

Tezos Homebase - Local Env Setup

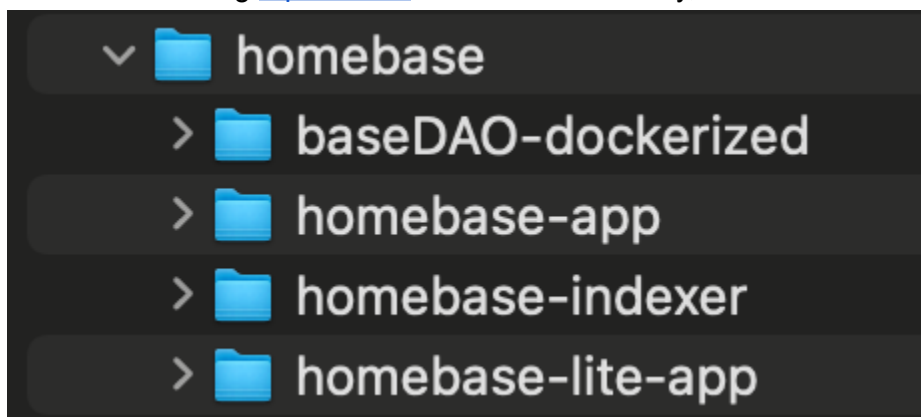
V1.0.0 (10/22)

Dependencies

The following are required to be able to run the project

- Docker [Docker Install Guide](#)
- NodeJS > 16.15.1 <https://nodejs.org/en/>
- Yarn <https://yarnpkg.com/getting-started/install>
- Python > 3.10.5 <https://www.python.org/downloads/>

1. Clone the following [repositories](#) in the same directory, it should look something like this



homebase-lite-app is the lite version of homebase-app at the time of this writing any steps involving homebase-app will work for it.

2. Create an .env file in the root directory each of the following repos and paste the provided values:

```
homebase-app
  REACT_APP_ENV=DEV
  REACT_APP_NETWORK=mainnet
  REACT_APP_HASURA_URL=http://localhost:8080/v1/graphql
  REACT_APP_HASURA_URL_V2=https://v2-homebase-indexer.hasura.app/v1/graphql
  REACT_APP_HASURA_ADMIN_SECRET=changeme
  REACT_APP_HASURA_ADMIN_SECRET_V2=ASK DEV TEAM
  REACT_APP_CORS_PROXY_URL=https://dorg-cors-proxy.herokuapp.com/
  REACT_APP_MIXPANEL_TOKEN=ASK DEV TEAM
  REACT_APP_MIXPANEL_DEBUG_ENABLED=true
  REACT_APP_LAUNCH_DARKLY_SDK_DEV=ASK DEV TEAM
```

```
REACT_APP_BASEDAO_DOCKERISED_URL=https://lambda-basedao-dockeri
sed.herokuapp.com/steps
REACT_APP_V2_URL=https://v2.tezos-homebase.io
```

```
homebase-indexer
PG_HOST=127.0.0.1
PG_PORT=5432
PG_USER=indexer
PG_PASSWORD=qwerty
PG_DB=indexer_db
PG_SCHEMA=public
```

3. You need to have docker installed on your computer [Docker Install Guide](#) run the following commands in your console:

```
$ docker network create mnetwork
```

```
$ docker run --network=mnetwork --name hb-indexer-postgres -p 5432:5432 -e
POSTGRES_USER=indexer -e POSTGRES_PASSWORD=qwerty -e
POSTGRES_DB=indexer_db -d postgres
```

```
$ docker run --network=mnetwork -p 127.0.0.1:8080:8080 -e
HASURA_GRAPHQL_DATABASE_URL=postgres://indexer:qwerty@hb-indexer-postgre
s:5432/indexer_db -e HASURA_GRAPHQL_ENABLE_CONSOLE=true -e
HASURA_GRAPHQL_DEV_MODE=true -e
HASURA_GRAPHQL_ADMIN_SECRET=changeme -e
HASURA_GRAPHQL_UNAUTHORIZED_ROLE=indexer -e
HASURA_GRAPHQL_STRINGIFY_NUMERIC_TYPES=true -d
hasura/graphql-engine:v2.8.3
```

4. Once docker containers are running start the homebase-indexer, this will populate postgres db with data from the tezos blockchain, to do so run the following commands in the console from the root directory of the homebase-indexer repository

```
$ python -m venv venv
```

Note: this will depend on how you have python configured in your computer (ex: python, python3, etc)

```
$ source venv/bin/activate
```

```
$ pip install -r requirements.txt
```

```
$ dipdup -e .env run
```

5. Wait for all blocks to be indexed you should in the console logs a message similar to:

INFO dipdup.tzkt tzkt_ghostnet: Realtime message received: head, DATA, 1314641 -> 131464

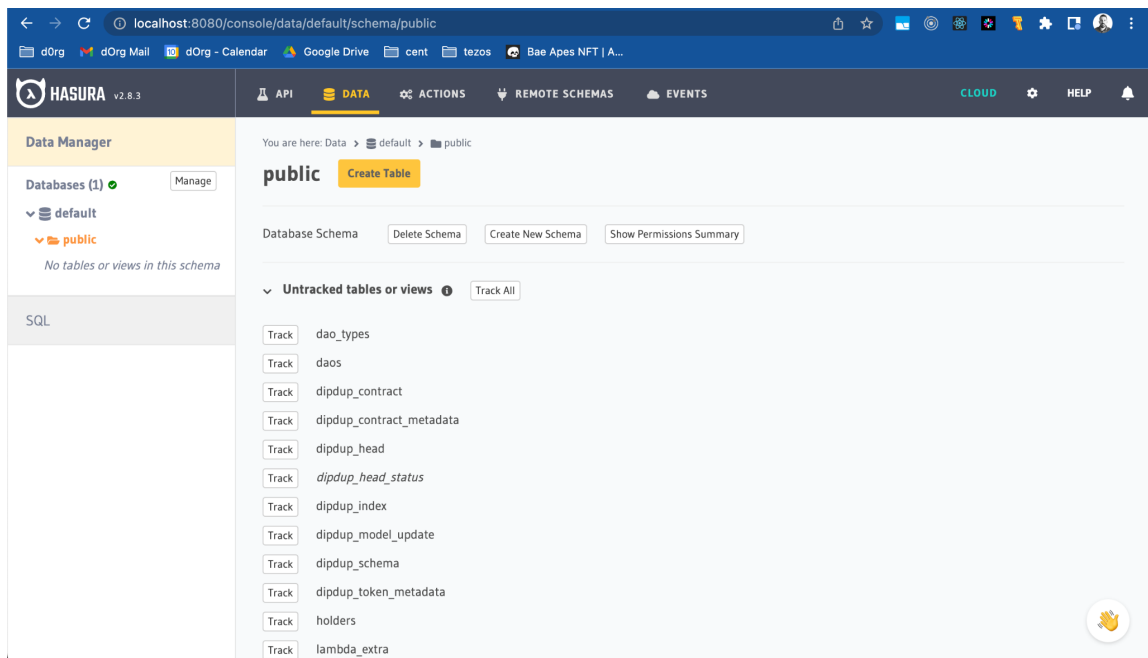
6. After this happens navigate in the browser to localhost:8080, this is where the Hasura docker container should be running (if you are asked for credentials use the ones provided when running this container

HASURA_GRAPHQL_ADMIN_SECRET=changeme and

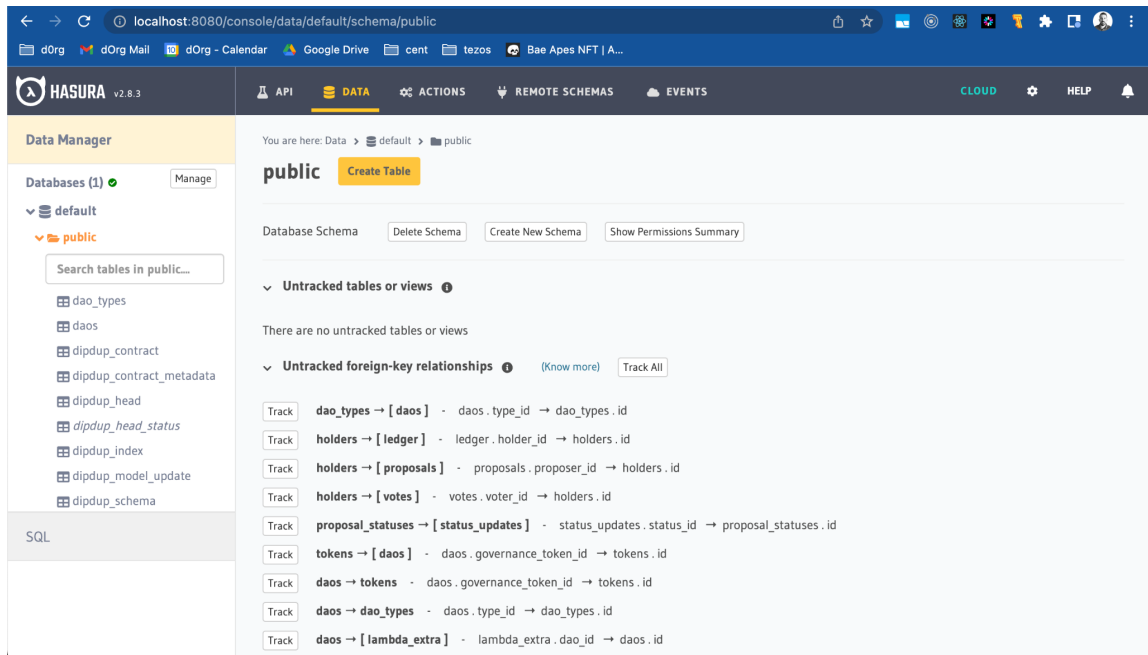
HASURA_GRAPHQL_UNAUTHORIZED_ROLE=indexer) then

- a. Navigate to <http://localhost:8080/console/data/default/schema/public> in your browser

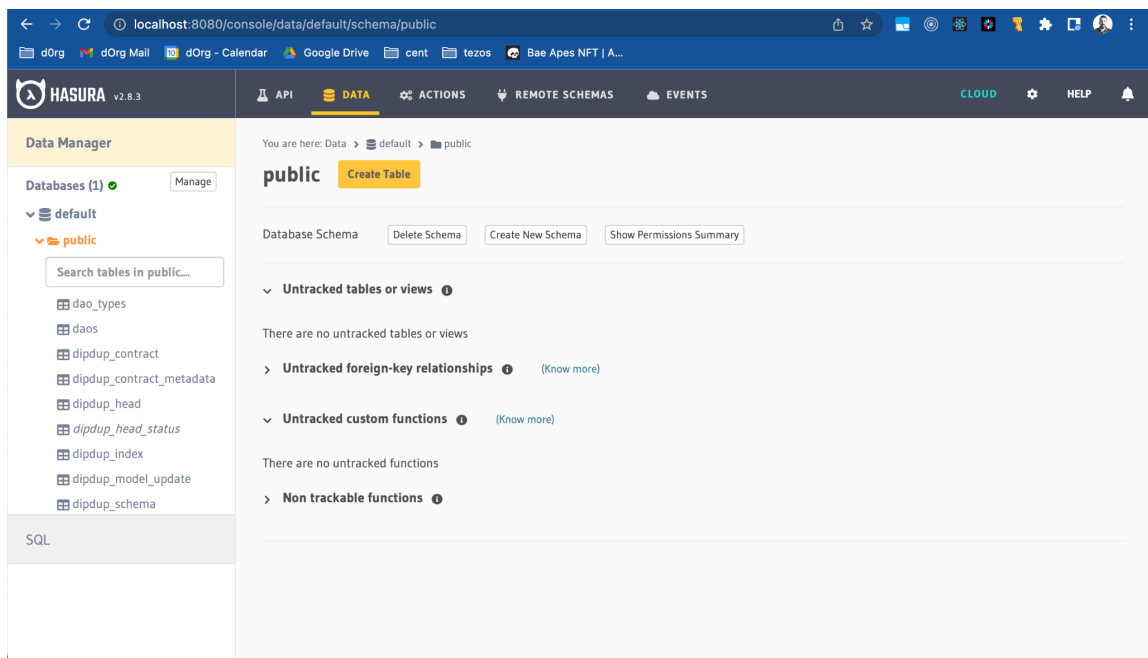
- b. On “Untracked tables or views” click “Track All” then on the alert pop-up click OK



- c. On “Untracked foreign-key relationships” click “Track All” then on the alert pop-up click OK



d. If everything went well it should look like this



7. In the baseDAO-dockerized repository install dependencies and run the projec

```
$ yarn
```

```
$ yarn dev
```

8. In homebase-app repository install dependencies and run the project

`$ yarn`

`$ yarn dev`

9. If everything went well a new tab in your browser should be opened at **localhost:3000** running the app :), Happy coding!

For help or questions reach out [d0rg Tezos Channel](#)