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x12gromacs

2 x Intel Xeon Platinum 8380 testing with a Supermicro X12DPU-6 (1.4 BIOS) and ASPEED on Ubuntu 22.04 via the Phoronix Test Suite.

Test Systems:

2023-01-25 01:03

Processor: 2 x Intel Xeon Platinum 8380 @ 2.30GHz (80 Cores / 160 Threads), Motherboard: Supermicro X12DPU-6 (1.4 BIOS), Chipset: Intel Device 0998, Memory: 16 x 64 GB DDR4-3200MT/s HMAA8GR7AJR4N-XN, Disk: 4001GB INTEL SSDPE7KX040T7, Graphics: ASPEED, Network: 2 x Mellanox MT2894 + 4 x Intel E810-C for QSFP

OS: Ubuntu 22.04, Kernel: 5.15.0-58-generic (x86_64), Vulkan: 1.2.204, Compiler: GCC 11.3.0, File-System: ext4, Screen Resolution: 1024x768

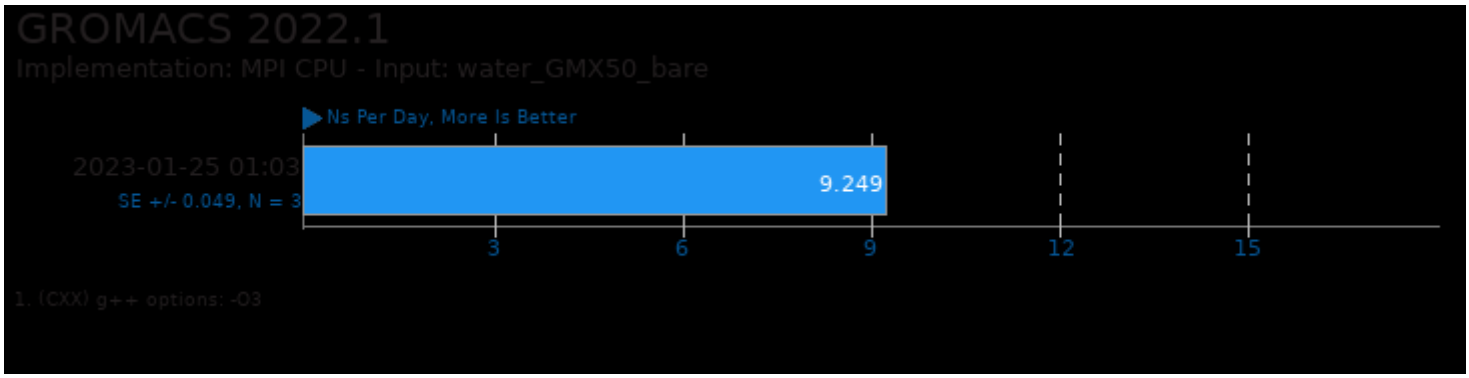
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-serialization=2 --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debian/tmp-gcn/usr

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--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-build-config=bootstrap-lto-lean --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: intel_cpufreq schedutil - CPU Microcode: 0xd000375
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + retbleed: 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 Enhanced IBRS IBPB: conditional RSB filling PBRSB-eIBRS: SW sequence + srbds: Not affected + tsx_async_abort: Not affected

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GROMACS - MPI CPU - water_GMX50_bare (Ns/Day)	9.249
Standard Deviation	0.9%

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 07:52.