Home Assistant with Postgres in docker

Install postgres via Docker (with data in /opt/pgdata)

```
mkdir /opt/pgdata
docker run -d \
    --name postgres \
    --restart always \
    -p 5432:5432 \
    -e POSTGRES_PASSWORD=****** \
    -e PGDATA=/var/lib/postgresql/data/pgdata \
    -v /opt/pgdata:/var/lib/postgresql/data \
    postgres
```

Install the Postgres client on Ubuntu and add the User and Database

```
sudo apt-get install postgresql-client
psql -U postgres -h 10.0.0.183
```

In the PSQL Console

```
CREATE ROLE hauser WITH LOGIN PASSWORD '******' VALID UNTIL 'infinity';
CREATE DATABASE homeassistant WITH ENCODING 'UTF-8' OWNER=hauser CONNECTION LIMIT=-1;
```

Add the configuration to the Home Assistant secrets file

```
hadbconfig: postgresql://hauser:*****@10.0.0.183/homeassistant
```

Add the config to configuration.yaml for "recorder"

```
recorder:
  purge_keep_days: 30
  db_url: !secret hadbconfig
```

And restart Home Assistant