

Machine specs

CPU: 32 cores
RAM: 126GB
LAN:
 IP: 10.10.1.2,
 average latency: 0.133ms
 bandwidth: 9.32 Gbits/sec

Exp1

1GB data, run for 3mins

value size	num keys	read-only		50% read 50% write		
		latency (ms)	throughput (ops/s)	read latency (ms)	write latency (ms)	throughput (ops/s)
512	2097152	0.277	3603	0.380	15.4	127
4096	262144	0.3210	3116	0.3985	15.72	125.4
524288	2048	4.117	242.9	4.482	25.21	67.10
1048576	1024	8.043	124.3	7.453	33.61	48.64
4194304	256	30.25	33.06	29.07	92.31	16.54

Exp 2

1M keys
4KB values

cold start latency: 40.47sec

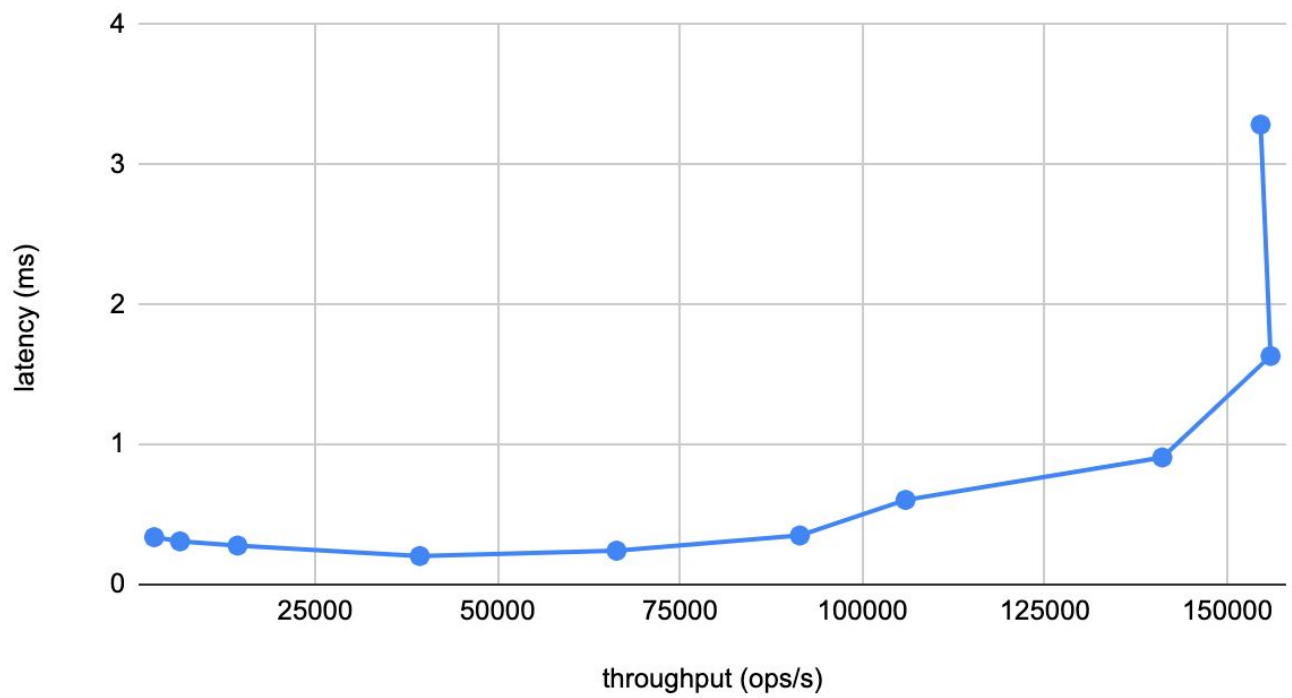
Exp3

1M keys

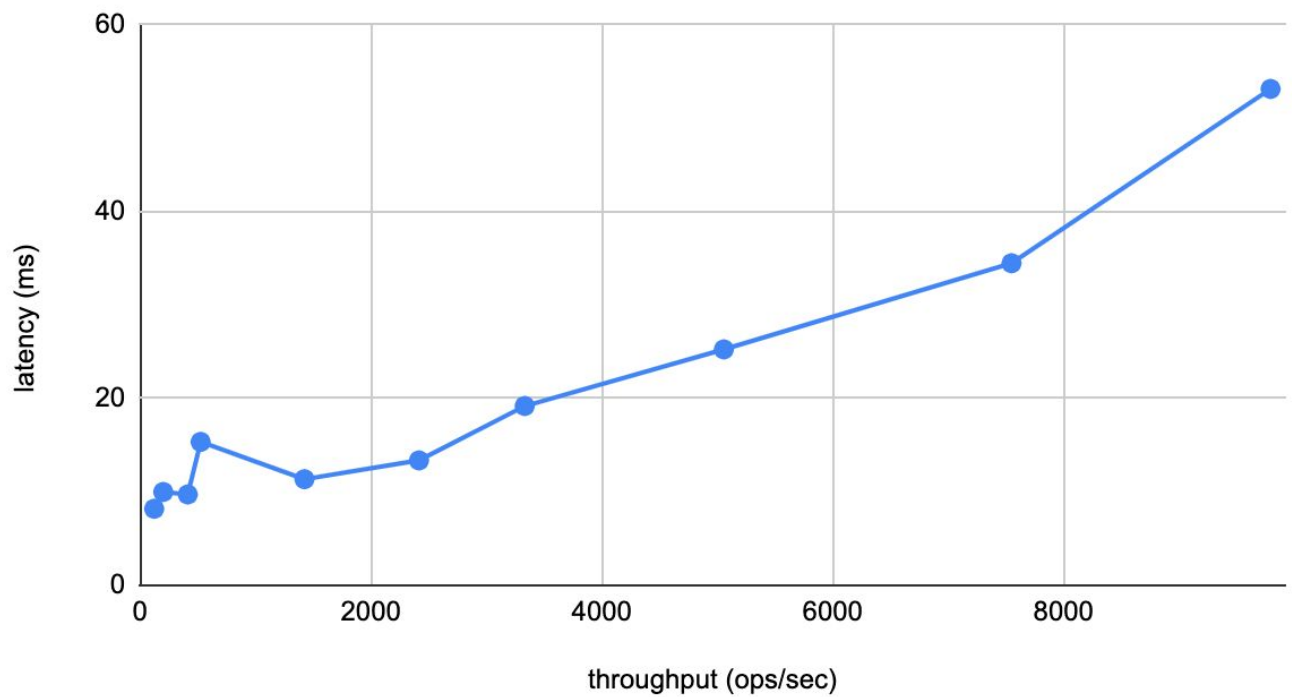
4KB values

clients	read-only		50% read 50% write		
	latency (ms)	throughput (ops/s)	read latency (ms)	write latency (ms)	throughput (ops/s)
1	0.3381	2957	0.4107	15.98	123.2
2	0.3081	6491	0.4163	19.57	201.6
4	0.2781	14385	0.4128	19.04	414.3
8	0.2033	39350	0.4273	30.28	525.5
16	0.2413	66314	0.5013	22.22	1425
32	0.3500	91428	0.5824	26.16	2417
64	0.6043	105923	0.9118	37.48	3333
128	0.9080	141099	1.604	48.91	5058
256	1.633	155933	2.024	66.94	7550
512	3.286	154565	2.782	103.5	9794

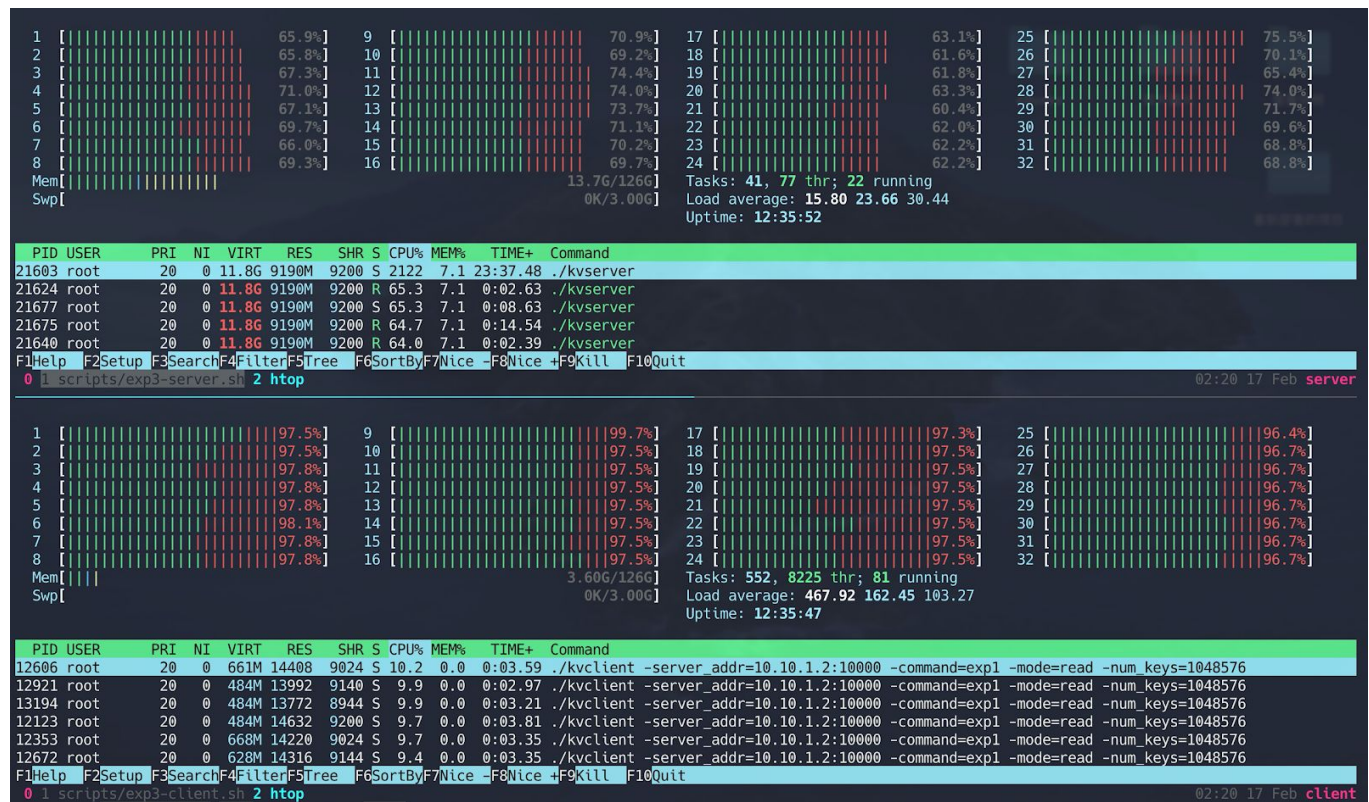
read-only latency vs. throughput



50% read 50% write latency vs. throughput



CPU usage for server and 512 clients:



iperf3 test link bandwidth

