

# PostgreSQL Queries About Connections

## Number of Active Connections

– Source [https://github.com/NikolayS/postgres\\_dba](https://github.com/NikolayS/postgres_dba)

```
SELECT COUNT(*) FROM pg_stat_activity WHERE state='active';
```

## Percentage of Max Connections In Use

– Source [https://github.com/NikolayS/postgres\\_dba](https://github.com/NikolayS/postgres_dba)

```
SELECT (SELECT SUM(numbackends) FROM pg_stat_database) / (SELECT setting::float  
FROM pg_settings WHERE name = 'max_connections');
```

## Current Instance activity: count of current connections grouped by database, user name, state

– Source [https://github.com/NikolayS/postgres\\_dba](https://github.com/NikolayS/postgres_dba)

select

```
coalesce(username, '** ALL users **') as "User",  
coalesce(datname, '** ALL databases **') as "DB",  
coalesce(state, '** ALL states **') as "Current State",  
count(*) as "Count",  
count(*) filter (where state_change < now() - interval '1 minute') as "State changed >1m ago",  
count(*) filter (where state_change < now() - interval '1 hour') as "State changed >1h ago"
```

from pg\_stat\_activity

group by grouping sets ((datname, username, state), (username, state), ())

order by

```
username is null desc,
```

```
datname is null desc,
```

```
2 asc,
```

```
3 asc,
```

```
count(*) desc;
```