

Database Test 3 Report

These results are not comparable to TPC Benchmark(TM) H Results.

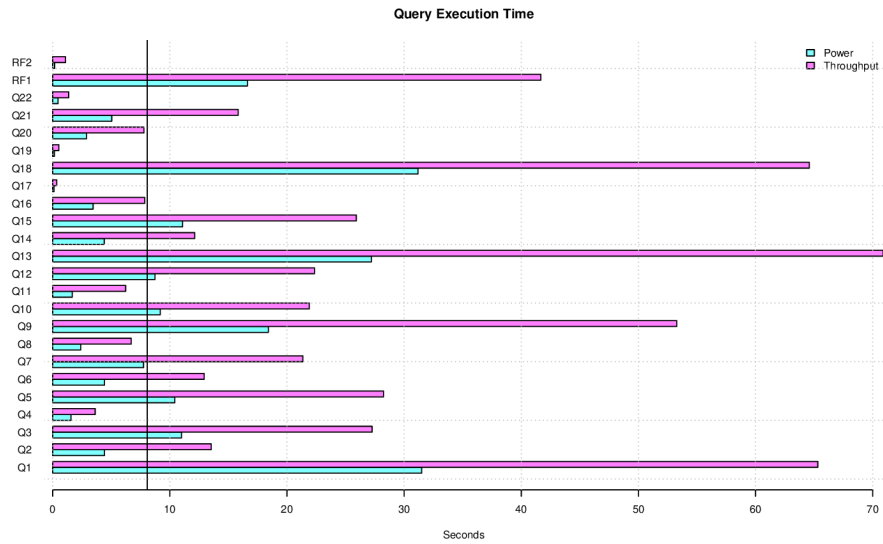
Summary

- Date: Wed Jun 1 23:34:24 UTC 2022
- Database Size: 10 GB
- Database Manager: PostgreSQL 14.3
- Operating System: 5.15.41-gentoo-x86_64-zbkstdxg5
- Notes:

Metrics

Composite	6583.532				
Score					
Load	.13	CPU	Memory	Blockdev	Network Swap
Test					
Time					
(hours)					
Power	9130.818	CPU	Memory	Blockdev	Network Swap
Test					
Score					
Throughput	4746.88	CPU	Memory	Blockdev	Network Swap
Test					
Score					

Query Times



Power Test

- Seed: 601232222

Duration (seconds)	Query Start Time	RF1 Start Time	RF2 Start Time
	Query End Time	RF1 End Time	RF2 End Time
216.21	2022-06-01	2022-06-01	2022-06-01
	23:22:43.55	23:22:26.91	23:26:02.94
	2022-06-01	2022-06-01	2022-06-01
	23:26:02.72	23:22:43.54	23:26:03.10

Query Response Time (seconds)

1	31.50	Plan	Result
2	4.42	Plan	Result
3	10.99	Plan	Result
4	1.57	Plan	Result
5	10.42	Plan	Result
6	4.43	Plan	Result
7	7.76	Plan	Result
8	2.39	Plan	Result
9	18.41	Plan	Result
10	9.18	Plan	Result

Query Response Time (seconds)			
11	1.67	Plan	Result
12	8.73	Plan	Result
13	27.21	Plan	Result
14	4.40	Plan	Result
15	11.09	Plan	Result
16	3.45	Plan	Result
17	0.11	Plan	Result
18	31.19	Plan	Result
19	0.14	Plan	Result
20	2.89	Plan	Result
21	5.04	Plan	Result
22	0.46	Plan	Result
RF1	16.63	Result	
RF2	0.16	Result	

Throughput Test

Stream execution summary:

Stream Seed	Duration	Query Start Time (seconds) Query End Time	RF1 Start Time RF1 End Time	RF2 Start Time RF2 End Time
1	499.24	2022-06-01 23:26:21.62	2022-06-01 23:26:04.48	2022-06-01 23:26:45.84
601232223		2022-06-01 23:26:50.20	2022-06-01 23:26:45.75	2022-06-01 23:26:46.80
2	490.30	2022-06-01 23:26:04.75	2022-06-01 23:26:46.86	2022-06-01 23:27:30.45
601232224		2022-06-01 23:26:16.41	2022-06-01 23:27:30.37	2022-06-01 23:27:31.55
3	491.61	2022-06-01 23:26:04.75	2022-06-01 23:27:31.71	2022-06-01 23:28:12.06
601232225		2022-06-01 23:26:11.05	2022-06-01 23:28:11.97	2022-06-01 23:28:13.29

Query execution duration (seconds) (Click **P** for plans and **R** for results):

Stream	Q1	Q2	Q3	Q4	Q5	Q6	Q7
1	62.60 P R	11.57 P R	28.58 P R	1.34 P R	30.22 P R	13.08 P R	25.72 P R
2	59.63 P R	16.76 P R	29.10 P R	4.19 P R	27.22 P R	11.66 P R	18.31 P R

Stream	Q1	Q2	Q3	Q4	Q5	Q6	Q7
3	73.72 P R	12.25 P R	24.12 P R	5.36 P R	27.28 P R	14.05 P R	20.05 P R
Min	59.63	11.57	24.12	1.34	27.22	11.66	18.31
Max	73.72	16.76	29.10	5.36	30.22	14.05	25.72
Avg	65.32	13.53	27.27	3.63	28.24	12.93	21.36

Stream	Q8	Q9	Q10	Q11	Q12	Q13	Q14
1	6.35 P R	48.58 P R	21.26 P R	7.96 P R	22.24 P R	65.33 P R	12.20 P R
2	7.47 P R	69.91 P R	25.65 P R	6.36 P R	19.38 P R	68.19 P R	11.94 P R
3	6.30 P R	41.32 P R	18.81 P R	4.37 P R	25.43 P R	79.16 P R	12.23 P R
Min	6.30	41.32	18.81	4.37	19.38	65.33	11.94
Max	7.47	69.91	25.65	7.96	25.43	79.16	12.23
Avg	6.70	53.27	21.91	6.23	22.35	70.89	12.12

Stream	Q15	Q16	Q17	Q18	Q19	Q20	Q21
1	27.69 P R	6.71 P R	0.26 P R	77.03 P R	0.59 P R	7.32 P R	16.76 P R
2	22.54 P R	10.51 P R	0.35 P R	53.94 P R	0.64 P R	7.61 P R	15.94 P R
3	27.53 P R	6.35 P R	0.42 P R	62.81 P R	0.36 P R	8.44 P R	14.80 P R
Min	22.54	6.35	0.26	53.94	0.36	7.32	14.80
Max	27.69	10.51	0.42	77.03	0.64	8.44	16.76
Avg	25.92	7.86	0.34	64.59	0.53	7.79	15.83

Stream	Q22	RF1	RF2
1	1.07 P R	41.27 R	0.96 R
2	1.28 P R	43.50 R	1.09 R
3	1.74 P R	40.26 R	1.23 R
Min	1.07	40.26	0.96
Max	1.74	43.50	1.23
Avg	1.36	41.68	1.09

PostgreSQL Report

Load Test

- Database Settings
- Per Process Statistics: autovacuum bgwriter checkpointer logger logical statscollector walwriter

Database Stats Charts

Database Table Stats Charts: customer lineitem nation orders part
partsupp region supplier
time_statistics

Database Index Stats Charts:

Database Tables by Metric: heap_blks_hit heap_blks_read
idx_blks_hit idx_blks_read
idx_scan idx_tup_fetch n_dead_tup
n_live_tup n_tup_del
n_tup_hot_upd n_tup_ins
n_tup_upd seq_scan seq_tup_read
tidx_blks_read toast_blks_hit
toast_blks_read

Database Indexes by Metric:

Power Test

- Database Settings
- Per Process Statistics: autovacuum bgwriter checkpointer logger logical statscollector walwriter

Database Stats Charts

Database Table Stats Charts: customer lineitem nation orders part
partsupp region supplier
time_statistics

Database Index Stats Charts:	customer_c_mktsegment_c_custkey_idx cus- tomer_c_nationkey_c_custkey_idx cus- tomer_c_phone_c_acctbal_c_custkey_idx customer_c_phone_idx_c_acctbal lineitem_l_orderkey_idx_l_returnflag lineitem_l_orderkey_idx_part2 lineitem_l_orderkey_l_suppkey_idx lineitem_l_orderkey_l_suppkey_l_quantity_idx lineitem_l_partkey_l_quantity_l_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipdate_l_quantity_idx lineitem_l_receiptdate_idx lineitem_l_shipdate_idx orders_o_custkey_idx orders_o_orderdate_idx or- ders_o_orderkey_o_orderdate_idx part_ios_test1 part_p_container_p_brand_p_partkey_idx part_p_size_idx part_p_type_p_partkey_idx partsupp_ps_suppkey_idx pk_customer pk_lineitem pk_nation pk_orders pk_part pk_partsupp pk_region pk_supplier sup- plier_s_nationkey_s_suppkey_idx supplier_s_suppkey_idx_like heap_blks_hit heap_blks_read idx_blks_hit idx_blks_read idx_scan idx_tup_fetch n_dead_tup n_live_tup n_tup_del n_tup_hot_upd n_tup_ins n_tup_upd seq_scan seq_tup_read tidx_blks_read toast_blks_hit toast_blks_read
Database Tables by Metric:	idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch idx_tup_read
Database Indexes by Metric:	

Throughput Test

- Database Settings
- Per Process Statistics: autovacuum bgwriter checkpointer logger logical statscollector walwriter

Database Stats Charts	
Database Table Stats Charts:	customer lineitem nation orders part partsupp region supplier time_statistics
Database Index Stats Charts:	customer_c_mktsegment_c_custkey_idx cus- tomer_c_nationkey_c_custkey_idx cus- tomer_c_phone_c_acctbal_c_custkey_idx customer_c_phone_idx_c_acctbal lineitem_l_orderkey_idx_l_returnflag lineitem_l_orderkey_idx_part2 lineitem_l_orderkey_l_suppkey_idx lineitem_l_orderkey_l_suppkey_l_quantity_idx lineitem_l_partkey_l_quantity_l_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipdate_l_quantity_idx lineitem_l_receiptdate_idx lineitem_l_shipdate_idx orders_o_custkey_idx orders_o_orderdate_idx or- ders_o_orderkey_o_orderdate_idx part_ios_test1 part_p_container_p_brand_p_partkey_idx part_p_size_idx part_p_type_p_partkey_idx partsupp_ps_suppkey_idx pk_customer pk_lineitem pk_nation pk_orders pk_part pk_partsupp pk_region pk_supplier sup- plier_s_nationkey_s_suppkey_idx supplier_s_suppkey_idx_like
Database Tables by Metric:	heap_blks_hit heap_blks_read idx_blks_hit idx_blks_read idx_scan idx_tup_fetch n_dead_tup n_live_tup n_tup_del n_tup_hot_upd n_tup_ins n_tup_upd seq_scan seq_tup_read tidx_blks_read toast_blks_hit toast_blks_read
Database Indexes by Metric:	idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch idx_tup_read
