

mount postgres data-folder on NFS

MARKDOWN I struggled for some time getting postgres to run on docker/k8s with /var/lib/postgresql/data mounted on an nfs-server. I reguallary ended up with `chown: changing ownership of '/var/lib/postgresql/data/base/**/*': Operation not permitted.` I'm no expert in nfs and its export-options but to make the story short I stumbled over a [stackoverflow-entry](https://stackoverflow.com/a/56879555/834633) that suggested to change the postgres-docker-image's uid/gid to the one that has write access of the NFS-folder. Ok,...you need to create a new docker image for this, but finally. Thx to 'Eddie Parker' my Dockerfile ended up like this. Where my user has the uid 1000 and is in group 100: *Dockerfile* `FROM postgres:11.2 ENV TZ=America/Los_Angeles # Make us the same gid/id as the nfs mount. RUN sed -i 's/:999:/:1000:g' /etc/group RUN sed -i 's/:999:999:/:1000:100:g' /etc/passwd CMD ["postgres", "-c", "max_connections=10000"]` Once you have this create a new image: `sudo docker build -t nfs/postgres:11.2 .` PS: I guess it would be fine to create a user with UID:999 gid:999 on the NFS-System which creates the data-directory.

Published by Thomas Trocha

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<http://thomas.trocha.com:80/pebble/mount-postgres-data-folder-on-nfs>