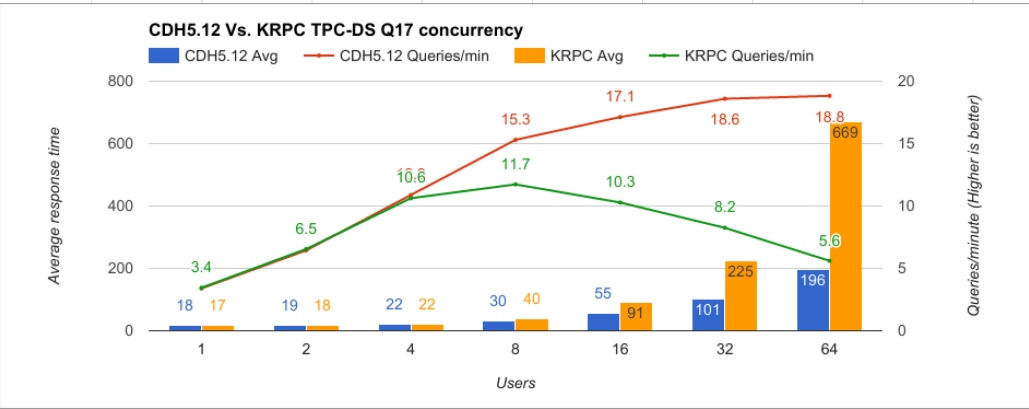


Metric	CDH5.12	KRPC	CPU Increase
Coordinator CPU seconds	141,421	305,343	2.16x
Workers CPU seconds	1,429,551	1,645,144	1.15x

Users	CDH5.12 Avg	CDH5.12 Querie	KRPC Avg	KRPC Queries/min
1	18	3.4	17	3.4
2	19	6.4	18	6.5
4	22	10.9	22	10.6
8	30	15.3	40	11.7
16	55	17.1	91	10.3
32	101	18.6	225	8.2
64	196	18.8	669	5.6



CDH 5.12											
Test	Samples	Average	Median	90%	95	99	Min	Max	Throughput		
1 users:Q17-1-users	4	17,676	17,357	18,303	18,303	18,303	16,956	18,303	3.4	0.05654989114	1.006963589
2 users:Q17-2-users	8	18,518	18,461	18,900	19,412	19,412	17,782	19,412	6.4	0.1073825503	1.912122483
4 users:Q17-4-users	16	21,819	21,702	22,696	22,727	23,225	20,285	23,225	10.9	0.1813174983	3.228655531
8 users:Q17-8-users	32	29,987	29,693	33,362	33,525	34,849	25,735	34,849	15.3	0.2550674733	4.541894832
16 users:Q17-16-users	64	54,667	54,707	63,568	63,765	64,274	42,903	68,542	17.1	0.2854759643	5.083367903
32 users:Q17-32-users	128	100,618	100,749	119,637	127,009	130,605	69,150	133,497	18.6	0.309931113	5.518831947
64 users:Q17-64-users	256	195,918	199,441	241,392	267,365	294,632	102,831	300,768	18.8	0.3138712711	5.588992927

CDH 5.12											
Test	Samples	Average	Median	90%	95	99	Min	Max	Throughput		
1 users:Q17-1-users	4	17,411	16,261	20,075	20,075	20,075	15,811	20,075	3.444860698		
2 users:Q17-2-users	8	17,948	17,711	18,918	19,237	19,237	16,564	19,237	6.547984449		
4 users:Q17-4-users	16	22,072	21,557	23,486	25,044	25,167	19,675	25,167	10.62217157		
8 users:Q17-8-users	32	40,293	40,048	42,271	42,559	52,535	33,889	52,535	11.73271411		
16 users:Q17-16-users	64	91,052	91,805	112,581	113,178	114,380	49,473	114,686	10.27991348		
32 users:Q17-32-users	128	225,443	237,165	276,914	283,533	287,583	108,800	288,776	8.249433657		
64 users:Q17-64-users	256	669,360	717,445	840,735	889,071	923,765	230,791	926,488	5.603225941		