Database Monitoring

pg_activity

`pg_activity` is a powerful tool for real-time PostgreSQL monitoring. Install it

Method 1:- Direct installation usin dnf or apt utility

Redhat:-

dnf install pg_activity

Ubantu:-

$ sudo apt install pg-activity

Method 2:- Source

Step 1:- Download file

wget https://github.com/dalibo/pg_activity/archive/refs/tags/v3.6.0.tar.gz

Step 2:- untar file

tar -xvf v3.6.0.tar.gz

```
root@cdbtestdcserver2:/tmp# wget https://github.com/dalibo/pg_activity/archive/refs/tags/v3.6.0.tar.gz
--2025-04-03 22:00:38--  https://github.com/dalibo/pg_activity/archive/refs/tags/v3.6.0.tar.gz
Resolving github.com (github.com)... 20.207.73.82
Connecting to github.com (github.com)|20.207.73.82|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://codeload.github.com/dalibo/pg_activity/tar.gz/refs/tags/v3.6.0 [following]
--2025-04-03 22:00:38--  https://codeload.github.com/dalibo/pg_activity/tar.gz/refs/tags/v3.6.0
Resolving codeload.github.com (codeload.github.com)... 20.207.73.88
Connecting to codeload.github.com (codeload.github.com)|20.207.73.88|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [application/x-gzip]
Saving to: 'v3.6.0.tar.gz'

v3.6.0.tar.gz                          [ <=>

2025-04-03 22:00:39 (2.30 MB/s) - 'v3.6.0.tar.gz' saved [440434]

root@cdbtestdcserver2:/tmp# ls -lrth
total 452K
drwx------ 3 root     root     4.0K Sep 22  2024 systemd-private-fc58460288ef491dbc30ce864a6847c1-systemd-resolved.service-DdnXIg
drwx------ 3 root     root     4.0K Sep 22  2024 systemd-private-fc58460288ef491dbc30ce864a6847c1-chrony.service-f2qmGN
drwx------ 3 root     root     4.0K Sep 22  2024 systemd-private-fc58460288ef491dbc30ce864a6847c1-systemd-logind.service-ifaSoR
drwx------ 3 root     root     4.0K Sep 22  2024 snap-private-tmp
-rw------- 1 postgres postgres   40 Jan 17 13:22 pgpass
-rw-r----- 1 root     root     431K Apr  3 22:00 v3.6.0.tar.gz
root@cdbtestdcserver2:/tmp# tar -xvf v3.6.0.tar.gz
pg_activity-3.6.0/
pg_activity-3.6.0/.codespellrc
pg_activity-3.6.0/.coveragerc
pg_activity-3.6.0/.editorconfig
pg_activity-3.6.0/.flake8
pg_activity-3.6.0/.github/
pg_activity-3.6.0/.github/dependabot.yml
pg_activity-3.6.0/.github/workflows/
```

Step 3:- install pg_activity

 python3 -m pip install "pg_activity[psycopg]"

```
root@cdbtestdcserver2:/tmp/pg_activity-3.6.0# python3 -m pip install "pg_activity[psycopg]"
Collecting pg_activity[psycopg]
  Downloading pg_activity-3.6.0-py3-none-any.whl (73 kB)
                                         73.2/73.2 KB 1.5 MB/s eta 0:00:00
Collecting humanize!=4.12.0,>=0.5.1
  Downloading humanize-4.12.2-py3-none-any.whl (128 kB)
                                         128.3/128.3 KB 3.4 MB/s eta 0:00:00
Requirement already satisfied: attrs!=21.1,>=17.4 in /usr/lib/python3/dist-packages (from pg_activity[psycopg]) (21.2.0)
Collecting blessed>=1.15.0
  Downloading blessed-1.20.0-py2.py3-none-any.whl (58 kB)
                                         58.4/58.4 KB 2.5 MB/s eta 0:00:00
Requirement already satisfied: psutil>=2.0.0 in /usr/lib/python3/dist-packages (from pg_activity[psycopg]) (5.9.0)
Collecting psycopg[binary]>=3.1
  Downloading psycopg-3.2.6-py3-none-any.whl (199 kB)
                                         199.1/199.1 KB 16.5 MB/s eta 0:00:00
Requirement already satisfied: wcwidth>=0.1.4 in /usr/lib/python3/dist-packages (from blessed>=1.15.0->pg_activity[psycopg]) (0.2.5)
Requirement already satisfied: six>=1.9.0 in /usr/lib/python3/dist-packages (from blessed>=1.15.0->pg_activity[psycopg]) (1.16.0)
Collecting typing-extensions>=4.6
  Downloading typing_extensions-4.13.1-py3-none-any.whl (45 kB)
                                         45.7/45.7 KB 1.7 MB/s eta 0:00:00
Collecting psycopg-binary==3.2.6
  Downloading psycopg_binary-3.2.6-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (4.3 MB)
                                         4.3/4.3 MB 35.3 MB/s eta 0:00:00
Installing collected packages: typing-extensions, psycopg-binary, humanize, blessed, psycopg, pg_activity
Successfully installed blessed-1.20.0 humanize-4.12.2 pg_activity-3.6.0 psycopg-3.2.6 psycopg-binary-3.2.6 typing-extensions-4.13.1
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual
https://pip.pypa.io/warnings/venv
root@cdbtestdcserver2:/tmp/pg_activity-3.6.0# pg_activity --version
pg_activity 3.6.0
root@cdbtestdcserver2:/tmp/pg_activity-3.6.0#
```

Error faced:-

Traceback (most recent call last):
  File "/usr/local/bin/pg_activity", line 5, in <module>
    from pgactivity.cli import main
ModuleNotFoundError: No module named 'pgactivity.cli'

Change the owner of file:-

PermissionError: [Errno 13] Permission denied: '/usr/local/lib/python3.10/dist-packages/typing_extensions-4.13.1.dist-info'

Sol:-

root@cdbtestdcserver2:/usr/local/lib/python3.10# chown postgres:postgres dist-packages/ -R

Run it:-

pg_activity -U postgres -h /tmp