

## Useful PostgreSQL Queries and Commands

### postgres\_queries\_and\_commands.sql

```

1  -- show running queries (pre 9.2)
2  SELECT procid, age(clock_timestamp(), query_start), username, current_query
3  FROM pg_stat_activity
4  WHERE current_query != '<IDLE>' AND current_query NOT ILIKE '%pg_stat_activity%'
5  ORDER BY query_start desc;
6
7  -- show running queries (9.2)
8  SELECT pid, age(clock_timestamp(), query_start), username, query
9  FROM pg_stat_activity
10 WHERE query != '<IDLE>' AND query NOT ILIKE '%pg_stat_activity%'
11 ORDER BY query_start desc;
12
13 -- kill running query
14 SELECT pg_cancel_backend(procid);
15
16 -- kill idle query
17 SELECT pg_terminate_backend(procid);
18
19 -- vacuum command
20 VACUUM (VERBOSE, ANALYZE);
21
22 -- all database users
23 select * from pg_stat_activity where current_query not like '<%';
24
25 -- all databases and their sizes
26 select * from pg_user;
27
28 -- all tables and their size, with/without indexes
29 select datname, pg_size_pretty(pg_database_size(datname))
30 from pg_database
31 order by pg_database_size(datname) desc;
32
33 -- cache hit rates (should not be less than 0.99)
34 SELECT sum(heap_blks_read) as heap_read, sum(heap_blks_hit) as heap_hit, (sum(heap_blks_hit) - sum(heap_blks_read)) / sum(heap
35 FROM pg_statio_user_tables;
36
37 -- table index usage rates (should not be less than 0.99)
38 SELECT relname, 100 * idx_scan / (seq_scan + idx_scan) percent_of_times_index_used, n_live_tup rows_in_table
39 FROM pg_stat_user_tables
40 ORDER BY n_live_tup DESC;
41
42 -- how many indexes are in cache
43 SELECT sum(idx_blks_read) as idx_read, sum(idx_blks_hit) as idx_hit, (sum(idx_blks_hit) - sum(idx_blks_read)) / sum(idx_blks_h
44 FROM pg_statio_user_indexes;
45
46 -- Dump database on remote host to file
47 $ pg_dump -U username -h hostname databasename > dump.sql
48
49 -- Import dump into existing database
50 $ psql -d newdb -f dump.sql

```



jbouzekri commented on Sep 2, 2016