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2022-12-22-0319

2 x < Sec-V Krnl Protect > testing with a Dell 06WXJT (2.13.3 BIOS) and Matrox G200eW3 on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

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mlc_run1_22-12_BM

Processor: 2 x Intel Xeon Silver 4208 @ 3.20GHz (16 Cores / 32 Threads), Motherboard: Dell 06WXJT (2.13.3 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 64GB, Disk: 6000GB PERC H750 Adp + 299GB PERC H750 Adp, Graphics: Matrox G200eW3, Network: 4 x Broadcom NetXtreme BCM5720 2-port PCIe

OS: Ubuntu 20.04, Kernel: 5.4.0-135-generic (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server, Compiler: GCC 9.4.0, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate powersave - 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 + retbleed: Mitigation of Enhanced IBRS + 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

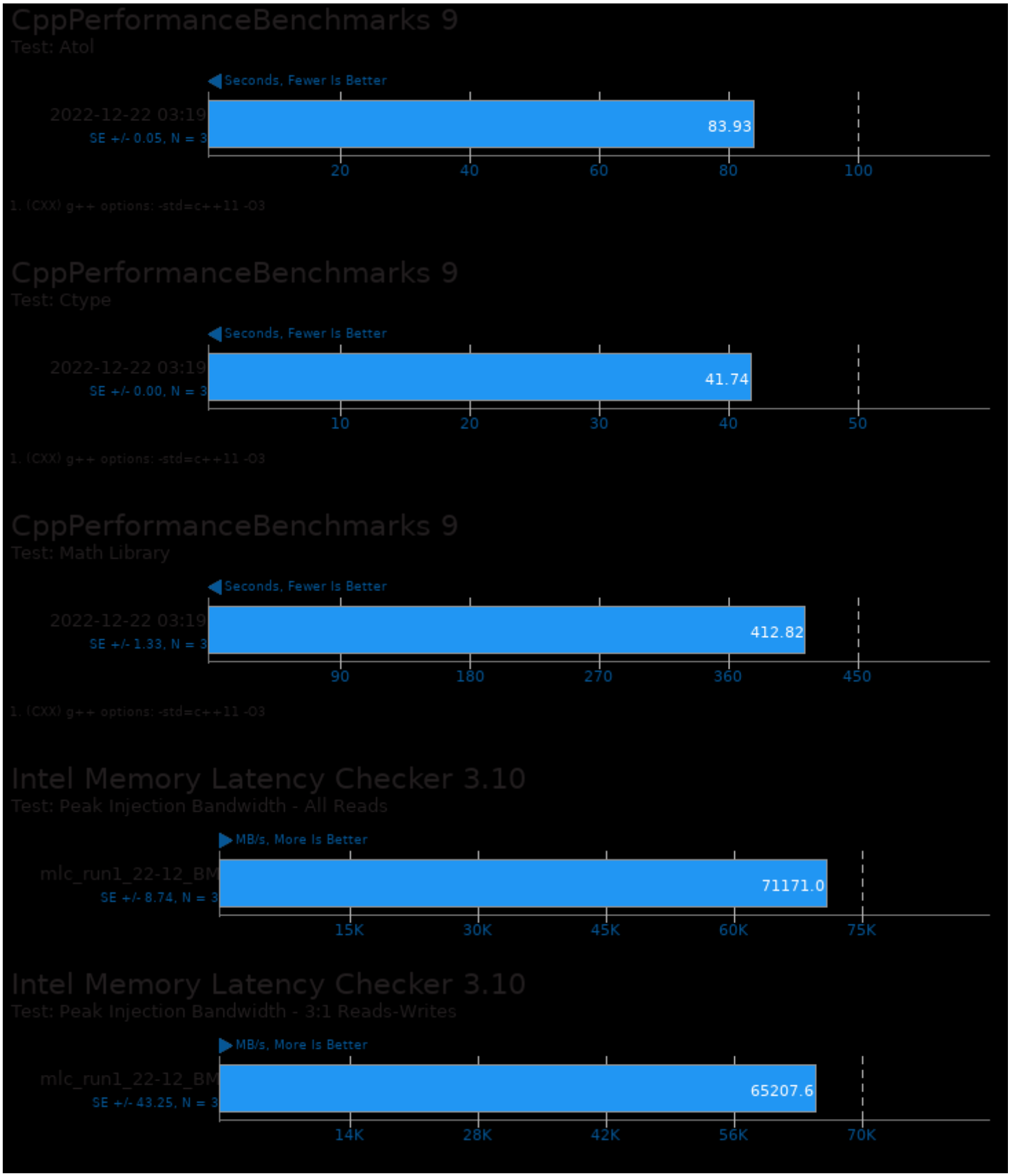
mlc_run1_22-12_CHESS_P

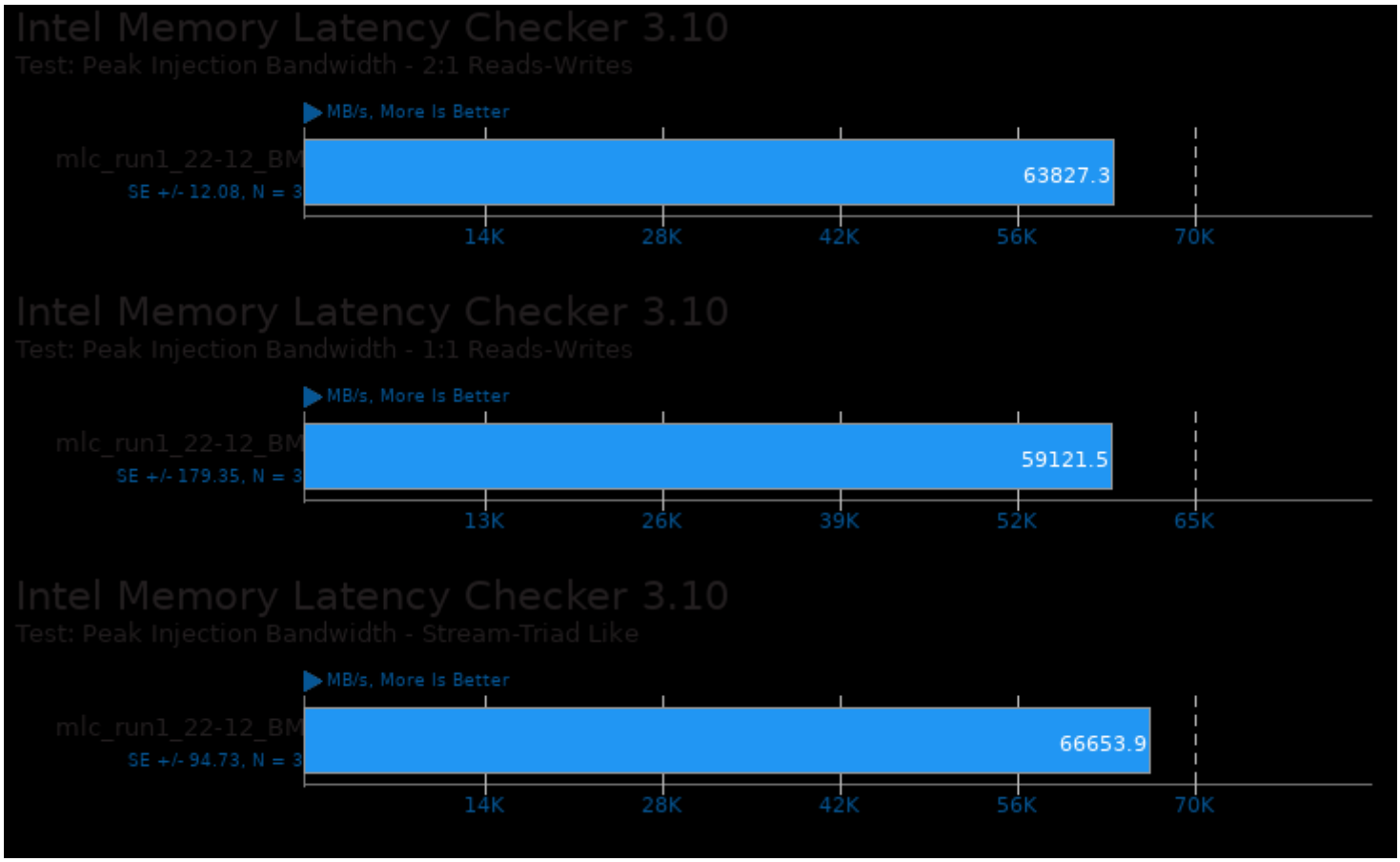
Processor: 2 x < Sec-V Krnl Protect > @ 3.20GHz (16 Cores / 32 Threads), Motherboard: Dell 06WXJT (2.13.3 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 64GB, Disk: 6000GB PERC H750 Adp + 299GB PERC H750 Adp, Graphics: Matrox G200eW3, Network: 4 x Broadcom NetXtreme BCM5720 2-port PCIe

OS: Ubuntu 20.04, Kernel: 5.4.0-135-generic (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server, Compiler: GCC 9.4.0, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x500320a
Security Notes: itlb_multihit: KVM: Vulnerable + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + retbleed: Mitigation of Enhanced IBRS + 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

	2022-12-22 03:19	mlc_run1_22-12_BM	mlc_run1_22-12_CHESS_P
CppPerformanceBenchmarks - Atol (sec)	83.929		
Standard Deviation	0.1%		
CppPerformanceBenchmarks - Ctype (sec)	41.737		
Standard Deviation	0%		
CppPerformanceBenchmarks - Math Library (sec)	412.815		
Standard Deviation	0.6%		
Intel Memory Latency Checker - P.I.B - All Reads (MB/s)		71171	
Standard Deviation		0%	
Intel Memory Latency Checker - P.I.B - 3:1 Reads-Writes (MB/s)		65208	
Standard Deviation		0.1%	
Intel Memory Latency Checker - P.I.B - 2:1 Reads-Writes (MB/s)		63827	
Standard Deviation		0%	
Intel Memory Latency Checker - P.I.B - 1:1 Reads-Writes (MB/s)		59122	
Standard Deviation		0.5%	
Intel Memory Latency Checker - P.I.B - Stream-Triad Like (MB/s)		66654	
Standard Deviation		0.2%	


CppPerformanceBenchmarks 9
Test: Atol
Seconds, Fewer Is Better
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SE +/- 0.05, N = 3
83.93
20
40
60
80
100
1. (CXX) g++ options: -std=c++11 -O3
CppPerformanceBenchmarks 9
Test: Ctype
Seconds, Fewer Is Better
2022-12-22 03:19
SE +/- 0.00, N = 3
41.74
10
20
30
40
50
1. (CXX) g++ options: -std=c++11 -O3
CppPerformanceBenchmarks 9
Test: Math Library
Seconds, Fewer Is Better
2022-12-22 03:19
SE +/- 1.33, N = 3
412.82
90
180
270
360
450
1. (CXX) g++ options: -std=c++11 -O3
Intel Memory Latency Checker 3.10
Test: Peak Injection Bandwidth - All Reads
MB/s, More Is Better
mlc_run1_22-12_BM
SE +/- 8.74, N = 3
71171.0
15K
30K
45K
60K
75K
Intel Memory Latency Checker 3.10
Test: Peak Injection Bandwidth - 3:1 Reads-Writes
MB/s, More Is Better
mlc_run1_22-12_BM
SE +/- 43.25, N = 3
65207.6
14K
28K
42K
56K
70K



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 00:38.