

# Counting table row counts in PostgreSQL

Isaac Bythewood · 2022-05-28 · 1 min read

databases

schemaname	relname	reltuples
public	wagtailsearch_querydailyhits	412213
public	wagtailimages_rendition	87247
public	wagtailsearch_query	56813
public	wagtailcore_pagelogentry	54442
public	accounts_opent	12862
public	postgres_search_indexentry	11822
public	accounts_ackt	11338
public	wagtailcore_pagerevision	10957
public	wagtailcore_page	6189
public	accounts_openm	5978
public	accounts_ackm	5084
public	wagtailimages_image	4885

An easy way to count the number of rows in a PostgreSQL table and sort by totals allowing you to find what's taking up space in your database.

I sometimes find myself running into the problem of hunting down what is taking up a lot of rows in PostgreSQL due to service row restrictions. There is a choice of increasing my service plan but I sometimes find it unnecessary if I have a rogue app just adding a lot of data that can be purged. This happens a lot of logs and security apps tracking login attempts. To find the number of rows used in a PostgreSQL database and order it by count you can run this in `psql`.

```
SELECT nsname AS schemaname,relname,reltuples
FROM pg_class C
LEFT JOIN pg_namespace N ON (N.oid = C.relnamespace)
WHERE nsname NOT IN ('pg_catalog', 'information_schema')
AND relkind='r'
ORDER BY reltuples DESC;
```

If this runs correctly you should see a sorted list of tables with their row counts. From there you can create a script to purge the offending apps on a schedule if you don't need older data.