Sheet1

Benchmark result with my custom script focused on the CPU/Latency

*Loaded = simulated whole system which load become around 250-280

KernelLL-optimized-12cpus-node1 5'903.80 3'542'303.00 2.02 2.03 31.85 2.03 7'180'188.73	Interbench (ms)	Min	Max	Loaded Min	Loaded Max			
Sysbench CPU (12th, ms) Events/s Total events min avg max 95th percentile sum Default-config-12cpus 5'967.07 3'580'263.00 2.01 2.01 2.41 2.00 7'199'434.17 KernelLL-optimized-12cpus-node1 5'903.80 3'542'303.00 2.02 2.03 31.85 2.03 7'180'188.73	Default-config-12cpus	0	119.6	N/A	N/A			
Sysbench CPU (12th, ms) Events/s Total events min avg max 95th percentile sum Default-config-12cpus 5'967.07 3'580'263.00 2.01 2.01 2.41 2.00 7'199'434.17 KernelLL-optimized-12cpus-node1 5'903.80 3'542'303.00 2.02 2.03 31.85 2.03 7'180'188.73	KernelLL-optimized-12cpus-node1	0	12	N/A	N/A			
Default-config-12cpus 5'967.07 3'580'263.00 2.01 2.01 2.41 2.00 7'199'434.1 KernelLL-optimized-12cpus-node1 5'903.80 3'542'303.00 2.02 2.03 31.85 2.03 7'180'188.73	KernelGeneric-optimized-12cpus-node1	0	1	N/A	N/A			
Default-config-12cpus 5'967.07 3'580'263.00 2.01 2.01 2.41 2.00 7'199'434.1 KernelLL-optimized-12cpus-node1 5'903.80 3'542'303.00 2.02 2.03 31.85 2.03 7'180'188.73								
KernelLL-optimized-12cpus-node1 5'903.80 3'542'303.00 2.02 2.03 31.85 2.03 7'180'188.73	Sysbench CPU (12th, ms)	Events/s	Total events	min	avg	max !	95th percentile	sum
	Default-config-12cpus	5'967.07	3'580'263.00	2.03	1 2.01	2.41	2.00	7'199'434.17
KernelGeneric-optimized-12cpus-node1 5'936.19 3'561'729.00 2.01 2.02 2.04 2.03 7'180'269.69	KernelLL-optimized-12cpus-node1	5'903.80	3'542'303.00	2.02	2 2.03	31.85	2.03	7'180'188.71
	KernelGeneric-optimized-12cpus-node1	5'936.19	3'561'729.00	2.03	1 2.02	2.04	2.03	7'180'269.69
Sysbench CPU (loaded, 12th, ms) Events/s Total events min avg max 95th percentile sum	Sysbench CPU (loaded, 12th, ms)	Events/s	Total events	min	avg	max !	95th percentile	sum
Default-config-12cpus 4'049.79 2'429'884.00 2.01 2.96 436.01 4.91 7'198'873.86	Default-config-12cpus	4'049.79	2'429'884.00	2.03	1 2.96	436.01	4.91	7'198'873.86
KernelLL-optimized-12cpus-node1 5'886.86 3'532'132.00 2.03 2.03 19.79 2.03 7'180'203.95	KernelLL-optimized-12cpus-node1	5'886.86	3'532'132.00	2.03	3 2.03	19.79	2.03	7'180'203.95
KernelGeneric-optimized-12cpus-node1 5'936.27 3'561'781.00 2.01 2.02 2.05 2.03 7'180'349.08	KernelGeneric-optimized-12cpus-node1	5'936.27	3'561'781.00	2.03	1 2.02	2.05	2.03	7'180'349.08
Sysbench CPU (24th, ms) Events/s Total events min avg max 95th percentile sum							•	
↓	- ·	5'965.59				46.01	17.95	14'398'647.71
KernelLL-optimized-12cpus-node1 5'885.29 3'531'193.00 2.03 2.03 50.34 2.03 7'180'240.13	KernelLL-optimized-12cpus-node1	5'885.29	3'531'193.00	2.03	3 2.03	50.34	2.03	7'180'240.11
KernelGeneric-optimized-12cpus-node1 5'936.20 3'561'738.00 2.01 2.02 2.04 2.03 7'180'232.89	KernelGeneric-optimized-12cpus-node1	5'936.20	3'561'738.00	2.03	1 2.02	2.04	2.03	7'180'232.89
Sysbench CPU (loaded, 24th, ms) Events/s Total events min avg max 95th percentile sum	• • • • • • •	Events/s					95th percentile	
	g ,			_	_			14'397'978.60
		5'886.91	3'532'168.00	2.03	3 2.03	19.95	2.03	7'180'202.91
KernelGeneric-optimized-12cpus-node1 5'932.06 3'559'255.00 2.01 2.02 2.08 2.03 7'180'199.59	KernelGeneric-optimized-12cpus-node1	5'932.06	3'559'255.00	2.03	1 2.02	2.08	2.03	7'180'199.55

Sheet1

Sysbench Threads (12th, ms)	Events/s	Total events	min	avg	max 9	5th percentile	sum	
Default-config-12cpus		4'103'006.00	0.45	1.75	19.45	6.43	7'198'915.49	
KernelLL-optimized-12cpus-node1		4'269'081.00	0.51	1.68	13.98	9.22	7'177'794.72	
KernelGeneric-optimized-12cpus-node1		4'061'759.00	0.51	1.77	6.82	5.57	7'178'755.71	
Sysbench Threads (loaded 12th, ms)	Events/s	Total events	min	avg	max 9	5th percentile	sum	
Default-config-12cpus		1'227'192.00	0.44	5.87	280.52	30.26	7'199'277.96	
KernelLL-optimized-12cpus-node1		3'398'601.00	0.51	2.11	19.07	11.45	7'180'523.80	
KernelGeneric-optimized-12cpus-node1		3'205'630.00	0.49	2.24	21.57	7.70	7'181'422.27	
Cook and hards (0.44b, max)	Evente/e	Tatal avanta)[th		
Sysbench Threads (24th, ms)	Events/s	Total events	min	avg		95th percentile	Sum	
Default-config-12cpus		3'222'285.00	0.44	4.47	423.61	27.17	14'399'322.06	
KernelLL-optimized-12cpus-node1		3'344'628.00	0.50	4.30	43.57		14'382'543.13	
KernelGeneric-optimized-12cpus-node1		3'599'949.00	0.49	3.99	37.37	28.16	14'380'666.30	
Sysbench Threads (loaded, 24th, ms)	Events/s	Total events	min	ava.	max 9	95th percentile	sum	
• • • • • • • • • • • • • • • • • • • •	Evenis/s			avg 4 47				
Default-config-12cpus	Events/s	3'222'285.00	0.44	4.47	423.61	27.17	14'399'322.06	
Default-config-12cpus KernelLL-optimized-12cpus-node1	Events/s	3'222'285.00 2'821'736.00	0.44 0.51	4.47 5.10	423.61 47.22	27.17 35.59	14'399'322.06 14'383'686.38	
Default-config-12cpus	EVEITS/S	3'222'285.00	0.44	4.47	423.61	27.17 35.59	14'399'322.06	
Default-config-12cpus KernelLL-optimized-12cpus-node1	Events/s	3'222'285.00 2'821'736.00	0.44 0.51	4.47 5.10	423.61 47.22	27.17 35.59 34.33	14'399'322.06 14'383'686.38	sum
Default-config-12cpus KernelLL-optimized-12cpus-node1 KernelGeneric-optimized-12cpus-node1		3'222'285.00 2'821'736.00 2'951'717.00 Mib/s	0.44 0.51 0.49	4.47 5.10 4.87	423.61 47.22 46.11	27.17 35.59 34.33	14'399'322.06 14'383'686.38 14'382'816.22	sum 1590514
Default-config-12cpus KernelLL-optimized-12cpus-node1 KernelGeneric-optimized-12cpus-node1 Sysbench Memory (12th, ms)	Events/s	3'222'285.00 2'821'736.00 2'951'717.00 Mib/s 761.21	0.44 0.51 0.49 Total events	4.47 5.10 4.87	423.61 47.22 46.11 avg	27.17 35.59 34.33 max	14'399'322.06 14'383'686.38 14'382'816.22 95th percentile	
Default-config-12cpus KernelLL-optimized-12cpus-node1 KernelGeneric-optimized-12cpus-node1 Sysbench Memory (12th, ms) Default-config-12cpus KernelLL-optimized-12cpus-node1	Events/s 779'479.21	3'222'285.00 2'821'736.00 2'951'717.00 Mib/s 761.21 649.93	0.44 0.51 0.49 Total events 104'857'596.00	4.47 5.10 4.87 min 0.00	423.61 47.22 46.11 avg 0.02	27.17 35.59 34.33 max 0.49	14'399'322.06 14'383'686.38 14'382'816.22 95th percentile 0.02	1590514
Default-config-12cpus KernelLL-optimized-12cpus-node1 KernelGeneric-optimized-12cpus-node1 Sysbench Memory (12th, ms) Default-config-12cpus	Events/s 779'479.21 665'526.34	3'222'285.00 2'821'736.00 2'951'717.00 Mib/s 761.21 649.93	0.44 0.51 0.49 Total events 104'857'596.00 104'857'596.00	4.47 5.10 4.87 min 0.00 0.00	423.61 47.22 46.11 avg 0.02 0.01	27.17 35.59 34.33 max 0.49 0.47	14'399'322.06 14'383'686.38 14'382'816.22 95th percentile 0.02 0.02	1590514 1286364
Default-config-12cpus KernelLL-optimized-12cpus-node1 KernelGeneric-optimized-12cpus-node1 Sysbench Memory (12th, ms) Default-config-12cpus KernelLL-optimized-12cpus-node1	Events/s 779'479.21 665'526.34	3'222'285.00 2'821'736.00 2'951'717.00 Mib/s 761.21 649.93	0.44 0.51 0.49 Total events 104'857'596.00 104'857'596.00	4.47 5.10 4.87 min 0.00 0.00	423.61 47.22 46.11 avg 0.02 0.01	27.17 35.59 34.33 max 0.49 0.47 0.03	14'399'322.06 14'383'686.38 14'382'816.22 95th percentile 0.02 0.02	1590514 1286364
Default-config-12cpus KernelLL-optimized-12cpus-node1 KernelGeneric-optimized-12cpus-node1 Sysbench Memory (12th, ms) Default-config-12cpus KernelLL-optimized-12cpus-node1 KernelGeneric-optimized-12cpus-node1	Events/s 779'479.21 665'526.34 668'284.00	3'222'285.00 2'821'736.00 2'951'717.00 Mib/s 761.21 649.93 652.62 Mib/s	0.44 0.51 0.49 Total events 104'857'596.00 104'857'596.00	4.47 5.10 4.87 min 0.00 0.00 0.00	423.61 47.22 46.11 avg 0.02 0.01 0.01	27.17 35.59 34.33 max 0.49 0.47 0.03	14'399'322.06 14'383'686.38 14'382'816.22 95th percentile 0.02 0.02 0.02	1590514 1286364 1289194

Sheet1

KernelGeneric-optimized-12cpus-node1

KernelGeneric-optimized-12cpus-node1

Sysbench Memory (24th, ms) Default-config-12cpus KernelLL-optimized-12cpus-node1 KernelGeneric-optimized-12cpus-node1	Events/s 778'194.37 669'685.22 668'706.12	653.99	Total events 104'857'584.00 104'857'584.00 104'857'584.00	0.00 0.00 0.00	avg 0.03 0.01 0.01	max 48.02 37.20 0.03	0.02	sum 3181781.72 1276452.19 1286769.72
Sysbench Memory (loaded, 24th, ms) Default-config-12cpus KernelLL-optimized-12cpus-node1 KernelGeneric-optimized-12cpus-node1	Events/s 713'456.43	Mib/s 696.73	Total events 104'857'584.00	min 0.00	avg 0.03	max 441.80	95th percentile 0.02	sum 3441366.02
Cyclictest (us) Default-config-12cpus KernelLL-optimized-12cpus-node1 KernelGeneric-optimized-12cpus-node1	Total 71994755 72000000 72000000	Min 6 7 7	57	Max 8159 78 30				
Cyclictest loaded (us) Default-config-12cpus KernelLL-optimized-12cpus-node1	Total 38995039 7203630	Min 3 5		Max 20799 1039482				

4

71960964

9

1431