

50 GB TPC-DS Performance comparison (Hive Parquet): Mac Mini M4 Memory 16 GB, single node

Query Number	Time Taken (Secs) Stock Spark	Resultsize Stock Spark	Time Taken (Secs) TabbyDB	Resultsize TabbyDB	Time Diff seconds	Row Count Match	Note
q1-v2.4	3.7	100	2.9	100	-0.8	TRUE	
q2-v2.4	2.7	2513	2.4	2513	-0.3	TRUE	
q3-v2.4	1.8	100	1.5	100	-0.3	TRUE	
q4-v2.4	43.3	100	18.9	100	-24.4	TRUE	
q5-v2.4	7.9	100	4.4	100	-3.5	TRUE	
q6-v2.4	5.9	52	2	52	-3.9	TRUE	
q7-v2.4	2.8	100	2.1	100	-0.7	TRUE	
q8-v2.4	1.8	10	1.2	10	-0.6	TRUE	
q9-v2.4	4.3	1	4.2	1	-0.1	TRUE	
q10-v2.4	3.5	100	2.8	100	-0.7	TRUE	
q11-v2.4	16.4	100	14.7	100	-1.7	TRUE	
q12-v2.4	1.3	100	0.9	100	-0.4	TRUE	
q13-v2.4	3.1	1	1.3	1	-1.8	TRUE	
q14a-v2.4	32.3	100	14.6	100	-17.7	TRUE	
q14b-v2.4	21.5	100	13.1	100	-8.4	TRUE	
q15-v2.4	3.5	100	0.9	100	-2.6	TRUE	
q16-v2.4	13.9	1	6.2	1	-7.7	TRUE	
q17-v2.4	23.1	26	4	26	-19.1	TRUE	
q18-v2.4	4.3	100	2.4	100	-1.9	TRUE	
q19-v2.4	2.7	100	1.5	100	-1.2	TRUE	
q20-v2.4	1.1	100	0.6	100	-0.5	TRUE	
q21-v2.4	1.7	100	0.6	100	-1.1	TRUE	
q22-v2.4	9.2	100	9	100	-0.2	TRUE	
q23a-v2.4	40.4	1	24.6	1	-15.8	TRUE	
q23b-v2.4	72.7	25	25.7	25	-47	TRUE	
q24a-v2.4	23.9	165	11.9	165	-12	TRUE	
q24b-v2.4	21.4	16	10.2	16	-11.2	TRUE	
q25-v2.4	26	7	2.7	7	-23.3	TRUE	
q26-v2.4	1.7	100	1.1	100	-0.6	TRUE	

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q27-v2.4	2.8	100	1.7	100	-1.1	TRUE	
q28-v2.4	10	1	19.2	1	9.2	TRUE	
q29-v2.4	26.8	38	4.8	38	-22	TRUE	
q30-v2.4	2.6	100	1.4	100	-1.2	TRUE	
q31-v2.4	6.7	288	4.6	288	-2.1	TRUE	
q32-v2.4	1.5	1	0.5	1	-1	TRUE	
q33-v2.4	3.3	100	2.1	100	-1.2	TRUE	
q34-v2.4	2.1	1709	1.9	1709	-0.2	TRUE	
q35-v2.4	4.2	100	3.7	100	-0.5	TRUE	
q36-v2.4	2.7	100	1.7	100	-1	TRUE	
q37-v2.4	3.8	5	2.6	5	-1.2	TRUE	
q38-v2.4	7.7	1	6.9	1	-0.8	TRUE	
q39a-v2.4	3.3	4199	1.5	4199	-1.8	TRUE	
q39b-v2.4	3	169	1.4	169	-1.6	TRUE	
q40-v2.4	9.6	100	1.1	100	-8.5	TRUE	
q41-v2.4	0.2	100	0.2	100	0	TRUE	
q42-v2.4	1.2	11	0.5	11	-0.7	TRUE	
q43-v2.4	1.6	77	1.1	77	-0.5	TRUE	
q44-v2.4	2.5	10	10.6	10	8.1	TRUE	
q45-v2.4	1.4	100	0.8	100	-0.6	TRUE	
q46-v2.4	3	100	2.7	100	-0.3	TRUE	
q47-v2.4	7	100	6.2	100	-0.8	TRUE	
q48-v2.4	2.4	1	1	1	-1.4	TRUE	
q49-v2.4	13.2	79	2.8	79	-10.4	TRUE	
q50-v2.4	12.1	100	9.9	100	-2.2	TRUE	
q51-v2.4	12.9	100	12.7	100	-0.2	TRUE	
q52-v2.4	1.6	100	1	100	-0.6	TRUE	
q53-v2.4	2.1	100	1.6	100	-0.5	TRUE	
q54-v2.4	7.5	29	2.3	29	-5.2	TRUE	
q55-v2.4	1.5	100	0.9	100	-0.6	TRUE	
q56-v2.4	2.7	100	1.4	100	-1.3	TRUE	

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q57-v2.4	3.2	100	3	100	-0.2	TRUE	
q58-v2.4	3.2	100	1.7	100	-1.5	TRUE	
q59-v2.4	3.7	100	3.2	100	-0.5	TRUE	
q60-v2.4	2.6	100	2	100	-0.6	TRUE	
q61-v2.4	3	1	0.9	1	-2.1	TRUE	
q62-v2.4	1.2	100	1.1	100	-0.1	TRUE	
q63-v2.4	2	100	1.5	100	-0.5	TRUE	
q64-v2.4	53.1	232	11.6	232	-41.5	TRUE	
q65-v2.4	13.2	100	12.1	100	-1.1	TRUE	
q66-v2.4	2.1	12	1	12	-1.1	TRUE	
q67-v2.4	30.7	100	30.7	100	0	TRUE	
q68-v2.4	3.3	100	2.8	100	-0.5	TRUE	
q69-v2.4	3.1	100	2.5	100	-0.6	TRUE	
q70-v2.4	3.1	11	2.2	11	-0.9	TRUE	
q71-v2.4	3.2	36075	1.6	36075	-1.6	TRUE	
q72-v2.4	98.7	100	17.7	100	-81	TRUE	
q73-v2.4	2.2	14	1.5	14	-0.7	TRUE	
q74-v2.4	13.6	100	13	100	-0.6	TRUE	
q75-v2.4	15.2	100	13.7	100	-1.5	TRUE	
q76-v2.4	2.7	100	3.5	100	0.8	TRUE	
q77-v2.4	3.6	100	2.1	100	-1.5	TRUE	
q78-v2.4	56.4	100	18.7	100	-37.7	TRUE	
q79-v2.4	3.8	100	3	100	-0.8	TRUE	
q80-v2.4	45.3	100	4.1	100	-41.2	TRUE	
q81-v2.4	2.9	100	2.2	100	-0.7	TRUE	
q82-v2.4	5.8	12	5	12	-0.8	TRUE	
q83-v2.4	1.3	100	0.8	100	-0.5	TRUE	
q84-v2.4	NULL	0	NULL	0	0	TRUE	q84 fails for both
q85-v2.4	3	40	1.9	40	-1.1	TRUE	
q86-v2.4	1.2	100	1	100	-0.2	TRUE	
q87-v2.4	7.2	1	6.8	1	-0.4	TRUE	

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q88-v2.4	5.5	1	4.8	1	-0.7	TRUE	
q89-v2.4	2.2	100	1.7	100	-0.5	TRUE	
q90-v2.4	0.7	1	0.7	1	0	TRUE	
q91-v2.4	0.8	26	0.6	26	-0.2	TRUE	
q92-v2.4	1.2	1	0.7	1	-0.5	TRUE	
q93-v2.4	15.9	100	13.1	100	-2.8	TRUE	
q94-v2.4	6.6	1	3.4	1	-3.2	TRUE	
q95-v2.4	32.6	1	25.2	1	-7.4	TRUE	
q96-v2.4	1	1	0.7	1	-0.3	TRUE	
q97-v2.4	10.3	1	10.2	1	-0.1	TRUE	
q98-v2.4	2.5	21901	1.7	21901	-0.8	TRUE	
q99-v2.4	1.5	100	1.4	100	-0.1	TRUE	
ss_max-v2.4	3.6	1	2.9	1	-0.7	TRUE	
Total Time taken	1038.9		539.2		-499.7		
Percentage Improvement	48.1%						