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7453-2p-build

2 x AMD EPYC 7453 28-Core testing with a AMD DAYTONA_X (RYM1001D BIOS) and llvmpipe on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

1

2

2a

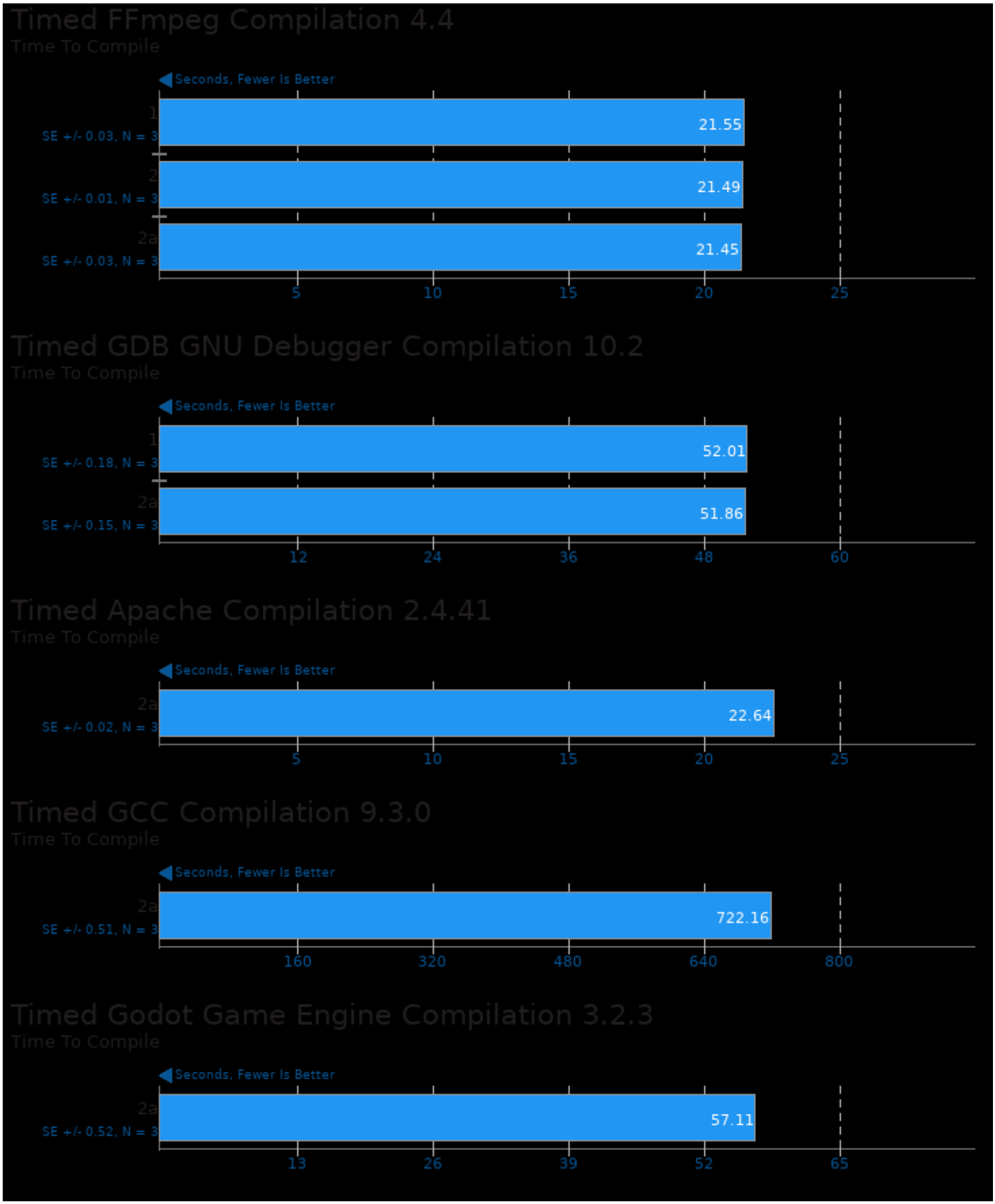
Processor: 2 x AMD EPYC 7453 28-Core @ 2.75GHz (56 Cores / 112 Threads), Motherboard: AMD DAYTONA_X (RYM1001D BIOS), Chipset: AMD Starship/Matisse, Memory: 16 x 32 GB DDR4-3200MT/s 36ASF4G72PZ-3G2E2, Disk: 3841GB Micron_9300_MTFDHAL3T8TDP, Graphics: llvmpipe, Monitor: VE228, Network: 2 x Mellanox MT27710

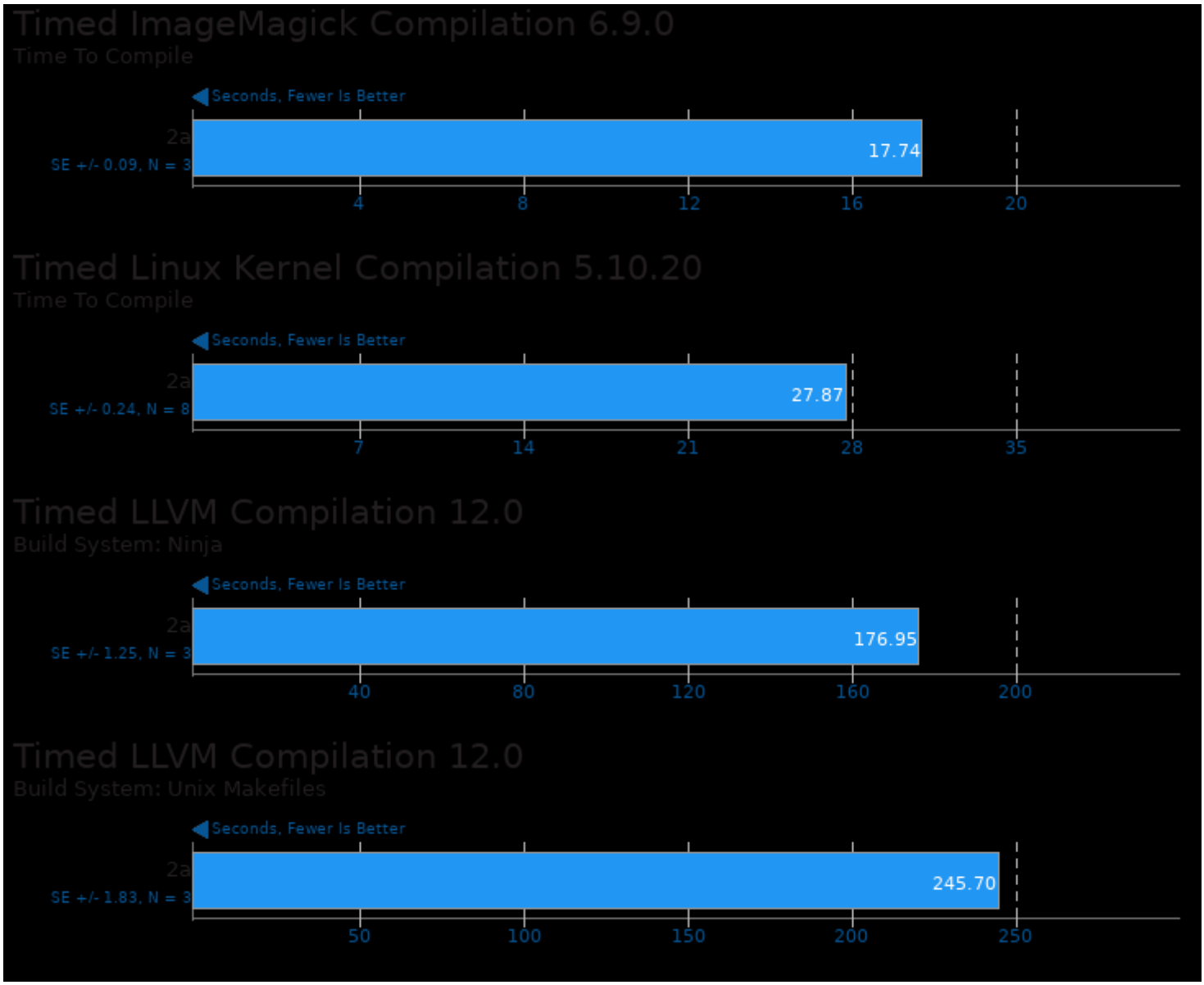
OS: Ubuntu 20.04, Kernel: 5.11.6-051106-generic (x86_64), Desktop: GNOME Shell 3.36.4, Display Server: X Server, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

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Kernel Notes: Transparent Huge Pages: madvise
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 performance (Boost: Enabled) - CPU Microcode: 0xa001119
Python Notes: 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 IBRS_FW STIBP: always-on RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	1	2	2a
Timed FFmpeg Compilation - Time To Compile (sec)	**21.551**	21.488	**21.446**
Normalized	99.51%	99.8%	100%
Standard Deviation	0.2%	0.1%	0.2%
Timed GDB GNU Debugger Compilation - Time To Compile (sec)	**52.011**		**51.864**
Normalized	99.72%		100%
Standard Deviation	0.6%		0.5%
Timed Apache Compilation - Time To Compile (sec)			22.638
Standard Deviation			0.2%
Timed GCC Compilation - Time To Compile (sec)			722.163
Standard Deviation			0.1%
Timed Godot Game Engine Compilation - Time To Compile (sec)			57.108
Standard Deviation			1.6%
Timed ImageMagick Compilation - Time To Compile (sec)			17.738
Standard Deviation			0.9%
Timed Linux Kernel Compilation - Time To Compile (sec)			27.868
Standard Deviation			2.4%
Timed LLVM Compilation - Ninja (sec)			176.948
Standard Deviation			1.2%
Timed LLVM Compilation - Unix Makefiles			245.696
Standard Deviation			1.3%


Timed FFmpeg Compilation 4.4
Time To Compile
Seconds, Fewer Is Better
1
SE +/- 0.03, N = 3
21.55
2
SE +/- 0.01, N = 3
21.49
2a
SE +/- 0.03, N = 3
21.45
5
10
15
20
25
Timed GDB GNU Debugger Compilation 10.2
Time To Compile
Seconds, Fewer Is Better
1
SE +/- 0.18, N = 3
52.01
2a
SE +/- 0.15, N = 3
51.86
12
24
36
48
60
Timed Apache Compilation 2.4.41
Time To Compile
Seconds, Fewer Is Better
2a
SE +/- 0.02, N = 3
22.64
5
10
15
20
25
Timed GCC Compilation 9.3.0
Time To Compile
Seconds, Fewer Is Better
2a
SE +/- 0.51, N = 3
722.16
160
320
480
640
800
Timed Godot Game Engine Compilation 3.2.3
Time To Compile
Seconds, Fewer Is Better
2a
SE +/- 0.52, N = 3
57.11
13
26
39
52
65



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 16:56.