

www.phoronix-test-suite.com

perf-benchs

AMD E1-2500 APU testing with a LENOVO 20BMS03E00 (GSET58WW 2.03 BIOS) and AMD Radeon HD 8240 / R3 512MB on Ubuntu 11 via the Phoronix Test Suite.

Test Systems:

first-run

Processor: AMD E1-2500 APU @ 1.40GHz (2 Cores), Motherboard: LENOVO 20BMS03E00 (GSET58WW 2.03 BIOS), Chipset: AMD 16h Root Complex, Memory: 3584MB, Disk: PNY CS900 500GB, Graphics: AMD Radeon HD 8240 / R3 512MB, Audio: AMD Kabini HDMI/DP, Network: Realtek RTL8111/8168/8411 + Broadcom BCM43228 802.11a/b/g/n

OS: Ubuntu 11, Kernel: 5.11.0-37-generic (x86_64), Desktop: KDE Plasma 5.22.5, Display Server: X Server 1.20.11, OpenGL: 4.5 Mesa 21.0.3 (LLVM 12.0.0), Vulkan: 1.0.2, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1366x768

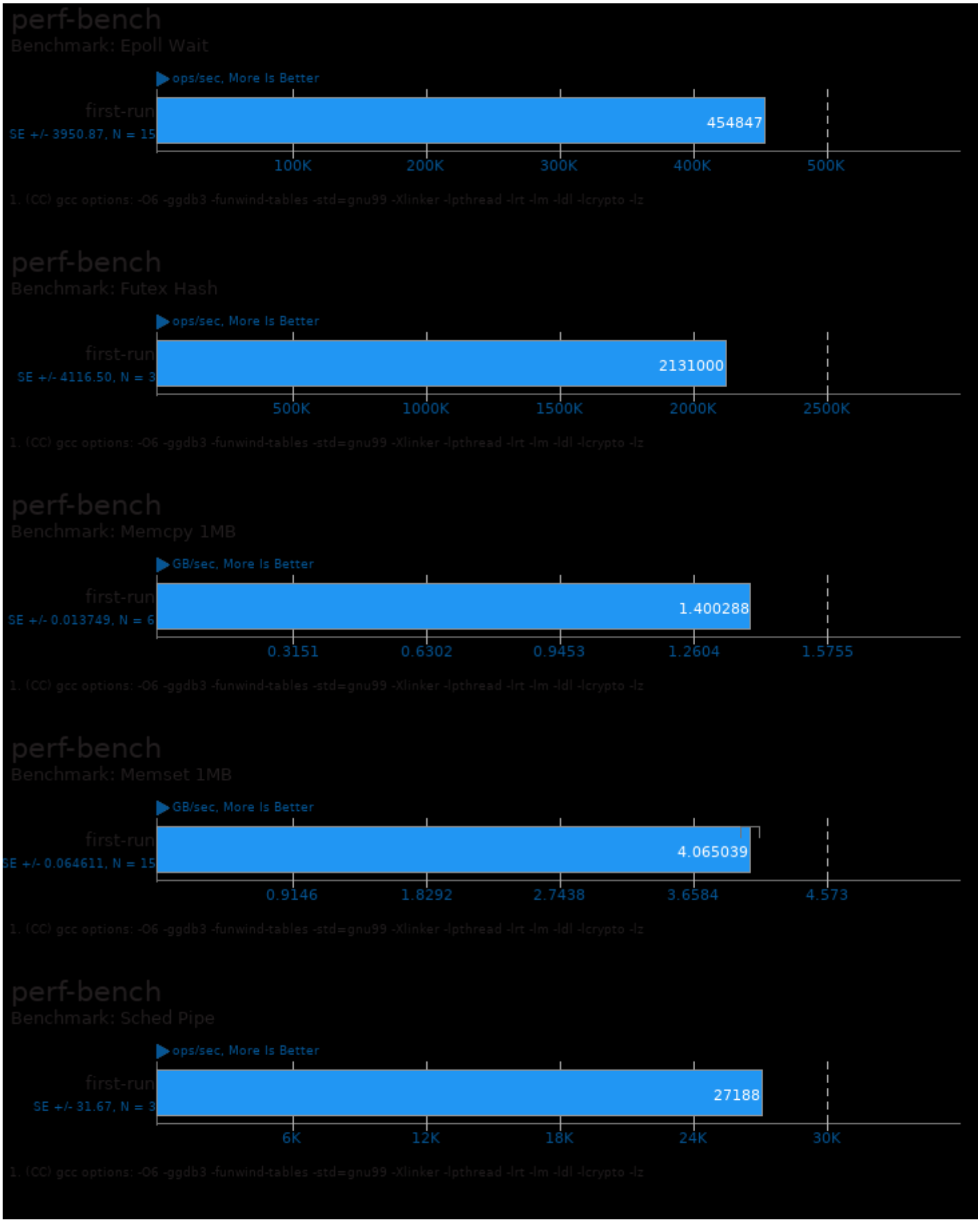
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch

perf-benchs

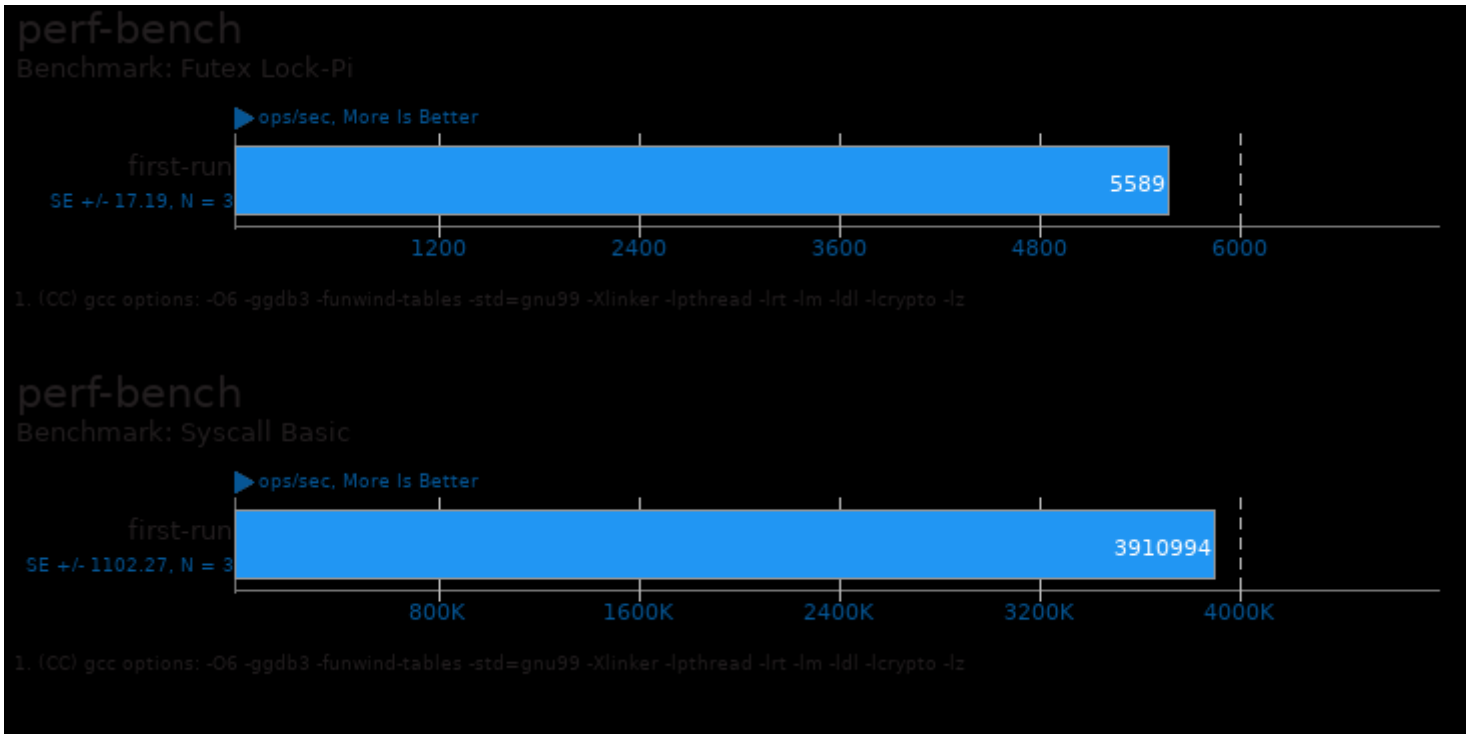
--enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --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: 0x700010f
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 STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	first-run
perf-bench - Epoll Wait (ops/sec)	454847
Standard Deviation	3.4%
perf-bench - Futex Hash (ops/sec)	2131000
Standard Deviation	0.3%
perf-bench - Memcpy 1MB (GB/sec)	1.400288
Standard Deviation	2.4%
perf-bench - Memset 1MB (GB/sec)	4.065039
Standard Deviation	6.2%
perf-bench - Sched Pipe (ops/sec)	27188
Standard Deviation	0.2%
perf-bench - Futex Lock-Pi (ops/sec)	5589
Standard Deviation	0.5%
perf-bench - Syscall Basic (ops/sec)	3910994
Standard Deviation	0%

perf-benchs


perf-bench
Benchmark: Epoll Wait
ops/sec, More Is Better
first-run
SE +/- 3950.87, N = 15
454847
100K
200K
300K
400K
500K
1. (CC) gcc options: -O6 -ggdb3 -funwind-tables -std=gnu99 -Xlinker -lpthread -lrt -lm -ldl -lcrypto -lz
perf-bench
Benchmark: Futex Hash
ops/sec, More Is Better
first-run
SE +/- 4116.50, N = 3
2131000
500K
1000K
1500K
2000K
2500K
1. (CC) gcc options: -O6 -ggdb3 -funwind-tables -std=gnu99 -Xlinker -lpthread -lrt -lm -ldl -lcrypto -lz
perf-bench
Benchmark: Memcpy 1MB
GB/sec, More Is Better
first-run
SE +/- 0.013749, N = 6
1.400288
0.3151
0.6302
0.9453
1.2604
1.5755
1. (CC) gcc options: -O6 -ggdb3 -funwind-tables -std=gnu99 -Xlinker -lpthread -lrt -lm -ldl -lcrypto -lz
perf-bench
Benchmark: Memset 1MB
GB/sec, More Is Better
first-run
SE +/- 0.064611, N = 15
4.065039
0.9146
1.8292
2.7438
3.6584
4.573
1. (CC) gcc options: -O6 -ggdb3 -funwind-tables -std=gnu99 -Xlinker -lpthread -lrt -lm -ldl -lcrypto -lz
perf-bench
Benchmark: Sched Pipe
ops/sec, More Is Better
first-run
SE +/- 31.67, N = 3
27188
6K
12K
18K
24K
30K
1. (CC) gcc options: -O6 -ggdb3 -funwind-tables -std=gnu99 -Xlinker -lpthread -lrt -lm -ldl -lcrypto -lz

perf-benchs



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 04:30.