

Shared Buffer 1GB  
 Work Mem 20 MB  
 TPC S.F. 10

**TPCH Query Execution time in ms on 4 socket machine**

TPCH Query	2 Worker		4 Worker	
	Head	Patch	Head	Patch
Q4	11927.701	8810.627	7503.424	5833.529
Q6	40774.065	22521.41	40781.284	18525.593
Q14	21522.672	12786.652	21548.94	11073.226
Q15	70770.58	52083.643	50509.144	49859.979

Shared Buffer Default  
 Work Mem 10 MB  
 TPC S.F. 5

**TPCH Query Execution time in ms on local machine**

TPCH Query	2 Worker		3 Worker		4 Worker	
	Head	Patch	Head	Patch	Head	Patch
Q4	1894.47	1573.722	1521.606	1371.409	1466.12	1314.253
Q6	7880.685	4272.775	7881.685	3819.096	4048.179	PseqScan
Q14	4850.304	2767.908	4851.304	2590.032	4852.304	2518.782
Q15	15815.484	11801.7	15816.484	11582.019	11853.13	11529.723

Some Other Queries Which is taking bitmap scan but not converted to ParallelBitmap:

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 Q5: In this query BitmapScan is used in Inner node of hash join, once we have parallelism inside inner node we can expect this to use parallel bitmap.

Q7: With no parallelism cost of bitmap scan is slightly better than seq scan but seq scan has more CPU cost, so when we apply parallelism seq scan get more benefit because high CPU cost get divided.