Database Test 3 Report

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

Summary

• Database Size: 10 GB

- Database Manager: Postgre
SQL 14.3

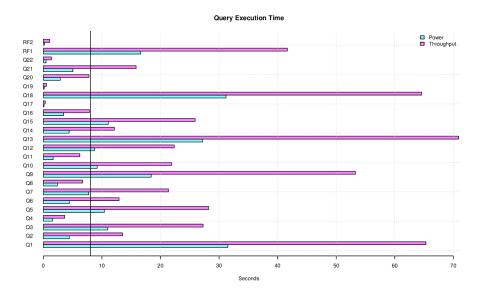
• Operating System: 5.15.41-gentoo-x86_64-zbkstdxg5

• Notes:

Metrics

Composite 6583.532
Score
Load .13 CPU Memory Blockdev Network Swap
Test
Time
(hours)
Power 9130.818CPU Memory Blockdev Network Swap
Test
Score
Throughput4746.88 CPU Memory Blockdev Network Swap
Test
Score

Query Times



Power Test

• Seed: 601232222

Duration (sec	conds 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

Quer	y 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

Quer	y 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

 ${\bf Stream\ execution\ summary:}$

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
60123222	3	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	2022-06-01	2022-06-01
60123222	4	23:26:04.75 2022-06-01	23:26:46.86 2022-06-01	23:27:30.45 2022-06-01
3	101 01	23:26:16.41 2022-06-01	23:27:30.37 2022-06-01	23:27:31.55 2022-06-01
60123222	491.61 5	23:26:04.75 2022-06-01	23:27:31.71 2022-06-01	23:28:12.06 2022-06-01
00120222	•	23:26:11.05	23:28:11.97	23:28:13.29

Query execution duration (seconds) (Click ${\bf P}$ for plans and ${\bf R}$ for results):

StreQin	Q2	Q3	Q4	Q5	Q6	Q7
1 62.6) P 11.57 P	28.58 P	1.34 P	30.22 P	13.08 P	25.72 P
\mathbf{R}	R	\mathbf{R}	R	\mathbf{R}	\mathbf{R}	R
2 59.63	3 P 16.76 P	29.10 P	4.19 P	27.22 P	11.66 P	18.31 P
\mathbf{R}	\mathbf{R}	\mathbf{R}	R	R	R	\mathbf{R}

Str@in	Q2	Q3	Q4	Q5	Q6	Q7
3 73.72 P	12.25 P	24.12 P	5.36 P	27.28 P	14.05 P	20.05 P
\mathbf{R}	\mathbf{R}	\mathbf{R}	R	${ m R}$	\mathbf{R}	\mathbf{R}
Min59.63	11.57	24.12	1.34	27.22	11.66	18.31
Max3.72	16.76	29.10	5.36	30.22	14.05	25.72
Avg65.32	13.53	27.27	3.63	28.24	12.93	21.36

Str@m	Q9	Q10	Q11	Q12	Q13	Q14
1 6.35 P	48.58 P	21.26 P	7.96 P	22.24 P	65.33 P	12.20 P
\mathbf{R}	R	\mathbf{R}	\mathbf{R}	\mathbf{R}	\mathbf{R}	\mathbf{R}
2 7.47 P	69.91 P	25.65 P	6.36 P	19.38 P	68.19 P	11.94 P
\mathbf{R}	R	\mathbf{R}	\mathbf{R}	\mathbf{R}	\mathbf{R}	\mathbf{R}
3 6.30 P	41.32 P	18.81 P	4.37 P	25.43 P	79.16 P	12.23 P
\mathbf{R}	R	\mathbf{R}	\mathbf{R}	\mathbf{R}	\mathbf{R}	\mathbf{R}
Mir6.30	41.32	18.81	4.37	19.38	65.33	11.94
Ma ₹.47	69.91	25.65	7.96	25.43	79.16	12.23
Avg6.70	53.27	21.91	6.23	22.35	70.89	12.12

Str@115	Q16	Q17	Q18	Q19	Q20	Q21
1 27.69 P	6.71 P	0.26 P	77.03 P	0.59 P	7.32 P	16.76 P
\mathbf{R}	\mathbf{R}	\mathbf{R}	\mathbf{R}	\mathbf{R}	\mathbf{R}	\mathbf{R}
2 22.54 P	$10.51 \; P$	0.35 P	53.94 P	$0.64~\mathrm{P}$	7.61 P	15.94 P
\mathbf{R}	\mathbf{R}	R	\mathbf{R}	\mathbf{R}	${ m R}$	\mathbf{R}
3 27.53 P	6.35 P	0.42 P	62.81 P	$0.36 \; P$	8.44 P	14.80 P
\mathbf{R}	\mathbf{R}	R	\mathbf{R}	\mathbf{R}	${ m R}$	\mathbf{R}
Mir22.54	6.35	0.26	53.94	0.36	7.32	14.80
Ma27.69	10.51	0.42	77.03	0.64	8.44	16.76
Avg25.92	7.86	0.34	64.59	0.53	7.79	15.83

StreQ22	RF1	RF2
1 1.07 P R	41.27 R	0.96 R
2 1.28 P R	43.50 R	$1.09~\mathrm{R}$
3 1.74 P R	$40.26~\mathrm{R}$	$1.23~\mathrm{R}$
Min 1.07	40.26	0.96
Max1.74	43.50	1.23
Avg 1.36	41.68	1.09

PostgreSQL Report

Load Test

- Database Settings
- Per Process Statistics: autovacum 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:

 $idx_blks_hit\ idx_blks_read$

 $idx_scan\ idx_tup_fetch\ n_dead_tup$

n_live_tup n_tup_del
n_tup_hot_upd n_tup_ins

 $n_tup_upd\ seq_scan\ seq_tup_read$

 $tidx_blks_read\ to ast_blks_hit$

toast_blks_read

Database Indexs by Metric:

Power Test

• Database Settings

 Per Process Statistics: autovacum bgwriter checkpointer logger logical statscollector walwriter

Database Stats Charts

Database Table Stats Charts: customer lineitem nation orders part

partsupp region supplier

time_statistics

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 Index Stats Charts:	${\rm customer_c_mktsegment_c_custkey_idx}$
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_partkey_l_suppkey_l_quantity_idx lineitem_l_partkey_l_suppkey_l_quantity_idx lineitem_l_partkey_l_suppkey_l_quantity_idx lineitem_l_partkey_l_suppkey_l_shipdate_l_quantity_idx lineitem_l_shipdate_idx lineitem_l_shipdate_idx orders_o_custkey_idx orders_o_orderdate_idx orders_o_orderdate_idx part_ios_test1 part_p_container_p_brand_p_partkey_idx part_p_size_idx part_p_size_idx part_p_type_p_partkey_idx partsupp_ps_suppkey_idx partsupp_ps_suppkey_idx partsupp_ps_suppkey_idx partsupp_pk_region pk_supplier sup- plier_s_nationkey_s_suppkey_idx supplier_s_nationkey_s_suppkey_idx supplier_s_nationkey_s_suppkey_idx supplier_s_nationkey_s_suppkey_idx supplier_s_nationkey_s_suppler_sup- plier_s_nationkey_s_suppler_sup- plier_s_nationkey_s_suppler_sup- plier_s_nationkey_s_suppler_sead 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 idx_blks_liks_int idx_blks_read idx_blks_liks_int idx_blks_read idx_blks_liks_int idx_blks_read idx_blks_liks_int idx_blks_read idx_blks_liks_int idx_blks_read idx_blks_liks_int idx_blks_read idx_blks_liks_liks_liks_blks_lit_liks_liks_liks_liks_liks_liks_liks_liks		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_l_quantity_idx lineitem_l_partkey_l_suppkey_l_quantity_idx lineitem_l_partkey_l_suppkey_l_quantity_idx lineitem_l_partkey_l_suppkey_l_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipmode_idx lineitem_l_shipdate_idx lineitem_l_suppkey_lat lineitem_l_ordersey_l_shipdate_idx lineitem_l_ordersey_l_shipdate_idx lineitem_l_ordersey_l_shipdate_idx lineitem_l_ordersey_l_shipdate_idx lineitem_l_ordersey_l_shipdate_idx lineitem_l_ordersey_l_shipdate_lat lineitem_l_ordersey_l_dx lin		$tomer_c_nationkey_c_custkey_idx$
customer_c_phone_idx_c_acctbal lineitem_l_orderkey_idx_l_returnflag lineitem_l_orderkey_dx_part2 lineitem_l_orderkey_l_suppkey_idx lineitem_l_orderkey_l_suppkey_idx lineitem_l_partkey_l_quantity_idx lineitem_l_partkey_l_quantity_l_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipdate_l_quantity_idx lineitem_l_shipdate_idx orders_o_custkey_idx orders_o_orderdate_idx or- ders_o_orderdate_idx or- ders_o_orderdate_idx or- ders_o_orderdate_idx part_los_test1 part_p_container_p_brand_p_partkey_idx part_p_size_idx part_p_fict_n_ation 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_idx_blks_read idx_blks_hit_idx_blks_read idx_blks_hit_idx_blks_read idx_blks_read_toas_blks_hit toast_blks_read idx_blks_los_blks_hit_idx_blks_read idx_scan_idx_tup_fetch		cus-
lineitem l_orderkey_idx_l_returnflag lineitem l_orderkey_idx_part2 lineitem l_orderkey_l_suppkey_idx lineitem l_orderkey_l_suppkey_idx lineitem l_partkey_l_suppkey_l_quantity_idx lineitem l_partkey_l_suppkey_l_shipmode_idx lineitem l_partkey_l_suppkey_l_shipmode_idx lineitem l_partkey_l_suppkey_l_shipmode_idx lineitem l_receiptdate_idx orders_o_oustkey_idx orders_o_orderdate_idx orders_o_oustkey_idx orders_o_orderdate_idx orders_o_orderdate_idx part_ps_tops_test1 part_p_container_p_brand_p_partkey_idx part_p_size_idx part_p_type_p_partkey_idx partsupp_ps_suppkey_idx part_supp_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 beap_blks_hit heap_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 idx_blks_hit idx_blks_read idx_blks_read toast_blks_hit toast_blks_read idx_blks_hit idx_blks_read		$tomer_c_phone_c_acctbal_c_custkey_idx$
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_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipmode_idx lineitem_l_shipdate_idx orders_o_custkey_idx orders_o_orderdate_idx orders_o_orderdate_idx part_ps_conderdate_idx orders_o_orderdate_idx part_p_stest1 part_p_container_p_brand_p_partkey_idx part_p_size_idx part_p_size_idx part_p_ps_suppkey_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: Database Tables by Metric: Database Indexs by Metric		$customer_c_phone_idx_c_acctbal$
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_partkey_l_suppkey_l_shipdate_l_quantity_idx lineitem_l_shipdate_idx orders_o_custkey_idx orders_o_orderdate_idx or- ders_o_orderkey_o_orderdate_idx part_ios_testl part_p_container_p_brand_p_partkey_idx part_p_size_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: Database Tables by Metric: Database Indexs by Metric Index Ind		lineitem_l_orderkey_idx_l_returnflag
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 orders_o_orderdate_idx orders_o_orderdate_idx orders_o_orderdate_idx part_jos_test1 part_p_container_p_brand_p_partkey_idx part_p_size_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 idx_blks_read idx_blks_read idx_blks_read idx_blks_read idx_blks_read idx_blks_read idx_blks_hit idx_blks_read idx_blks_read idx_blks_hit idx_blks_read idx_blks_hit idx_blks_read idx_blks_hit idx_blks_read idx_blks_hit idx_blks_read idx_blks_hit idx_blks_read idx_blks_lit idx_blks_read		lineitem_l_orderkey_idx_part2
lineitem_l_partkey_l_quantity_l_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipdate_l_quantity_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_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 tidx_blks_read toast_blks_hit idx_blks_read idx_scan idx_tup_fetch loast_blks_read idx_blks_lit idx_blks_read idx_blks_read idx_blks_read idx_blks_lit idx_blks_read idx_blks_read idx_blks_lit idx_blks_read idx_blks_lit idx_blks_read idx_scan idx_tup_fetch		lineitem_l_orderkey_l_suppkey_idx
lineitem_l_partkey_l_quantity_l_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipmode_idx lineitem_l_partkey_l_suppkey_l_shipmode_idx lineitem_l_reciptdate_idx lineitem_l_shipdate_idx orders_o_custkey_idx orders_o_orderdate_idx orders_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_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 idx_scan idx_blks_lhit idx_blks_read idx_blks_read idx_blks_read idx_blks_lhit idx_blks_read idx_blks_read idx_blks_read idx_blks_lhit idx_blks_read idx_blks_read idx_blks_lhit idx_blks_read idx_blks_read idx_blks_lhit idx_blks_read idx_blks_lhit idx_blks_read idx_blks_lhit idx_blks_read		lineitem 1 orderkey 1 suppkey 1 quantity 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_orderdate_idx or- ders_o_orderdate_idx part_ios_test1 part_p_container_p_brand_p_partkey_idx part_p_size_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 tidx_blks_read toast_blks_hit toast_blks_read idx_scan idx_blks_hit idx_blks_read idx_blks_read idx_blks_lit idx_blks_read idx_blks_read idx_blks_lit idx_blks_read idx_blks_read idx_blks_hit idx_blks_read idx_blks_read idx_blks_lit idx_blks_read idx_blks_lit idx_blks_read idx_blks_lit idx_blks_read idx_blks_lit idx_blks_read		lineitem_l_partkey_l_quantity_l_shipmode_idx
lineitem_l_shipdate_idx orders_o_custkey_idx orders_o_orderdate_idx orders_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 idx_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 idx_blks_read toast_blks_hit idx_blks_hit toast_blks_read idx_blks_read idx_blks_read tidx_blks_read tidx_blks_read tidx_blks_read tidx_blks_hit idx_blks_hit toast_blks_lit idx_blks_read idx_blks_lit idx_blks_hit idx_blks_read idx_blks_lit idx_blks_lit idx_blks_read idx_scan idx_tup_fetch		
orders_o_custkey_idx orders_o_orderdate_idx orders_o_orderkey_o_orderdate_idx part_ios_test1 part_p_container_p_brand_p_partkey_idx part_p_size_idx part_p_size_idx partsupp_ps_suppkey_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_nationkey_s_suppkey_idx supplier_s_nationkey_s_suppkey_		lineitem_l_receiptdate_idx
orders_o_orderdate_idx orders_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 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_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 Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		lineitem_l_shipdate_idx
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: Databa		orders_o_custkey_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_read toast_blks_read idx_blks_read idx_blks_read idx_blks_read idx_blks_read idx_blks_lit idx_blks_read idx_blks_read idx_blks_lit idx_blks_read idx_blks_read idx_blks_lit idx_blks_read		orders_o_orderdate_idx or-
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_read toast_blks_hit toast_blks_read idx_blks_read idx_blks_read idx_blks_lit idx_blks_read idx_blks_read tidx_blks_read tidx_blks_read idx_blks_lit idx_blks_read idx_blks_lit idx_blks_read		ders_o_orderkey_o_orderdate_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 tidx_blks_read toast_blks_hit idx_blks_hit toast_blks_read idx_scan idx_tup_fetch		part_ios_test1
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_read toast_blks_hit toast_blks_read idx_blks_read idx_blks_read idx_blks_read idx_blks_hit idx_blks_read idx_blks_idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		part_p_container_p_brand_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 Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		part_p_size_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 tidx_blks_read toast_blks_hit toast_blks_read Database Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		$part_p_type_p_partkey_idx$
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 Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		partsupp_ps_suppkey_idx
pk_region pk_supplier supplier_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 Indexs by Metric: idx_blks_idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		pk_customer pk_lineitem pk_nation
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 Indexs by Metric: idx_blks_idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		pk_orders pk_part pk_partsupp
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 Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		pk_region pk_supplier sup-
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 Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		plier_s_nationkey_s_suppkey_idx
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 Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		supplier_s_suppkey_idx_like
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 Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch	Database Tables by Metric:	
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 Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		idx_blks_hit idx_blks_read
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 Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		idx_scan idx_tup_fetch n_dead_tup
n_tup_upd seq_scan seq_tup_read tidx_blks_read toast_blks_hit toast_blks_read Database Indexs by Metric: idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		
tidx_blks_read toast_blks_hit toast_blks_read Database Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		n_tup_hot_upd n_tup_ins
toast_blks_read Database Indexs by Metric: idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		n_tup_upd seq $_scan$ seq $_tup_read$
Database Indexs by Metric: idx_blks idx_blks_hit idx_blks_read idx_scan idx_tup_fetch		tidx_blks_read toast_blks_hit
$idx_scan\ idx_tup_fetch$		— — — — — — — — — — — — — — — — — — —
	Database Indexs by Metric:	
idx_tup_read		
		idx_tup_read

Throughput Test

- Database Settings
- Per Process Statistics: autovacum 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_artkey_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 Indexs by Metric:	idx blks idx blks hit idx blks read
	idx_scan idx_tup_fetch
	idx_tup_read