

Processes on the PostgreSQL server

Document author: anna.hammais@tyks.fi

Existing connections

List all database connections

```
select * from pg_stat_activity;
```

Table locks

A pending transaction may hold a lock on a table, preventing other transactions from accessing it. Checking the locks on a specific table:

```
select l.* from pg_locks l join pg_class t on l.relation = t.oid
where t.relkind = 'r' and t.relname = <your_table_name>;
```

This shows which processes are holding locks.

If you wish to know more about the process that is holding the lock, take the PID and see what the process is:

```
ps -f <your_PID>
```

You can kill it by:

```
sudo kill <your_PID>
```

Sometimes killing the process that is the original cause of the problem can remove all subsequent locks on the table as well.

RAM and CPU usage of Postgres processes

```
ssh ktp@ktppg
ps -u postgres uf
```

Last column of output shows whether the process is idle or not.

Disk space report

```
df -h
```

Disk IO stats

```
sudo iotop -aoP
```

-a Will show accumulated output -o Will only output processes/threads doing IO -P Will only show processes instead of threads