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run some stuff on some systems

Intel Xeon E-2274G testing with a Dell 0Y2K8N (2.3.1 BIOS) and Intel CoffeeLake-S GT2 [UHD P630] on Ubuntu 22.10 via the Phoronix Test Suite.

Test Systems:

.SYSTEM

Processor: Intel Xeon E-2274G @ 4.90GHz (4 Cores / 8 Threads), Motherboard: Dell 0Y2K8N (2.3.1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 4 x 16 GB DDR4-2666MT/s M391A2K43BB1-CTD, Disk: Kioxia KXG60ZNV1T02 NVMe 1024GB + 4001GB Seagate ST4000DM004-2CV1 + 0GB SD Card Reader, Graphics: Intel CoffeeLake-S GT2 [UHD P630], Audio: Realtek ALC3234, Monitor: HDMI, Network: Intel I219-LM

OS: Ubuntu 22.10, Kernel: 5.19.0-23-generic (x86_64), Display Server: X Server 1.21.1.4, Display Driver: NVIDIA, Compiler: GCC 12.2.0, File-System: ext4, Screen Resolution: 1024x600

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-cet --enable-checking=release --enable-locale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug

```
--enable-libstdcxx-time=yes      --enable-multiarch      --enable-multilib      --enable-nls      --enable-objc-gc=auto      --enable-offload-defaulted
--enable-offload-targets=nvptx-none=/build/gcc-12-U8K4Qv/gcc-12-12.2.0/debian/tmp-nvptx/usr,amdgn-amdhsa=/build/gcc-12-U8K4Qv/gcc-12-12.2.0/debian/tmp-gcn/usr
--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: intel_pstate powersave - CPU Microcode: 0xf0 - Thermald 2.5.1

Python Notes: Python 3.10.7

Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + rebleed: Mitigation of IBRS + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of IBRS IBPB: conditional RSB filling PBRSB-eIBRS: Not affected + srbds: Mitigation of Microcode + tsx_async_abort: Mitigation of TSX disabled

.SYSTEM

pmbench - 4 - 8.R.2.W (us - Page Latency) 0.0859

Standard Deviation 2.5%

HPL Linpack (GFLOPS) 123.20

Standard Deviation 0.7%

pmbench

Concurrent Worker Threads: 4 - Read-Write Ratio: 80% Reads 20% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

HPL Linpack 2.3

1. (CC) gcc options: -O2 -lopenblas -lm -lmpi

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 17:58.