

SQL snippets for PostgreSQL

te=0x085ecaf0 [0, 0]

Contents: [Dobrica PavlinuÄiÄ 's random unstructured stuff]

- [Dobrica PavlinuÄiÄ 's random unstructured stuff \(Size of transaction log\)](#)
- [Dobrica PavlinuÄiÄ 's random unstructured stuff \(Size of tables in current database\)](#)
- [Dobrica PavlinuÄiÄ 's random unstructured stuff \(Number of rows in all tables\)](#)
- [Dobrica PavlinuÄiÄ 's random unstructured stuff \(Script to display database size\)](#)
 - ◆ [Dobrica PavlinuÄiÄ 's random unstructured stuff \(all databases\)](#)
 - ◆ [Dobrica PavlinuÄiÄ 's random unstructured stuff \(all databases, grouped by user\)](#)
- [Dobrica PavlinuÄiÄ 's random unstructured stuff \(Active locks\)](#)
- [Dobrica PavlinuÄiÄ 's random unstructured stuff \(Graphics\)](#)
- [Dobrica PavlinuÄiÄ 's random unstructured stuff \(Current query activity\)](#)
- [Dobrica PavlinuÄiÄ 's random unstructured stuff \(Quickly convert database table to SQLite\)](#)

Size of transaction log

```
select sum((pg_stat_file('pg_xlog/' || file)).size)
from pg_ls_dir('pg_xlog') as file
where file ~ '^[0-9A-F]';
```

Size of tables in current database

```
select relname,pg_relation_size(oid) as size
from pg_class
where relkind = 'r' and relname not like 'pg_%' order by size desc;
```

Number of rows in all tables

<http://stackoverflow.com/questions/2596670/how-do-you-find-the-row-count-for-all-your-tables-in-postgres>

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

Script to display database size

Script: [pg_size](#)

all databases

```
$ pg_size
```

all databases, grouped by user

```
$ pg_size -u
```

Active locks

```
select * from pg_locks where pid not in (select procpid from pg_stat_activity);
```

Graphics

Taken from [http://lca2007.linux.org.au/att_data/Miniconfs\(2f\)PostgreSQL/attachments/advanced.pdf](http://lca2007.linux.org.au/att_data/Miniconfs(2f)PostgreSQL/attachments/advanced.pdf)

```
# CREATE AGGREGATE array_accum (anyelement)
(
    sfunc = array_append,
    stype = anyarray,
    initcond = '{}'
);

# select d, count(*),
    array_to_string(array_accum('+ '::text), '') as graph
    from hits group by 1 order by 1 asc;
    d          | count | graph
-----+-----+-----
2007-01-13 |      8 | ++++++++
2007-01-14 |      7 | ++++++++
2007-01-15 |      4 | +++++
(3 rows)
```

Current query activity

```
select datid,datname,procpid,current_query,query_start from pg_stat_activity where current_query
```

To actually **see** queries you also have to edit `postgresql.conf` to include:

```
stats_command_string = yes
```

Quickly convert database table to SQLite

```
pg_dump --inserts --no-owner --no-privileges --table hr_edu_orgs a3c | grep -v ^SET | sqlite3 var
```