

Vacuum PostgreSQL database manually

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There are two reason why the database tables should be Vacuumed and Analyzed.

VACUUM = Is to have free space available in tables (fsm = free space map).

ANALYZE = You need to analyze the database so that the query planner has table statistics it can use when deciding how to execute a query.

- You can setting up Auto Vacuum (by default it is on and shouldn't ever turned off)
- Or if you see that Auto Vacuum doesn't work perfectly e.g. tables n_dead_tup sizes increase, you can use Manual Vacuum Analyze script explained below.

The shell script is stored in Git repository:

```
ktpgit.vssh.net:/opt/git/Common.git
```

Under this repository there is subfoder ~/Common/script/shell where you can locate file vacuum_analyze_and_reindex_procedure.sh . The script must be executed by ktp@gradient: (please note that reindex part is commented out and not tested as it might take so long time to execute):

```
~/Common/script/shell/vacuum_analyze_and_reindex_procedure.sh
```

This script check all tables from func.mv_table_info and compare this information to pg_stat_all_tables for getting the n_live_tupe and n_dead_tup information for those tables. The VACUUM ANALYZE script will be execute for certain table if relation of n_dead_tup (dead rows) and n_live_tup (row count) is more or equal to 4%. Otherwise table is skipped from VACUUM ANALYZE