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2022-11-23-0514

2 x Intel Xeon Silver 4208 testing with a Dell PowerEdge R740 [06WXJT] (2.13.3 BIOS) and Matrox G200eW3 on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

2022-11-23 05:14

2 x Intel Xeon Silver 4208

Processor: 2 x Intel Xeon Silver 4208 @ 3.20GHz (16 Cores / 32 Threads), Motherboard: Dell PowerEdge R740 [06WXJT] (2.13.3 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 4 x 16384 MB DDR4-2400MT/s HMA82GR7DJR8N-XN, Disk: 299GB PERC H750 Adp + 6000GB PERC H750 Adp, Graphics: Matrox G200eW3, Monitor: G205HV, Network: 4 x Broadcom NetXtreme BCM5720 2-port PCIe

OS: Ubuntu 20.04, Kernel: 5.4.0-128-generic (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server 1.20.13, Vulkan: 1.1.182, Compiler: GCC 9.4.0, File-System: ext4, Screen Resolution: 1600x900

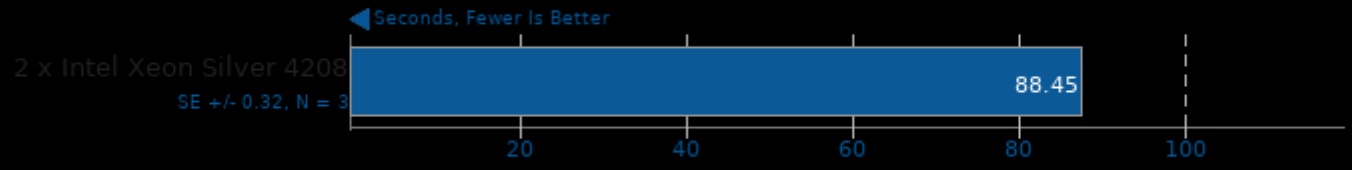
2022-11-23-0514

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 --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-Av3uEd/gcc-9-9.4.0/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: intel_pstate performance - CPU Microcode: 0x5003302
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + 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: Mitigation of TSX disabled

	2022-11-23 05:14	2 x Intel Xeon Silver 4208
Hackbench - 32 - Process (sec)		88.452
Standard Deviation		0.6%
Hackbench - 16 - Thread (sec)		61.571
Standard Deviation		1.4%
Hackbench - 16 - Process (sec)		55.549
Standard Deviation		1.8%
Hackbench - 2 - Thread (sec)		6.935
Standard Deviation		6.2%
Hackbench - 8 - Thread (sec)		29.497
Standard Deviation		2.2%
Hackbench - 8 - Process (sec)		27.191
Standard Deviation		1.2%
Hackbench - 4 - Thread (sec)		15.486
Standard Deviation		2.5%
Hackbench - 4 - Process (sec)		13.895
Standard Deviation		0.5%
Hackbench - 2 - Process (sec)		5.488
Standard Deviation		1.9%
Hackbench - 1 - Thread (sec)		5.012
Standard Deviation		0.4%
Hackbench - 1 - Process (sec)		4.657
Standard Deviation		0.2%
ctx_clock - C.S.T (Clocks)	130	

Hackbench

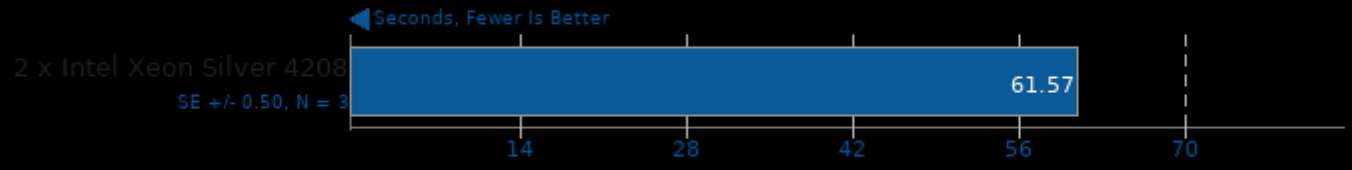
Count: 32 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

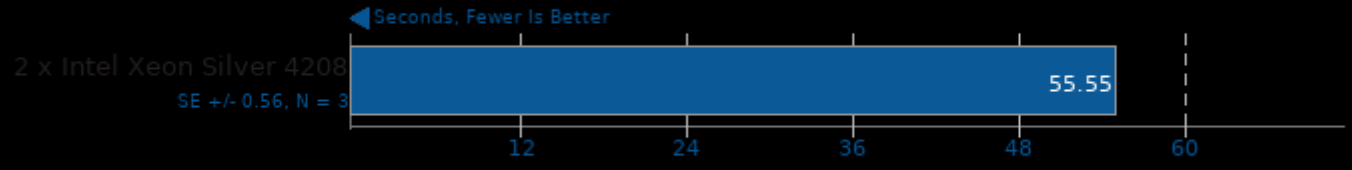
Count: 16 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

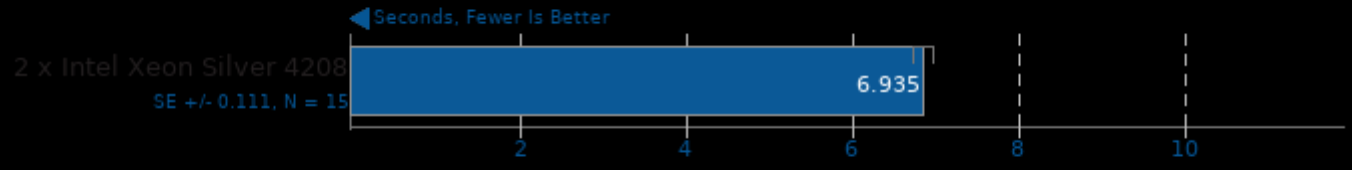
Count: 16 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

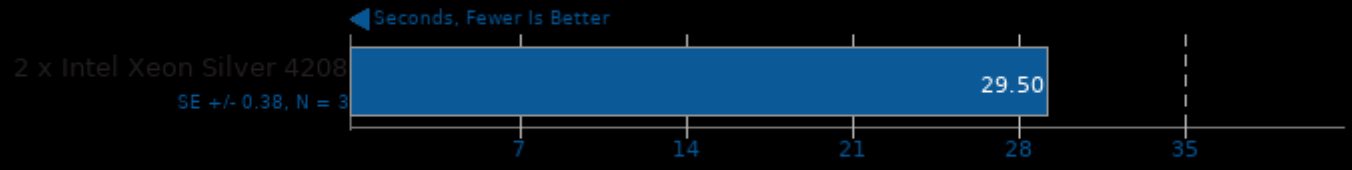
Count: 2 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

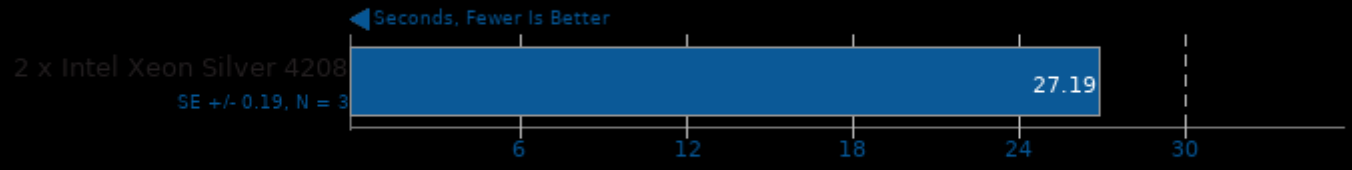
Count: 8 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

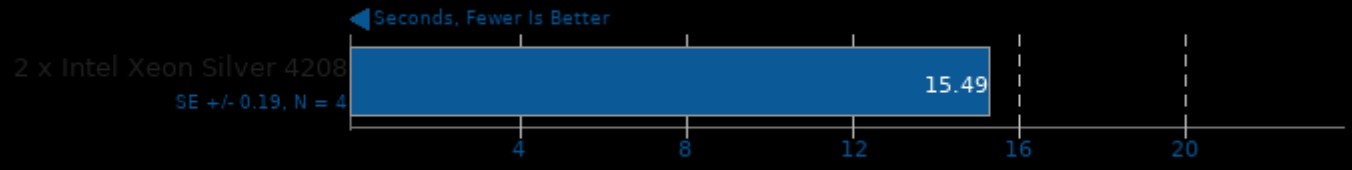
Count: 8 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

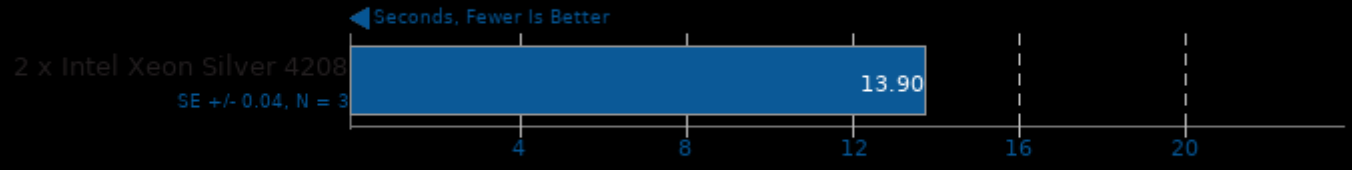
Count: 4 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

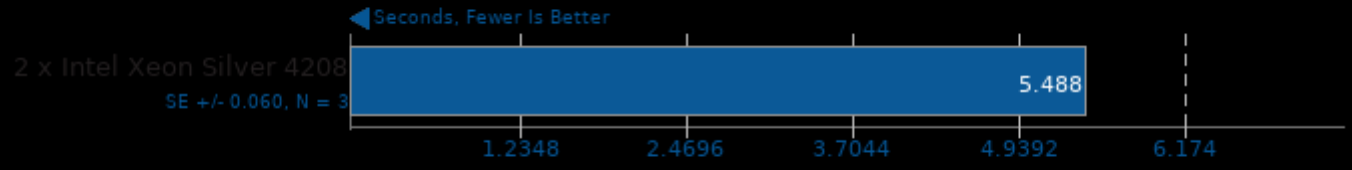
Count: 4 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

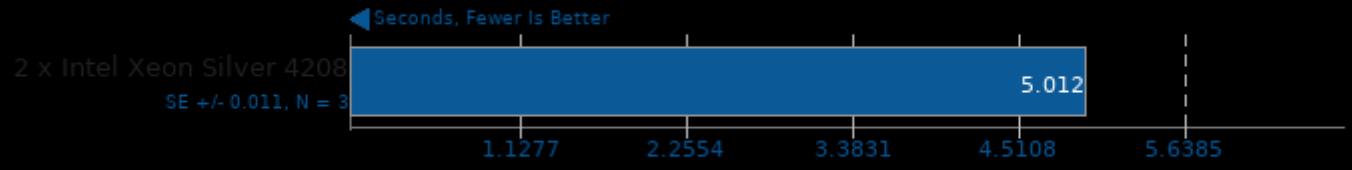
Count: 2 - Type: Process



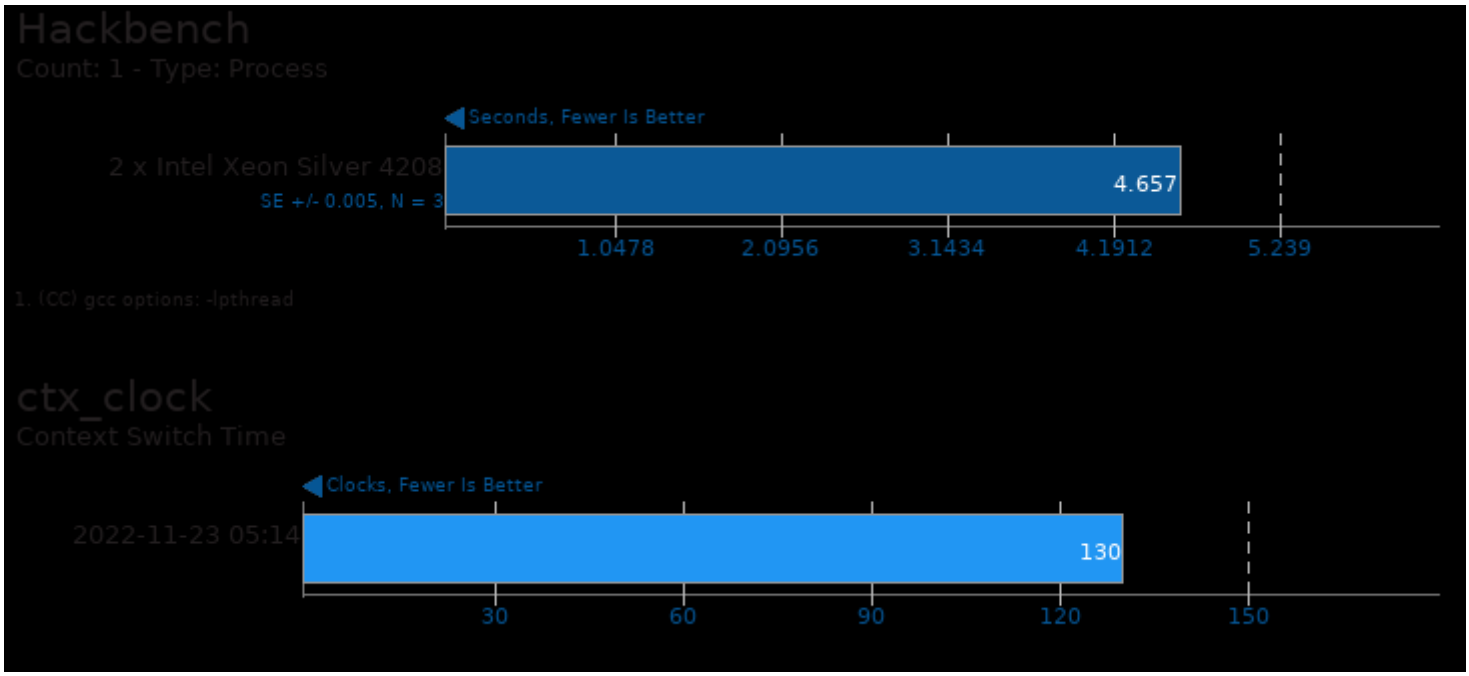
1. (CC) gcc options: -lpthread

Hackbench

Count: 1 - Type: Thread



1. (CC) gcc options: -lpthread



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 10:37.