



new tests

Intel Xeon E3-1260L v5 testing with a ASRock E3V5 WS (P7.10 BIOS) and XFX NVIDIA GeForce GT 220 1GB on Clear Linux OS 29940 via the Phoronix Test Suite.

Test Systems:

Intel Xeon E3-1260L v5

Processor: Intel Xeon E3-1260L v5 @ 3.90GHz (4 Cores / 8 Threads), Motherboard: ASRock E3V5 WS (P7.10 BIOS), Chipset: Intel Xeon E3-1200 v5/E3-1500, Memory: 8192MB, Disk: 120GB INTEL SSDSC2BW12, Graphics: XFX NVIDIA GeForce GT 220 1GB, Audio: Realtek ALC892, Network: Intel I219-LM

OS: Clear Linux OS 29940, Kernel: 5.1.9-781.native (x86_64), Desktop: GNOME Shell 3.32.2, Display Server: X Server 1.20.4, Display Driver: modesetting 1.20.4, Compiler: GCC 9.1.1 20190614 gcc-9-branch@272279 + Clang 8.0.0 + LLVM 8.0.0, File-System: ext4

Environment

CFFLAGS=-g-O3-feliminate-unused-debug-types-pipe-Wall-Wp-D_FORTIFY_SOURCE=2-fexceptions-fstack-protector--param=ssp-buffer-size=32-m64-fasynchronous-unwind-tables-Wp-D_REENTRANT-ftree-loop-distribute-patterns-Wl-z-Wl

Notes:

now-Wl-z-Wl

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relro-malign-data=abi-fno-semantic-interposition-ftree-vectorize-ftree-loop-vectorize-Wl-sort-common-Wl--enable-new-dtags
FFLAGS=-g-O3-feliminate-unused-debug-types-pipe-Wall-Wp-D_FORTIFY_SOURCE=2-fexceptions-fstack-protector--param=ssp-buffer-size=32-m64-fasynchronous-unwind-tables-Wp-D_REENTRANT-ftree-loop-distribute-patterns-Wl-z-Wl
relro-malign-data=abi-fno-semantic-interposition-ftree-vectorize-ftree-loop-vectorize-Wl--enable-new-dtags
CXXFLAGS=-g-O3-feliminate-unused-debug-types-pipe-Wall-Wp-D_FORTIFY_SOURCE=2-fexceptions-fstack-protector--param=ssp-buffer-size=32-Wformat-Wformat-security-m64-fasynchronous-unwind-tables-Wp-D_REENTRANT-ftree-loop-distribute-patterns-Wl-z-Wl
relro-fno-semantic-interposition-ffat-lto-objects-fno-signed-zeros-fno-trapping-math-fassociative-math-Wl-sort-common-Wl--enable-new-dtags-mtune=skylake-fvisibility-inline-s-hidden-Wl--enable-new-dtags
CFLAGS=-g-O3-feliminate-unused-debug-types-pipe-Wall-Wp-D_FORTIFY_SOURCE=2-fexceptions-fstack-protector--param=ssp-buffer-size=32-Wformat-Wformat-security-m64-fasynchronous-unwind-tables-Wp-D_REENTRANT-ftree-loop-distribute-patterns-Wl-z-Wl
relro-fno-semantic-interposition-ffat-lto-objects-fno-signed-zeros-fno-trapping-math-fassociative-math-Wl-sort-common-Wl--enable-new-dtags-mtune=skylake
THEANO_FLAGS=floatX=float32 openmp=true gcc.cxxflags="-ftree-vectorize-mavx"
Compiler Notes: --build=x86_64-generic-linux --disable-libmpx --disable-libunwind-exceptions --disable-multiarch --disable-vtable-verify --disable-werror --enable-__cxa_atexit --enable-bootstrap --enable-cet --enable-clocale=gnu --enable-default-pie --enable-gnu-indirect-function --enable-languages=c,c++,fortran,go --enable-ld=default --enable-libstdcxx-pch --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --exec-prefix=/usr --includedir=/usr/include --target=x86_64-generic-linux --with-arch=westmere --with-gcc-major-version-only --with-glibc-version=2.19 --with-gnu-ld --with-isl --with-ppl=yes --with-tune=haswell
Processor Notes: Scaling Governor: intel_pstate performance
Java Notes: OpenJDK Runtime Environment (build 1.8.0-internal-2019_05_18_16_27-b00)
Security Notes: I1tf: 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 __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling

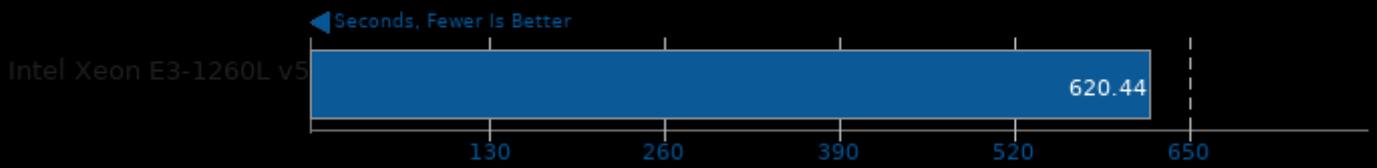
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Intel Xeon E3-1260L v5

CP2K Molecular Dynamics - Fayalite-FIST Data (sec)	620.44
Renaissance - Scala Dotty (ms)	6731
Standard Deviation	2.2%
Renaissance - Twitter Finagle (ms)	4748
Standard Deviation	2.7%
Renaissance - Apache Spark ALS (ms)	5519
Standard Deviation	2.2%
Renaissance - Apache Spark Bayes (ms)	9914
Standard Deviation	2.3%
Renaissance - Savina Reactors.IO (ms)	19823
Standard Deviation	2.9%
Renaissance - A.S.P (ms)	50143
Standard Deviation	2.7%
Renaissance - I.M.D.S (ms)	6677
Standard Deviation	2.7%
Renaissance - A.U.C.T (ms)	12754
Standard Deviation	2.6%
SVT-AV1 - 1.8.b.Y.T.A.V.E (FPS)	14.65
Standard Deviation	0.8%
Core-Latency - A.L.B.C.C (ns)	139.87

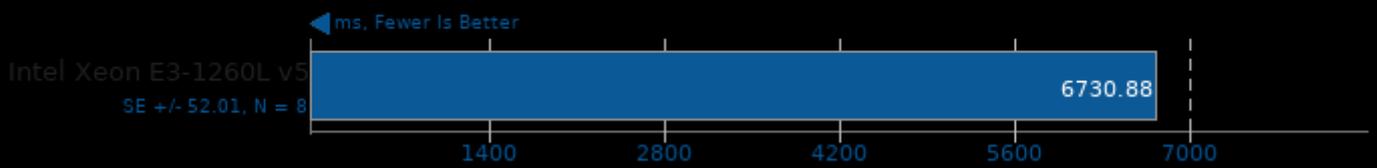
CP2K Molecular Dynamics 6.1

Fayalite-FIST Data



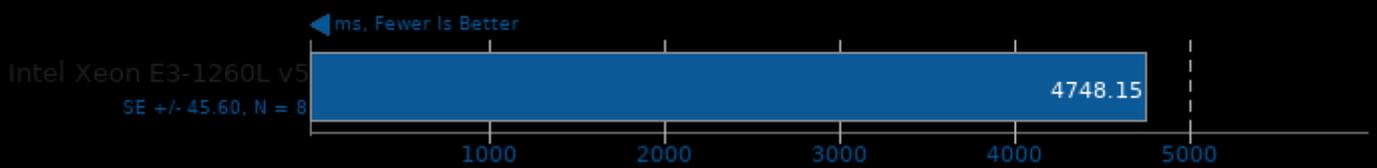
Renaissance 0.9.0

Test: Scala Dotty



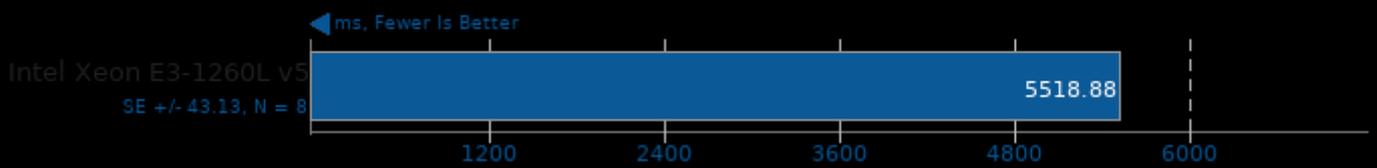
Renaissance 0.9.0

Test: Twitter Finagle



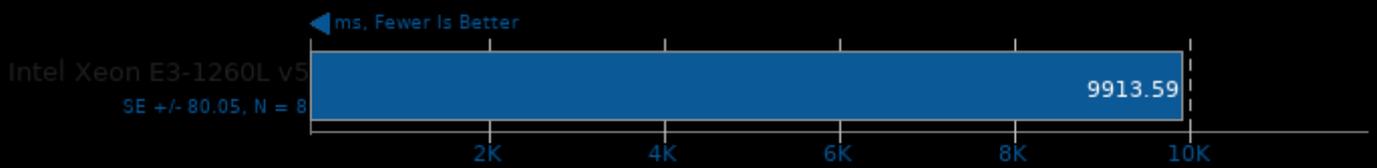
Renaissance 0.9.0

Test: Apache Spark ALS



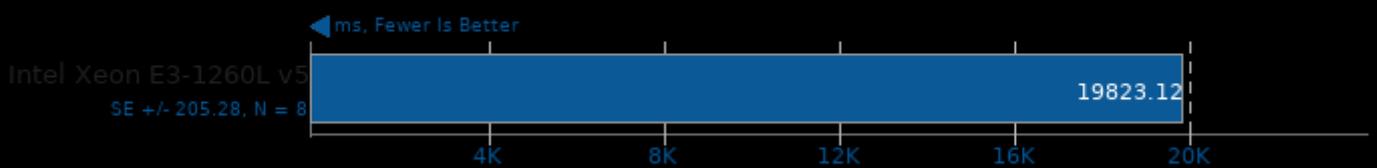
Renaissance 0.9.0

Test: Apache Spark Bayes



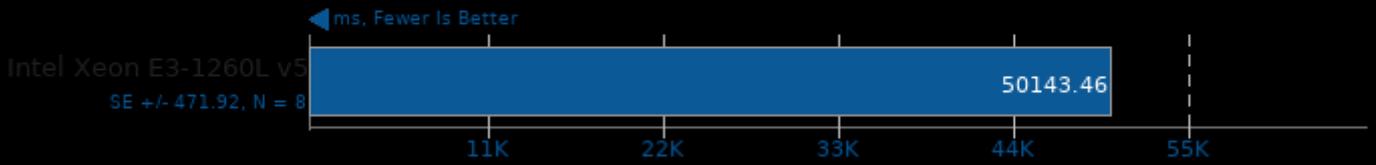
Renaissance 0.9.0

Test: Savina Reactors.IO



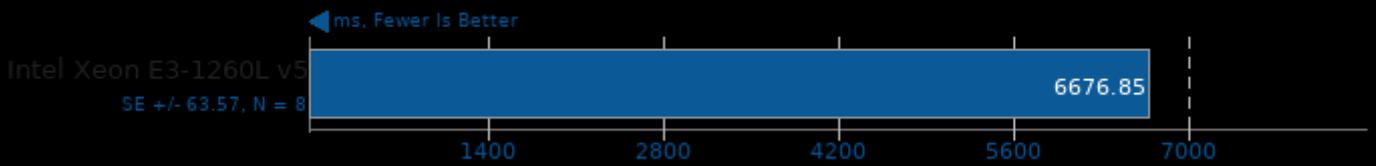
Renaissance 0.9.0

Test: Apache Spark PageRank



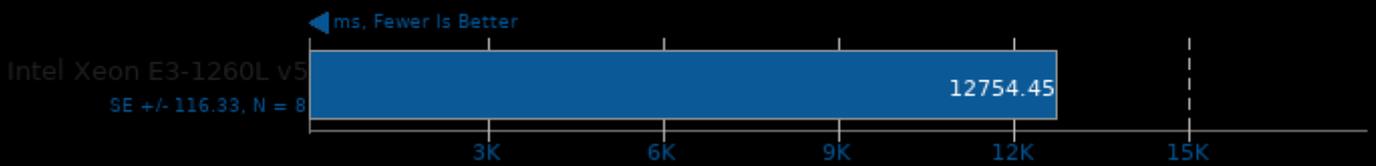
Renaissance 0.9.0

Test: In-Memory Database Shootout



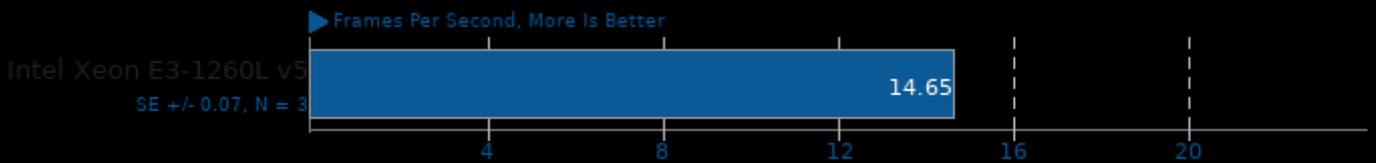
Renaissance 0.9.0

Test: Akka Unbalanced Cobwebbed Tree



SVT-AV1 0.5

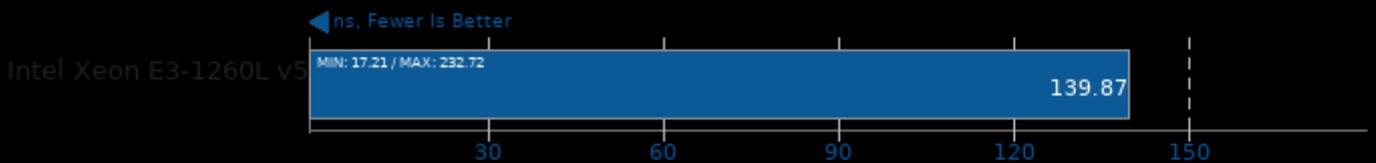
Test: 1080p 8-bit YUV To AV1 Video Encode



1. (CXX) g++ options: -O3 -pipe -fexceptions -fstack-protector -m64 -ffat-lto-objects -fno-signed-zeros -fno-trapping-math -fassociative-math -mtune=skylake

Core-Latency

Test: Average Latency Between CPU Cores



1. (CXX) g++ options: -std=c++11 -pthread -O3

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 04:05.