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cloudsuite xeon 8380 2p

2 x Intel Xeon Platinum 8380 testing with a Intel M50CYP2SB2U (SE5C6200.86B.0022.D08.2103221623 BIOS) and ASPEED on Ubuntu 22.10 via the Phoronix Test Suite.

Automated Executive Summary

d had the most wins, coming in first place for 37% of the tests.

Based on the geometric mean of all complete results, the fastest (2 x Intel Xeon Platinum 8380 - ASPEED - Intel) was 1x the speed of the slowest (2 x Intel Xeon Platinum 8380 - ASPEED - Intel). c was 1x the speed of d, b was 1x the speed of c, 2 x Intel Xeon Platinum 8380 - ASPEED - Intel was 1x the speed of b.

Test Systems:

2 x Intel Xeon Platinum 8380 - ASPEED - Intel

b

c

d

Processor: 2 x Intel Xeon Platinum 8380 @ 3.40GHz (80 Cores / 160 Threads), Motherboard: Intel M50CYP2SB2U (SE5C6200.86B.0022.D08.2103221623 BIOS), Chipset: Intel Ice Lake IEH, Memory: 512GB, Disk: 3841GB Micron_9300_MTFDHAL3T8TDP, Graphics: ASPEED, Monitor: VE228, Network: 2 x Intel X710 for 10GBASE-T + 2 x Intel E810-C for QSFP

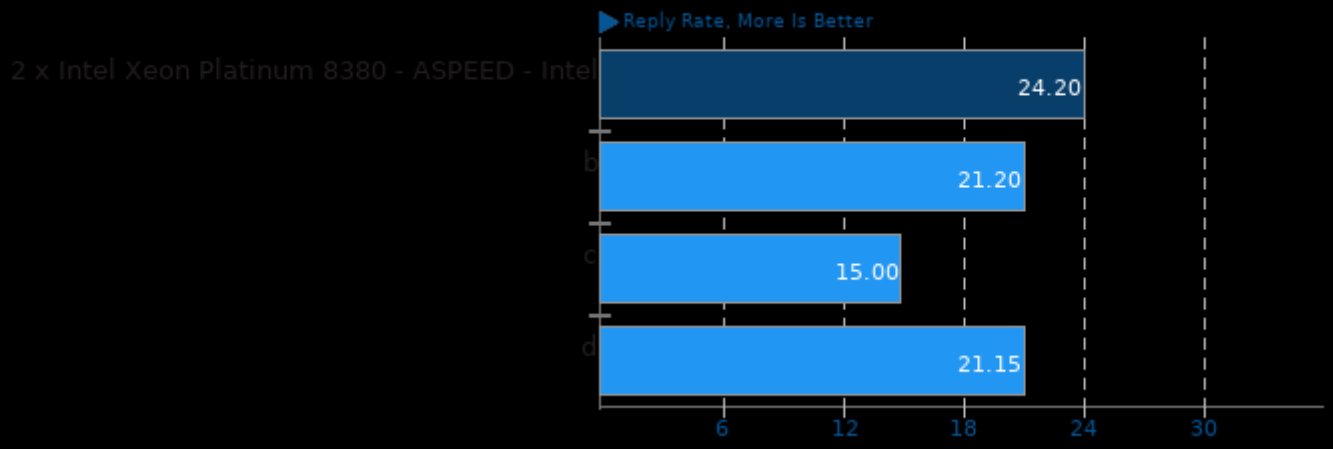
OS: Ubuntu 22.10, Kernel: 6.0.0-060000rc3daily20220904-generic (x86_64), Desktop: GNOME Shell, Display Server: X Server 1.21.1.3, Vulkan: 1.3.211, Compiler: GCC 12.2.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0xd000375
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + retbleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + 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: Not affected

	2 x Intel Xeon Platinum 8380 - ASPEED - Intel	b	c	d
CloudSuite Media Streaming (Reply Rate)	**24.2**	21.2	**15**	21.15
Normalized	100%	87.6%	61.98%	87.4%
CloudSuite Data Analytics - 1 (ms)	957678	955786	**961485**	**943294**
Normalized	98.5%	98.69%	98.11%	100%
Standard Deviation		0.8%	0.4%	
CloudSuite Data Analytics - 4 (ms)	**883431**	895066	889536	**902152**
Normalized	100%	98.7%	99.31%	97.92%
Standard Deviation		1.1%	0.8%	
CloudSuite Data Analytics - 8 (ms)	902999	904808	**902183**	**913578**
Normalized	99.91%	99.71%	100%	98.75%
Standard Deviation		0.6%	0.1%	
CloudSuite Data Analytics - 32 (ms)	**961637**	960844	**26449**	957063
Normalized	2.75%	2.75%	100%	2.76%
Standard Deviation		0.3%		
CloudSuite Data Analytics - 64 (ms)	973165	974237	**983547**	**969491**
Normalized	99.62%	99.51%	98.57%	100%
Standard Deviation		0.4%		
CloudSuite Graph Analytics (ms)	11843	**11883**	**11411**	11437
Normalized	96.35%	96.03%	100%	99.77%
Standard Deviation		1%		
CloudSuite In-Memory Analytics (ms)	262437	**263483**	263271	**261933**
Normalized	99.81%	99.41%	99.49%	100%
Standard Deviation		0.5%		

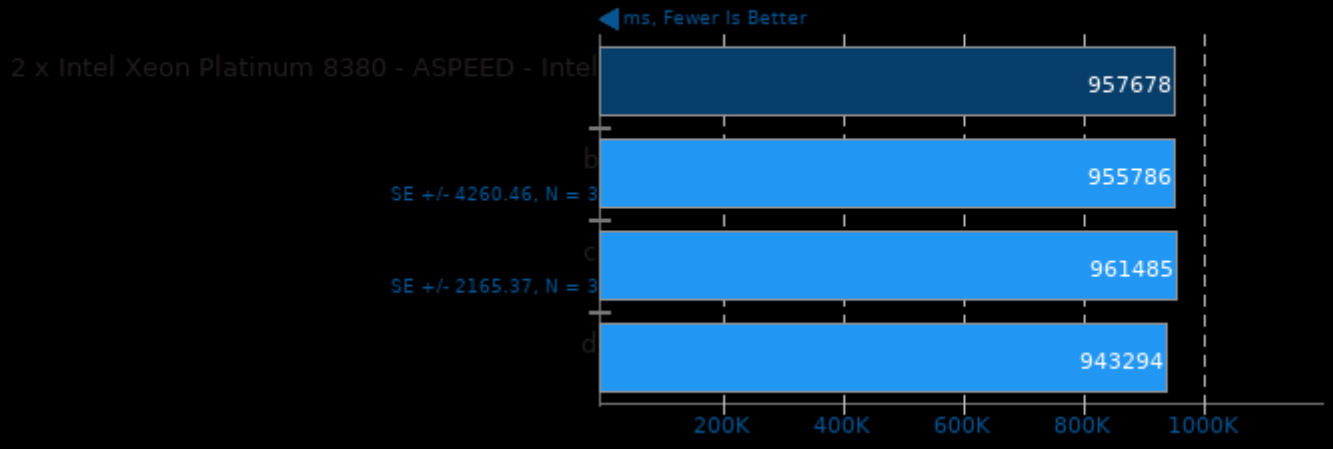
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CloudSuite Media Streaming



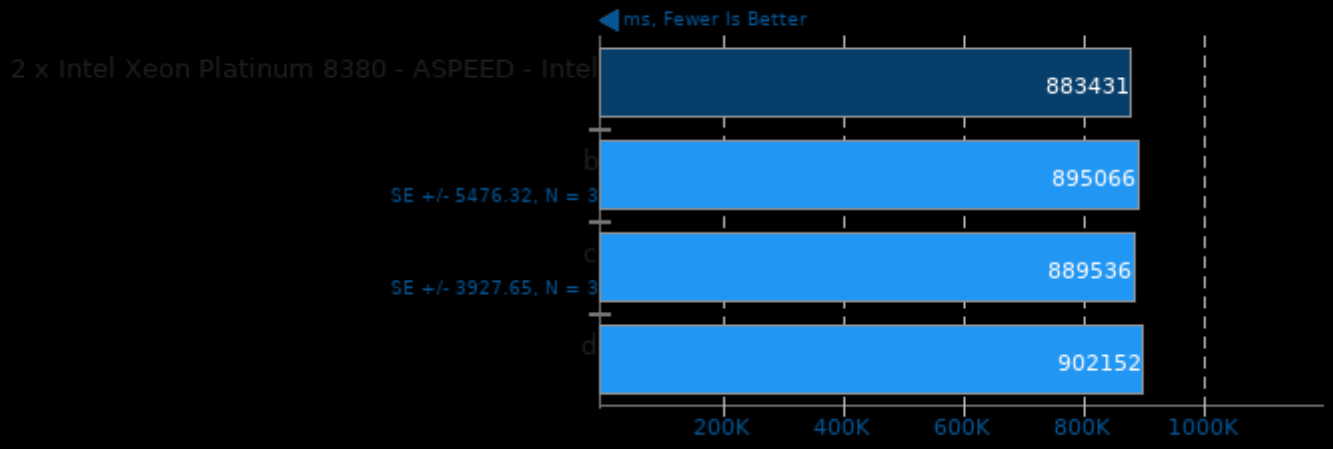
CloudSuite Data Analytics

Hadoop Slaves: 1



CloudSuite Data Analytics

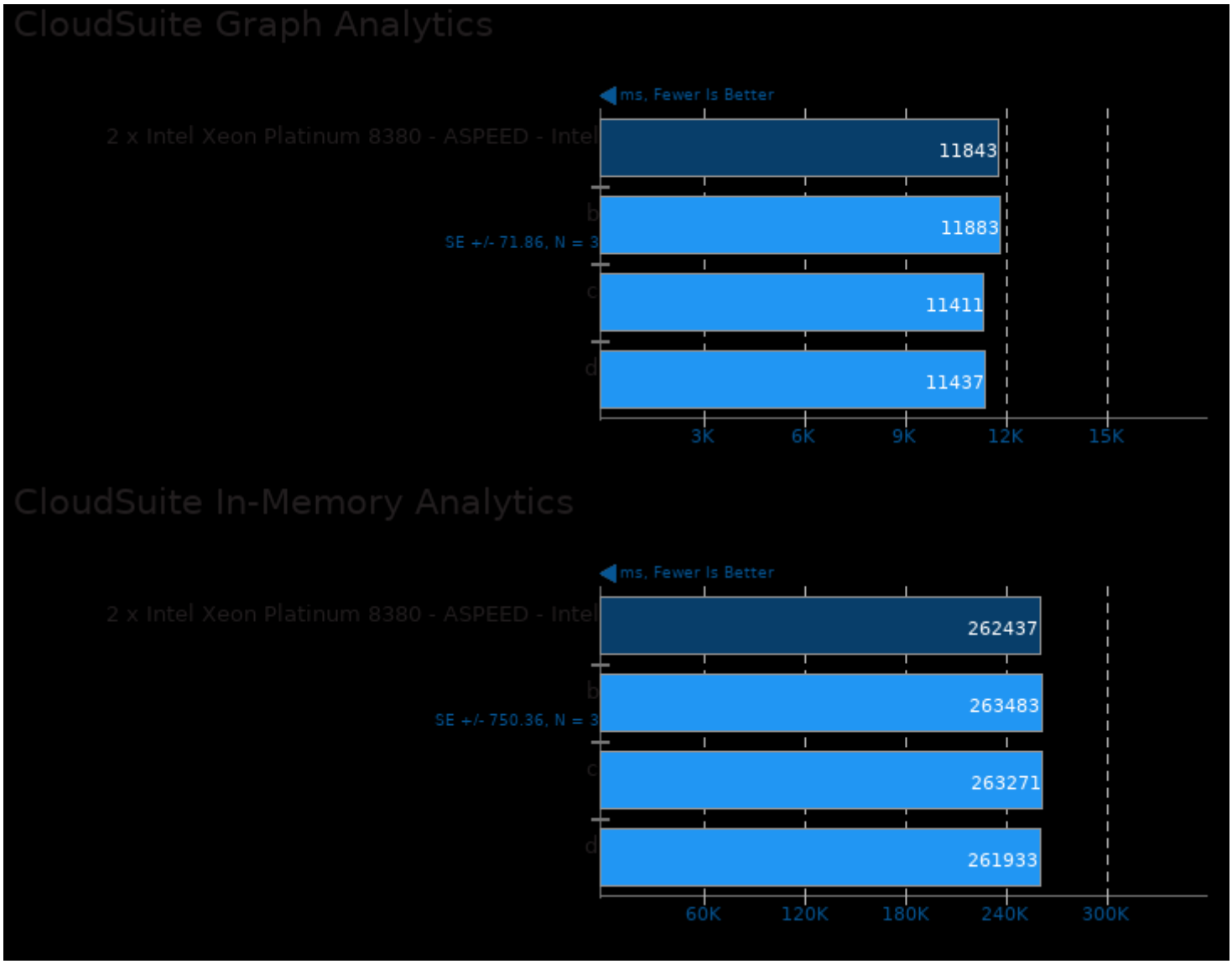
Hadoop Slaves: 4



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