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tinymembenk

2 x Intel Xeon Gold 6130 testing with a Dell 0RGP26 (2.10.0 BIOS) and Matrox G200eW3 on Debian 10 via the Phoronix Test Suite.

Test Systems:

2 x Intel Xeon Gold 6130 - Matrox G200eW3 - Dell

Processor: 2 x Intel Xeon Gold 6130 @ 3.70GHz (32 Cores / 64 Threads), Motherboard: Dell 0RGP26 (2.10.0 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 252GB, Disk: 960GB PERC H740P Mini + 32GB IDSDM, Graphics: Matrox G200eW3, Monitor: SMB1630N, Network: 2 x Intel I350 + 2 x Intel X710 for 10GbE SFP+ + 2 x Intel XXV710 for 25GbE SFP28

OS: Debian 10, Kernel: 4.19.0-14-amd64 (x86_64), Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --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++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes

```
--enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --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 --with-tune=generic --without-cuda-driver -v
```

Processor Notes: Scaling Governor: intel_pstate performance - CPU Microcode: 0x2006a08

Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + I1f: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + 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 generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Mitigation of Clear buffers; SMT vulnerable

**2 x Intel Xeon Gold 6130 - Matrox
G200eW3 - Dell**

Tinymembench - Standard Memcpy (MB/s) 5764

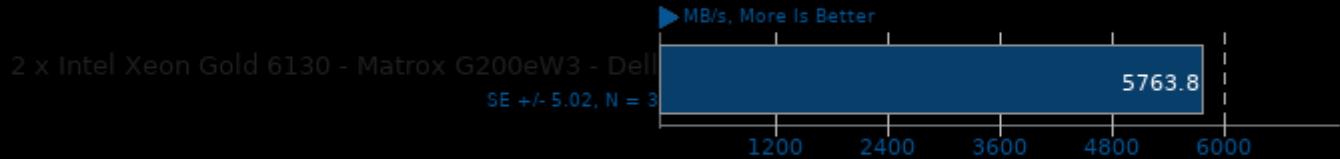
Standard Deviation 0.2%

Tinymembench - Standard Memset (MB/s) 7673

Standard Deviation 0.1%

Tinymembench 2018-05-28

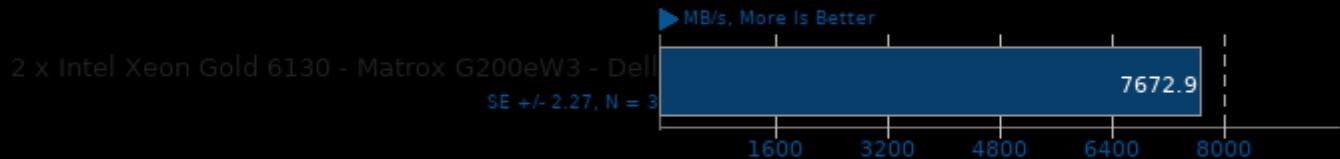
Standard Memcpy



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

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Standard Memset



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

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