

# Installation

Without Lead-DBS installation routines (for confident Linux users)

- Install *Docker* following <https://docs.docker.com/desktop/install/linux-install/>
- Install/update *pip*, run `python3 -m pip install PyQt5` and `python3 -m pip install h5py`
  - I had to re-install some PyQt5 dependencies on *Ubuntu 22.04*
- Create a docker group, add your user and reboot
  - `sudo groupadd docker`
  - `sudo usermod -aG docker <USERNAME>`
- Pull the docker image `sudo docker pull ningfei/oss-dbs:latest`
- Open a terminal in `leaddbs/.../ext_libs/OSS-DBS/` and run the following to allow non sudo execution of docker container
  - `docker build --build-arg UID=$(id -u) --build-arg GID=$(id -g) -t ningfei/oss-dbs:custom -f custom.Dockerfile .`
- Run OSS-DBS with the following command
  - `docker run --name OSS_docker --volume <OSS-DBS path>:/opt/OSS-DBS --volume <patient stim folder path>:/opt/Patient --cap-add=SYS_PTRACE -it --rm <docker image>`
  - E.g. for a test patient *pBK*: `docker run --name OSS_docker --volume ~/Documents/leaddbs/ext_libs/OSS-DBS:/opt/OSS-DBS --volume ~/Documents/Data/pBK:/opt/Patient --cap-add=SYS_PTRACE -it --rm ningfei/oss-dbs:custom`