

www.phoronix-test-suite.com

test-scimark2-result

KVM testing on CentOS 7.6.1810 via the Phoronix Test Suite.

Test Systems:

Intel Xeon Platinum 8163

Processor: Intel Xeon Platinum 8163 (2 Cores / 4 Threads), Motherboard: Alibaba Cloud ECS (8c24b4c BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 1 x 8192 MB RAM, Disk: 99GB, Graphics: Cirrus Logic GD 5446, Network: Red Hat Virtio device

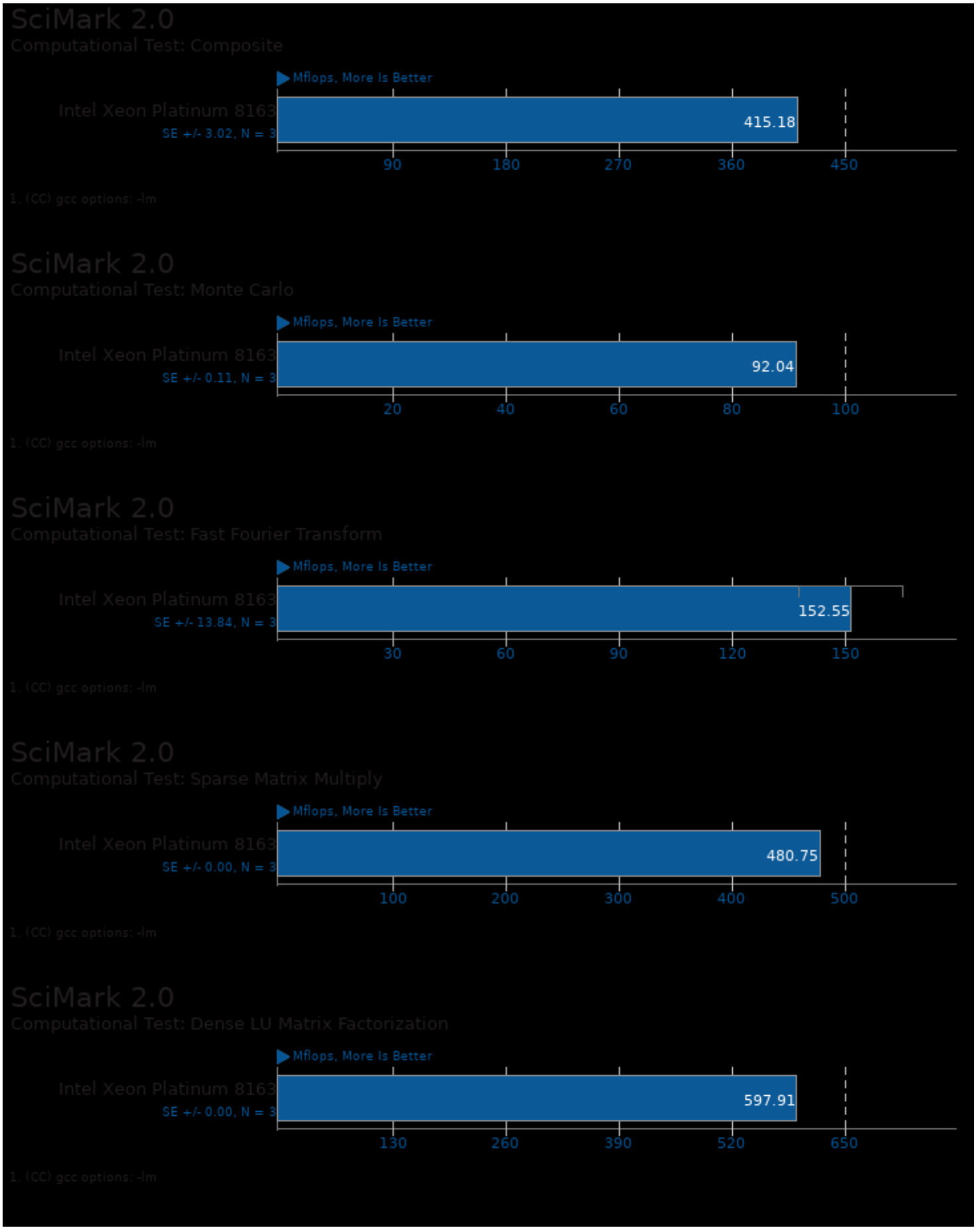
OS: CentOS 7.6.1810, Kernel: 3.10.0-957.21.3.el7.x86_64 (x86_64), Compiler: GCC 9.3.1 20200408, File-System: ext4, Screen Resolution: 1024x768, System Layer: KVM

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-redhat-linux --disable-libmpx --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++,fortran,lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/opt/rh/devtoolset-9/root/usr/share/man --with-arch_32=x86-64 --with-default-libstdcxx-abi=gcc4-compatible --with-gcc-major-version-only --with-linker-hash-style=gnu --with-tune=generic
Processor Notes: CPU Microcode: 0x1
Security Notes: l1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT Host state unknown + meltdown: Mitigation of PTI +

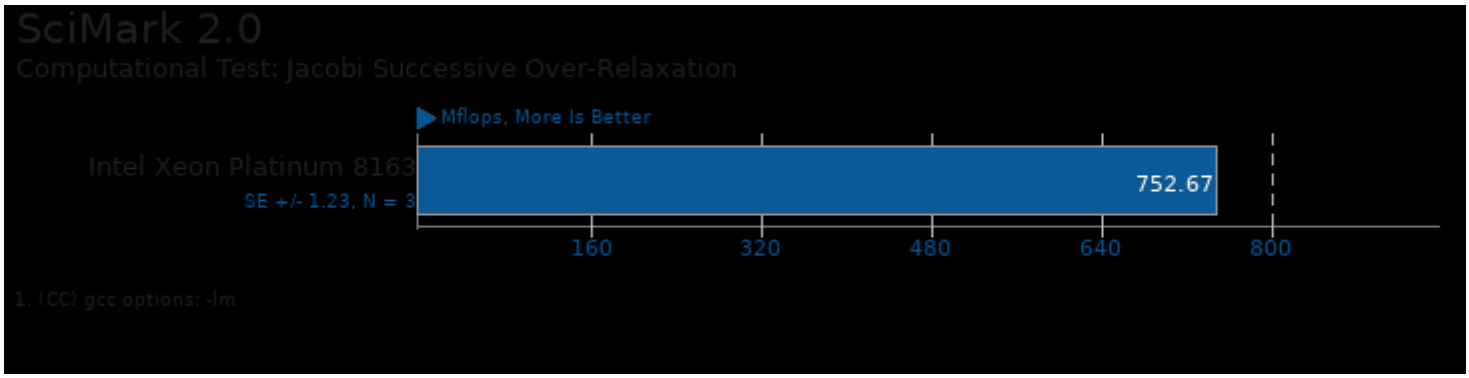
test-scimark2-result

spec_store_bypass: Vulnerable + spectre_v1: Mitigation of Load fences __user pointer sanitization + spectre_v2: Vulnerable: Retpoline on Skylake+ IBPB

	Intel Xeon Platinum 8163
SciMark - Composite (Mflops)	415.18
Standard Deviation	1.3%
SciMark - Monte Carlo (Mflops)	92.04
Standard Deviation	0.2%
SciMark - F.F.T (Mflops)	152.55
Standard Deviation	15.7%
SciMark - S.M.M (Mflops)	480.75
Standard Deviation	0%
SciMark - D.L.M.F (Mflops)	597.91
Standard Deviation	0%
SciMark - J.S.O.R (Mflops)	752.67
Standard Deviation	0.3%


SciMark 2.0
Computational Test: Composite
Mflops, More Is Better
Intel Xeon Platinum 8163
SE +/- 3.02, N = 3
415.18
90
180
270
360
450
1. (CC) gcc options: -lm
SciMark 2.0
Computational Test: Monte Carlo
Mflops, More Is Better
Intel Xeon Platinum 8163
SE +/- 0.11, N = 3
92.04
20
40
60
80
100
1. (CC) gcc options: -lm
SciMark 2.0
Computational Test: Fast Fourier Transform
Mflops, More Is Better
Intel Xeon Platinum 8163
SE +/- 13.84, N = 3
152.55
30
60
90
120
150
1. (CC) gcc options: -lm
SciMark 2.0
Computational Test: Sparse Matrix Multiply
Mflops, More Is Better
Intel Xeon Platinum 8163
SE +/- 0.00, N = 3
480.75
100
200
300
400
500
1. (CC) gcc options: -lm
SciMark 2.0
Computational Test: Dense LU Matrix Factorization
Mflops, More Is Better
Intel Xeon Platinum 8163
SE +/- 0.00, N = 3
597.91
130
260
390
520
650
1. (CC) gcc options: -lm

test-scimark2-result



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 16:07.