This document will explain how to setup faucet-UI, faucet-api, nginx entries for it.

Audience – Who want to setup faucet should have basic understanding- how to install nodejs, npm, and how to install packages etc. how to create nginx entry for domain etc.

Prior knowledge needed before reading this document or before setting faucet on server – be sure you know or can do basic installation of nodejs, installing packages, setting nginx entries. And can use Unix file editors like VI or nano or similar.. html file editing etc..

If you are not comfortable in above, please ask someone from our team to do it for you.

➢ Setting up JSON faucet Backend -

Create folder on faucet server. Example /home/myfaucet/

Get latest Json faucet code from ->

https://github.com/Dithereum/faucet/tree/main/json_faucetscript

and copy it in - **/home/myfaucet** folder

to make faucet (to active only dispend coins) change the following in .env file.

Open .env file using command **nano .env** and change it as you need

Note - Set the following that are show below in bold of .env file as per your client's details or requirements

*ADMIN_WALLET='**YOUR ADMIN WALET HERE**'*

*ADMIN_PK='**ADMINWALLET PK HERE**'*

*TESTNET_RPC_URL='**https://node-testnet.dithereum.io**'*

*GOOGLE_CAPTCHA_SERVER_SECRET='**ADD YOUR SERVER GOOGLE CAPTCHA KEY HERE**'*

*COINS_TO_SEND=**10000000000000000000** ## will give 10 coins*

*CHAINID=**34***

*COIN_NAME="**DTH**"*

*PORT_NUM=**9292***

*MAX_REQUEST_PER_IP=**50**   ## give 50 or more sometimes users are in one Lan network*

 # set 120 for 120 mins

IP_RESTRICTED_MINUTES=120

```
# NEXT_DESPEND_DURATION 24 hours

NEXT_DESPEND_DURATION=86400000

GAS_LIMIT=30000
```

If you want to setup, faucet to give tokens also, please set the required details in .env file.

Example –

```
 BUSD_CONTRACT=0xa04AE9cD58db516335…..

BTC_CONTRACT=0x90b4Fde638…..

DAI_CONTRACT=0xf68521Bf62….

USDC_CONTRACT=0x59D6117…

XRP_CONTRACT=0x62bFfA9F9B…..

ETH_CONTRACT=0xc1A016C2c1a….

DUSD_CONTRACT=0x4CA21032F6C….

USDT_CONTRACT=0x59633c59c123…..

# TOKENS to SEND

PEGGY_BTC=100000000000000000

PEGGY_BUSD=10000000000000000000

PEGGY_DAI=10000000000000000000

PEGGY_ETH=100000000000000000

PEGGY_USDC=10000000000000000000

PEGGY_USDT=100000000000000000

PEGGY_XRP=100000000000000000

PEGGY_DUSD=100000000000000000

TOKEN_ABI = 'TOKEN ABI HERE'

BTC_TOKEN_NAME="BTC"

BUSD_TOKEN_NAME="BUSD"

DAI_TOKEN_NAME="DAI"

ETH_TOKEN_NAME="ETH"
```

USDC_TOKEN_NAME="USDC"

USDT_TOKEN_NAME="USDT"

XRP_TOKEN_NAME="XRP"

DUSD_TOKEN_NAME="DUSD"

Thats it!! It's all done now you can install all packages using npm install and set script on pm2 like this

- **cd /home/myfaucet/**
- **npm install**
- **pm2 start ./json_faucetscript.js**

- ## Create nginx entry for faucet-api –

- cd /etc/nginx/sites-available/
- nano faucet-api.**domain.com**.conf
  and add following lines (change following bold data as needed) and save.

  ```
  server {
      server_name   faucet-api.domainname.com;

      location / {
          proxy_set_header X-Forwarded-For       proxy_add_x_forwarded_for;
          proxy_set_header Host $host;
          proxy_http_version 1.1;
          proxy_set_header Upgrade $http_upgrade;
          proxy_set_header Connection "upgrade";
          proxy_pass http://localhost:9292/faucet;
      }
  }
  server {
      listen       80;
      server_name   faucet-api.domain.com;
  }
  ```

  Create symlink for it in /etc/nginx/**sites-enabled**

- **Setting up faucet-UI**

➢ **Create entry for faucet-ui in folder -> /etc/nginx/sites-available/**
   Example –
➢ cd /etc/nginx/sites-available/
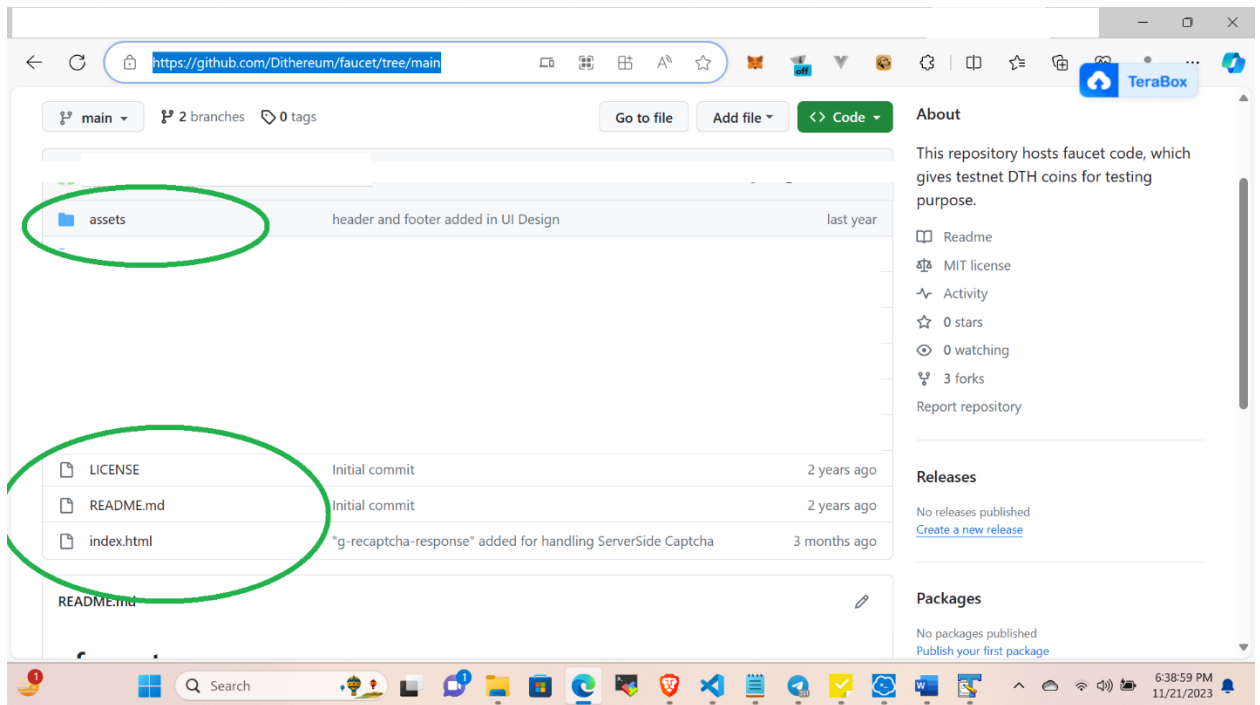➢ nano faucet.**domainname.com**.conf

add following entry in it (change bold lines as per need) and save file and make symlink in sites-enabled

```
server {

    listen 80;

    listen [::]:80;

    server_name faucet.domain.com;

    root /var/www/faucet_ui;

    index index.html;

    location / {

        try_files $uri $uri/ =404;

    }

}
```

➢ Create folder in /var/www/**faucet_ui**

And get following files and folders from this github location -
https://github.com/Dithereum/faucet/tree/main

Modify **index.html** as per your need (for text and content, google code etc).

You need to change images in **/faucet/assets/img/**

Done!! Congrats, you setup your faucet-api and faucet-ui! Now restart nginx service so it will pick your latest nginx-entries of domains.

Still have trouble or facing some issue setting faucet/ faucet-UI? raise a ticket in company telegram group. I or someone from team will reply or fix it.