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c5.large.smallpt

ARMv8 Neoverse-N1 testing on Amazon Linux 2 via the Phoronix Test Suite.

Test Systems:

Intel Xeon Platinum 8275CL

Processor: Intel Xeon Platinum 8275CL (1 Core / 2 Threads), Motherboard: Amazon EC2 c5.large (1.0 BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 4096MB, Disk: 107GB Amazon Elastic Block Store, Network: Amazon Elastic

OS: Amazon Linux 2, Kernel: 4.14.231-173.361.amzn2.x86_64 (x86_64), Compiler: GCC 7.3.1 20180712, File-System: xfs, System Layer: KVM

Kernel Notes: nvme_core.io_timeout=4294967295 - Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-redhat-linux --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,fortran,ada,go,lto --enable-libatomic --enable-libcilkrts --enable-libitm --enable-libmpx --enable-libquadmath --enable-libsanitizer --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=x86-64 --with-gcc-major-version-only --with-isl --with-linker-hash-style=gnu --with-tune=generic
Processor Notes: CPU Microcode: 0x5003005
Security Notes: itlb_multihit: KVM: Vulnerable + l1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT Host state unknown + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation

of Full generic retpoline STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

C6g.large

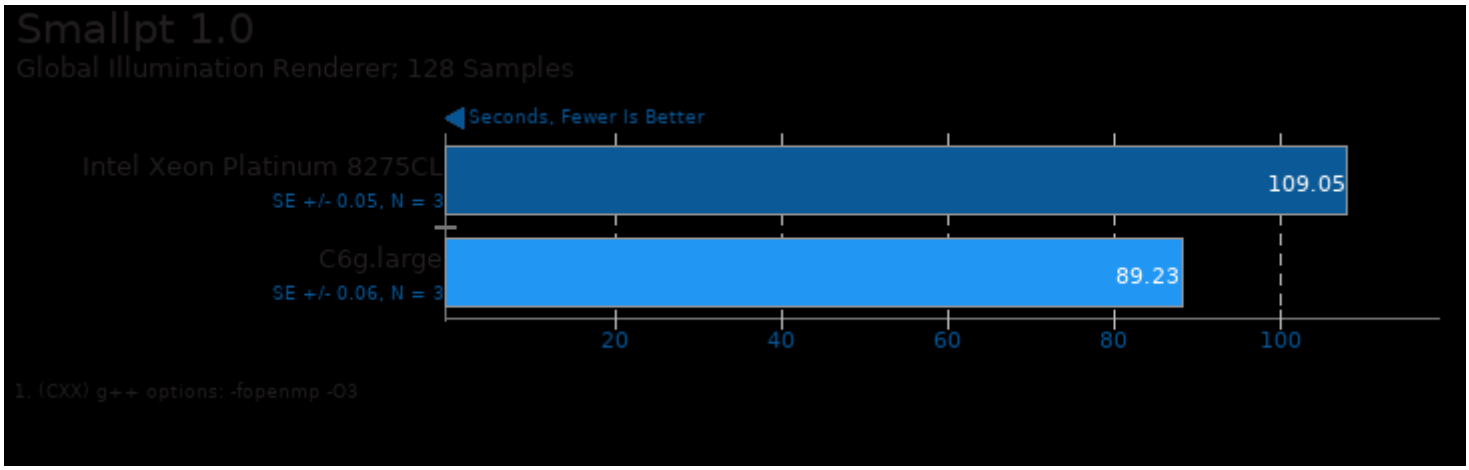
Processor: ARMv8 Neoverse-N1 (2 Cores), Motherboard: Amazon EC2 c6g.large (1.0 BIOS), Chipset: Amazon Device 0200, Memory: 4096MB, Disk: 107GB Amazon Elastic Block Store, Network: Amazon Elastic

OS: Amazon Linux 2, Kernel: 4.14.231-173.361.amzn2.aarch64 (aarch64) 20210426, Compiler: GCC 7.3.1 20180712, File-System: xfs

Kernel Notes: nvme_core.io_timeout=4294967295 - Transparent Huge Pages: madvise
Compiler Notes: --build=aarch64-redhat-linux --disable-libcilkrts --disable-libmpx --disable-libquadmath --disable-libunwind-exceptions --disable-multilib --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,fortran,ada,go,lto --enable-libatomic --enable-libitm --enable-libsanitizer --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-gcc-major-version-only --with-isl --with-linker-hash-style=gnu
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of __user pointer sanitization + spectre_v2: Not affected + srbds: Not affected + tsx_async_abort: Not affected

	Intel Xeon Platinum	C6g.large
Smallpt - G.I.R.1.S (sec)	**109.051**	**89.225**
Normalized	81.82%	100%
Standard Deviation	0.1%	0.1%

c5.large.smallpt



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 19:38.