0.1%
Timed GDB GNU Debugger Compilation - Time To Compile (sec)	32.186
Normalized	100%
Standard Deviation	0.2%
Timed ImageMagick Compilation - Time To Compile (sec)	12.415
Normalized	99.13%
Standard Deviation	1.6%
Timed Linux Kernel Compilation - defconfig (sec)	42.986
Standard Deviation	1.4%
Timed Linux Kernel Compilation - allmodconfig (sec)	535.278
Standard Deviation	0.1%
Timed LLVM Compilation - Ninja (sec)	266.434
Standard Deviation	0.1%
Timed LLVM Compilation - Unix Makefiles (sec)	296.604
Standard Deviation	0.1%
Timed Mesa Compilation - Time To Compile (sec)	13.177
Normalized	100%
Standard Deviation	0.6%
Timed Node.js Compilation - Time To Compile (sec)	300.646
Normalized	100%
Standard Deviation	0.1%
Timed PHP Compilation - Time To Compile (sec)	32.701
Normalized	99.93%
Standard Deviation	0.7%
Timed CPython Compilation - Default (sec)	11.919
Timed CPython Compilation - R.B.P.L.O (sec)	160.655
Timed Eigen Compilation - Time To Compile (sec)	38.785
Normalized	97.32%
Standard Deviation	1.3%
Timed Erlang/OTP Compilation - Time To Compile (sec)	42.277
Normalized	99.83%
Standard Deviation	0.5%
Timed Wasmer Compilation - Time To Compile (sec)	19.567
Normalized	100%
Standard Deviation	0.1%

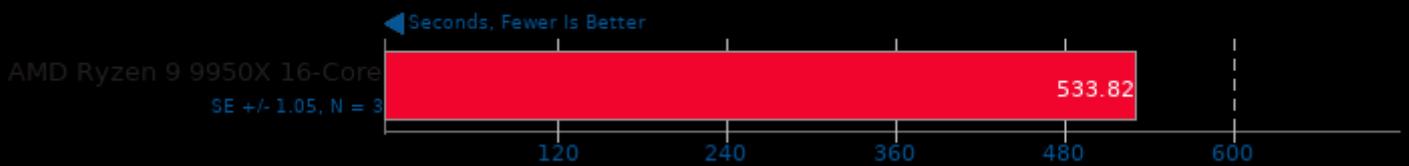
Timed FFmpeg Compilation 7.0

Time To Compile



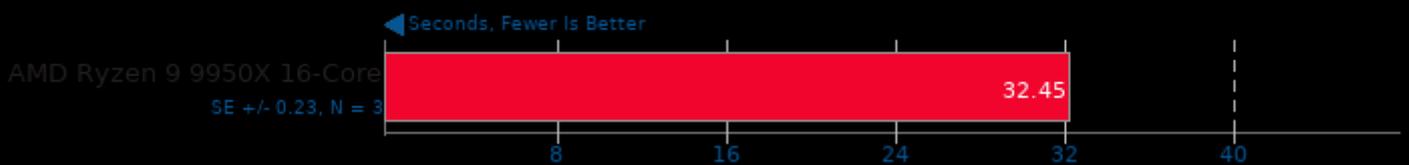
Timed GCC Compilation 13.2

Time To Compile



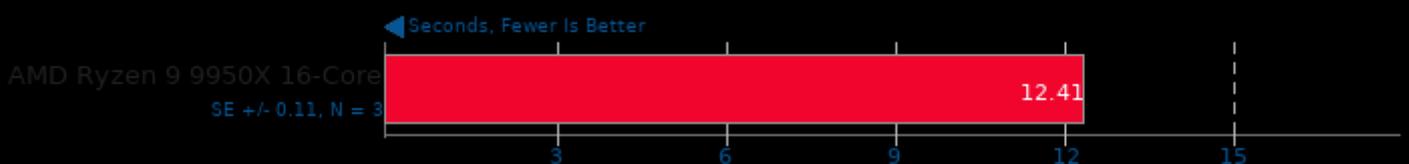
Timed GDB GNU Debugger Compilation 10.2

Time To Compile



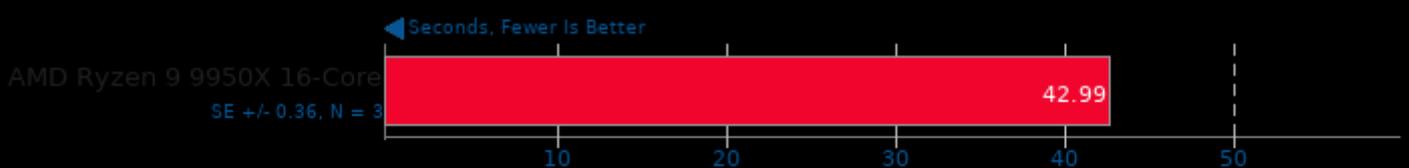
Timed ImageMagick Compilation 6.9.0

Time To Compile



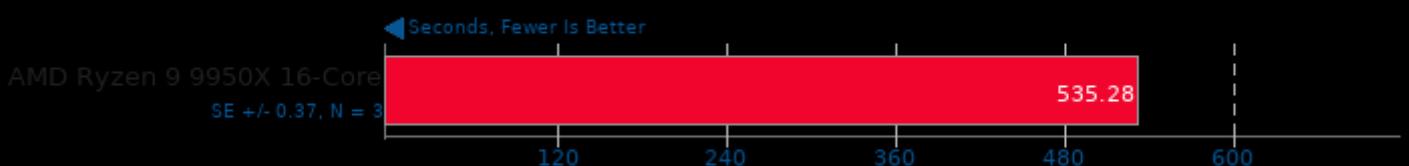
Timed Linux Kernel Compilation 6.8

Build: defconfig



Timed Linux Kernel Compilation 6.8

Build: allmodconfig



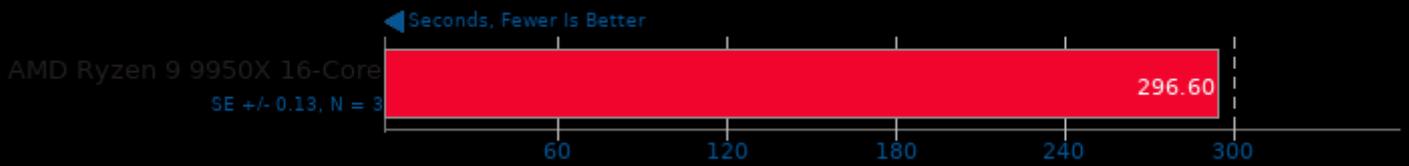
Timed LLVM Compilation 16.0

Build System: Ninja



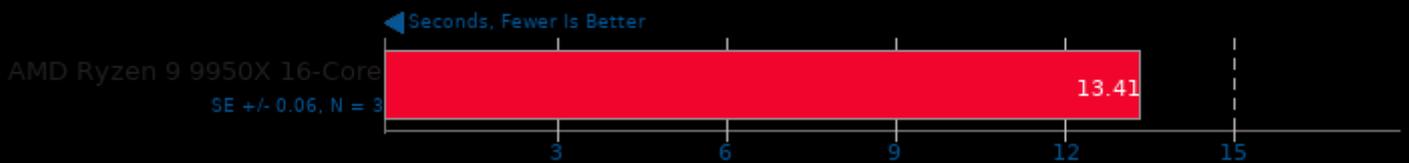
Timed LLVM Compilation 16.0

Build System: Unix Makefiles



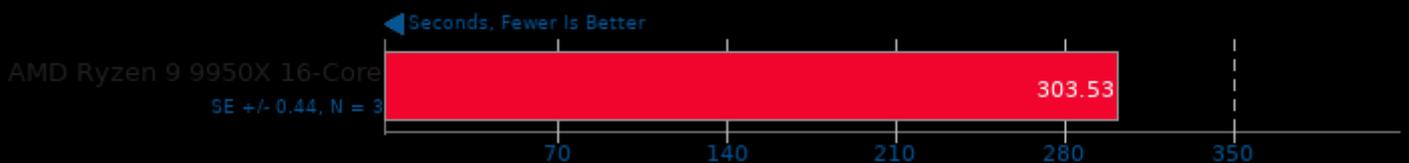
Timed Mesa Compilation 24.0

Time To Compile



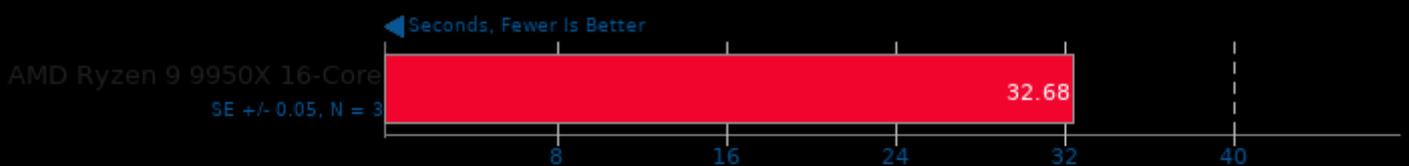
Timed Node.js Compilation 21.7.2

Time To Compile



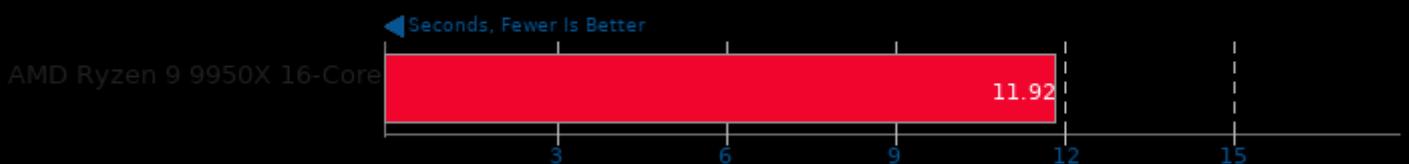
Timed PHP Compilation 8.3.4

Time To Compile



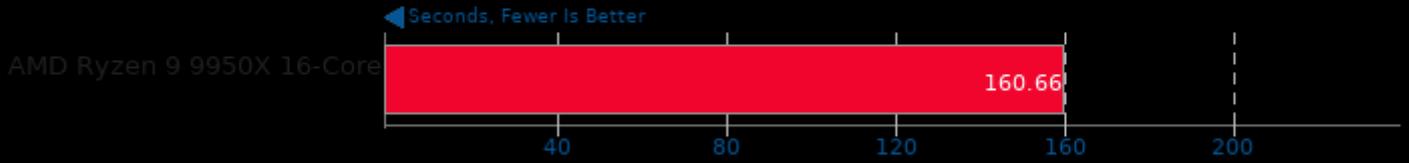
Timed CPython Compilation 3.10.6

Build Configuration: Default



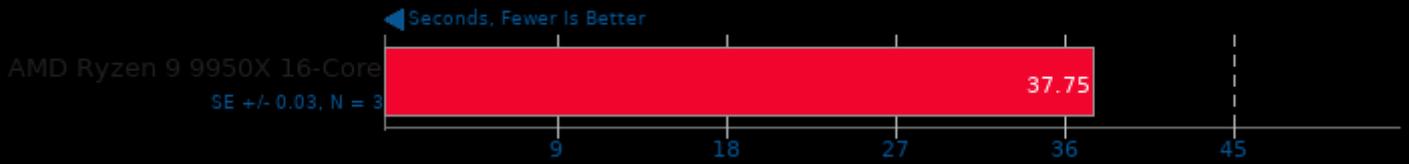
Timed CPython Compilation 3.10.6

Build Configuration: Released Build, PGO + LTO Optimized



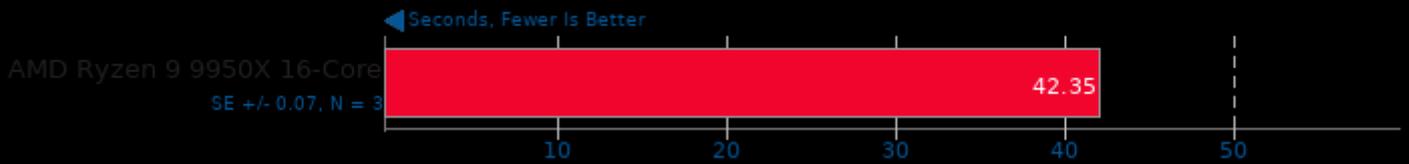
Timed Eigen Compilation 3.3.9

Time To Compile



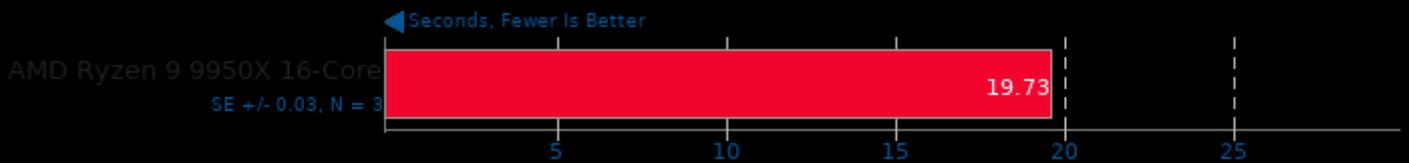
Timed Erlang/OTP Compilation 25.0

Time To Compile



Timed Wasmer Compilation 2.3

Time To Compile



1. (CC) gcc options: -m64 -ldl -lgcc_s -lutil -lrt -lpthread -lm -lc -pie -nodefaultlibs

This file was automatically generated via the Phoronix Test Suite benchmarking software on Wednesday, 11 December 2024 01:30.