Work Mem : 4MB Default

select a.aid from pgbench_accounts a, pgbench_accounts b where a.bid=b.bid order by a.bid limit 10;

SET work_mem = '64MB';

select a.aid from pgbench_accounts a, pgbench_accounts b where a.bid=b.bid order by a.bid limit 10;

SET work_mem = '1GB';

select a.aid from pgbench_accounts a, pgbench_accounts b where a.bid=b.bid order by a.bid limit 10;

RESET work_mem;

Use this for demo:

explain analyze select * from pgbench_history order by aid;

set work_mem='10MB';

SET log_temp_files TO '4MB'; ----------log_temp_files helps you monitor queries that spill to disk.

-1 → no logging

0 → log all temp files

N → log only temp files ≥ N KB

SET trace_sort TO 'on'; (To include resource information).

A well-known formula suggests :

25% of the total system memory/ max_connections.

select relname,last_vacuum, last_autovacuum, last_analyze, vacuum_count, autovacuum_count,

last_autoanalyze from pg_stat_user_tables where schemaname = 'micro' order by relname ASC;

ALTER ROLE usernameA SET work_mem TO '1GB';----------to set work_mem for particular user

It's tough to get the right value for work_mem perfect, but often a sane default can be something like 64 MB,