

www.phoronix-test-suite.com

dbaas-optane-0603

Running pts/intel-mlc-1.0.0 via the Phoronix Test Suite.

Test Systems:

optane

cloud-suit-optane

load over 90 memory - optane

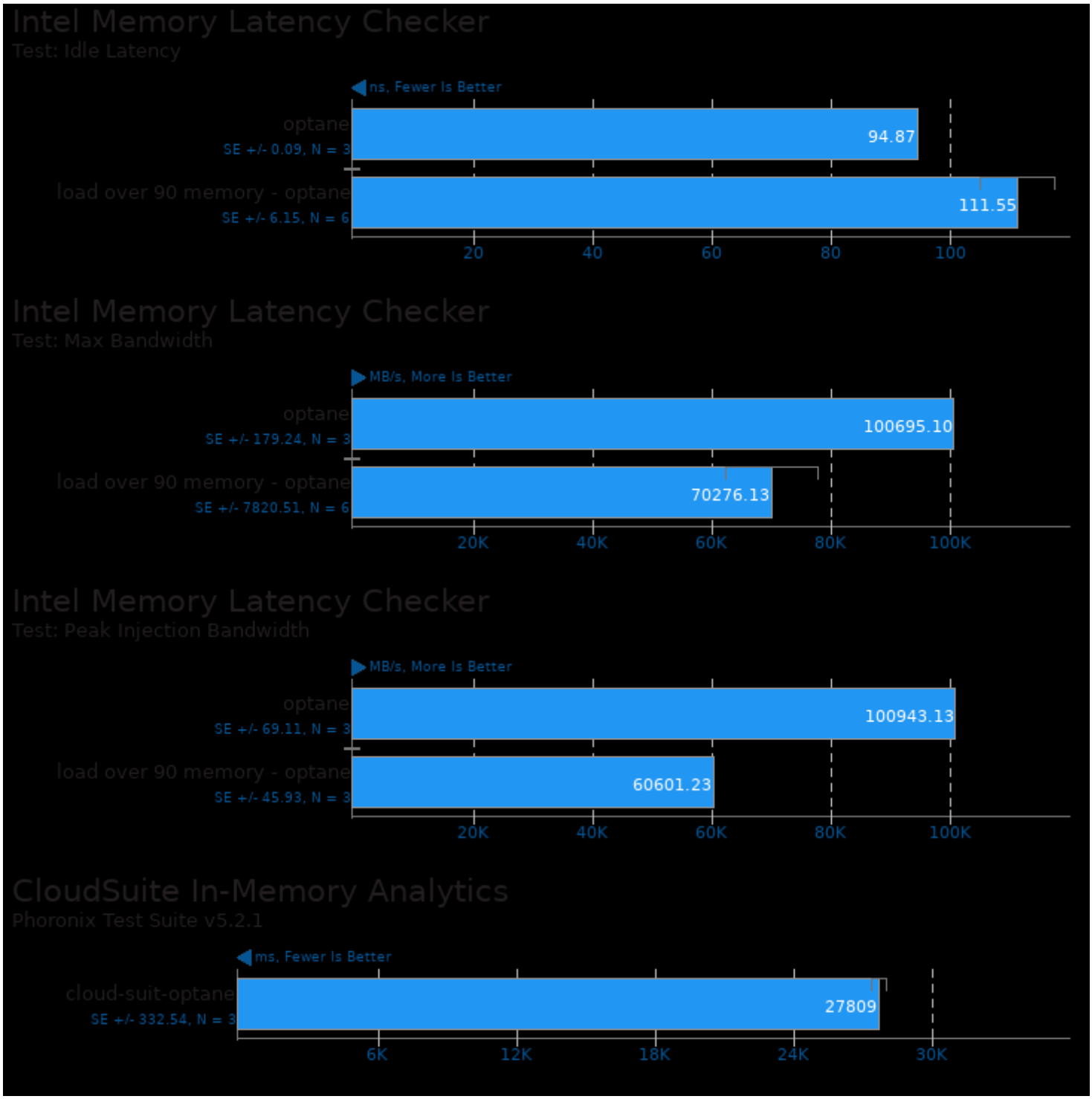
Processor: 2 x Intel Xeon Silver 4215R @ 3.20GHz (32 Cores), Motherboard: HPE ProLiant DL360 Gen10, Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 129408 MB + 16384 MB + 16384 MB + 16384 MB + 16384 MB + 129408 MB + 129408 MB + 16384 MB + 16384 MB + 16384 MB + 16384 MB + 129408 MB DDR4-2666MT/s, Disk: 1466GB, Graphics: Matrox s MGA G200eH3, Network: Intel 10G X550T

OS: Ubuntu 18.04, Kernel: 4.15.0-140-generic (x86_64), File-System: ext4, Screen Resolution: 1024x768

dbaas-optane-0603

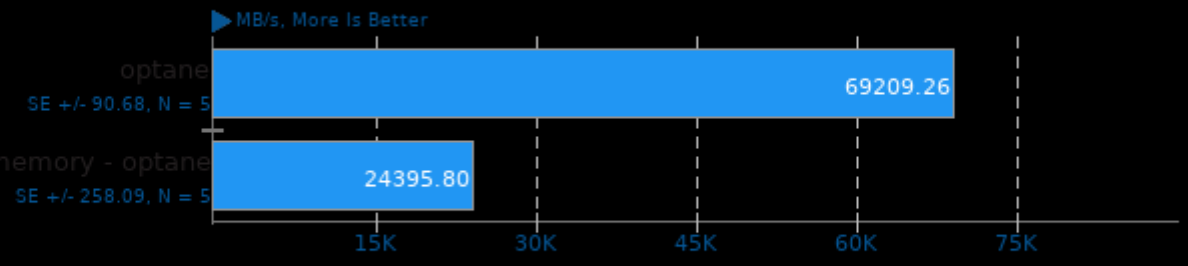
Kernel Notes: nvme_core.multipath=0

	optane	cloud-suit-optane	load over 90 memory - optane
Intel Memory Latency Checker - Idle Latency (ns)	**94.87**		**111.55**
Normalized	100%		85.05%
Standard Deviation	0.2%		13.5%
Intel Memory Latency Checker - Max Bandwidth (MB/s)	**100695**		**70276**
Normalized	100%		69.79%
Standard Deviation	0.3%		27.3%
Intel Memory Latency Checker - P.I.B (MB/s)	**100943**		**60601**
Normalized	100%		60.04%
Standard Deviation	0.1%		0.1%
CloudSuite In-Memory Analytics - P.T.S.v.2.1 (ms)		27809	
Standard Deviation		2.1%	
Stream - Copy (MB/s)	**69209**		**24396**
Normalized	100%		35.25%
Standard Deviation	0.3%		2.4%
Stream - Scale (MB/s)	**71191**		**24680**
Normalized	100%		34.67%
Standard Deviation	0.1%		5.7%
Stream - Triad (MB/s)	**80562**		**30890**
Normalized	100%		38.34%
Standard Deviation	0.1%		1.8%
Stream - Add (MB/s)	**80573**		**30197**
Normalized	100%		37.48%
Standard Deviation	0.3%		3.6%


Intel Memory Latency Checker
Test: Idle Latency
ns, Fewer Is Better
optane
SE +/- 0.09, N = 3
94.87
load over 90 memory - optane
SE +/- 6.15, N = 6
111.55
20
40
60
80
100
Intel Memory Latency Checker
Test: Max Bandwidth
MB/s, More Is Better
optane
SE +/- 179.24, N = 3
100695.10
load over 90 memory - optane
SE +/- 7820.51, N = 6
70276.13
20K
40K
60K
80K
100K
Intel Memory Latency Checker
Test: Peak Injection Bandwidth
MB/s, More Is Better
optane
SE +/- 69.11, N = 3
100943.13
load over 90 memory - optane
SE +/- 45.93, N = 3
60601.23
20K
40K
60K
80K
100K
CloudSuite In-Memory Analytics
Phoronix Test Suite v5.2.1
ms, Fewer Is Better
cloud-suit-optane
SE +/- 332.54, N = 3
27809
6K
12K
18K
24K
30K

Stream 2013-01-17

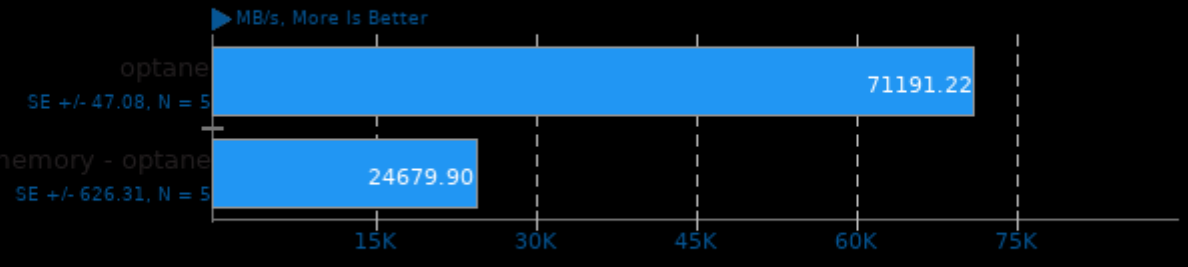
Type: Copy



1. (CC) gcc options: -O3 -march=native -fopenmp

Stream 2013-01-17

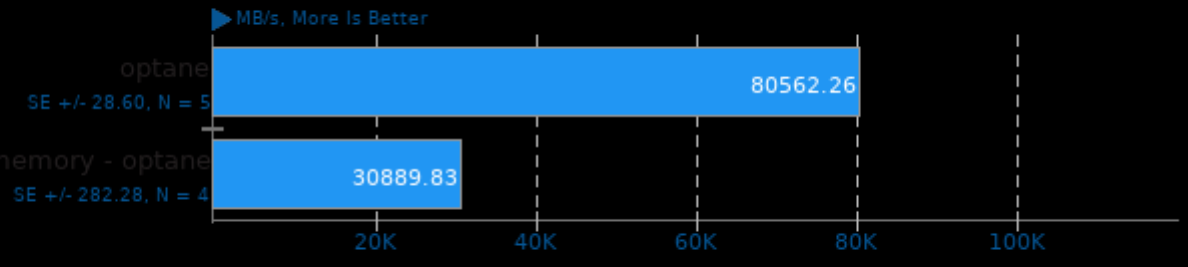
Type: Scale



1. (CC) gcc options: -O3 -march=native -fopenmp

Stream 2013-01-17

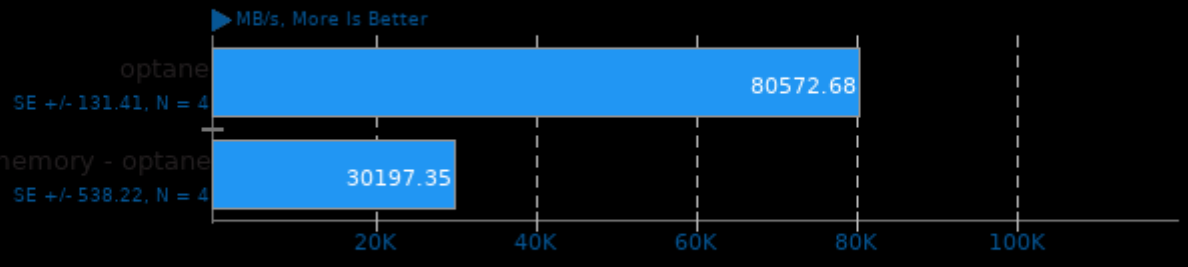
Type: Triad



1. (CC) gcc options: -O3 -march=native -fopenmp

Stream 2013-01-17

Type: Add



1. (CC) gcc options: -O3 -march=native -fopenmp

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 07:19.