Install and Run an Epicbox Relay Server

If you would like to run a local epicbox server for your state or country, please follow these steps. It is assumed you are logged in as root or running sudo su.

Prepare a server class computer running linux (Ubuntu 20.04+, Mint 20.3+, VPS is OK)

Create user 'epic' cd /home/epic

Download epicbox.zip and unzip into /home/epic

chown epicbox, epicboxlib, config.json to epic:epic and make binaries executable (if not already) in /home/epic

Create a DNS entry pointing to epicbox.your-domain

Install nginx

In epicbox.nginx: modify domain to epicbox.your.domain then copy to /etc/nginx/sites-enabled

    $ systemctl restart nginx

Install certbot and run to update the nginx file:

    $ apt install certbot

    $ apt install certbot python3-certbot-nginx

    $ certbot --nginx --redirect -d your.domain -d epicbox.your.domain -m youremailaddress --agree-tos --no-eff-email

Restart nginx service

    $ systemctl restart nginx

Install mongodb: https://www.mongodb.com/docs/manual/tutorial/install-mongodb-on-ubuntu/#install-mongodb-community-edition

Copy mongod.conf to /etc

    $ systemctl enable mongod

    $ systemctl start mongod

    $ systemctl status mongod

Monitor mongodb with 'journalctl -fu mongod.service'

In config.json: change "epicbox_domain": "epicbox.your.domain" to your own domain

       $ cp epicbox.service /etc/systemd/system

       $ systemctl daemon-reload

       $ systemctl start epicbox

       $ systemctl enable epicbox

Monitor epicbox with 'journalctl -fu epicbox'

Create mongodb index (after epicbox has processed one transaction to create the epicbox db and slates collection):

```
$ mongosh

test>use epicbox

epicbox> db.slates.createIndex({queue:1, made:1, createdat: 1})

epicbox>db.slates.createIndex({messageid:1, made:1})

epicbox>db.slates.createIndex({ "createdat": 1 }, {expireAfterSeconds: 604800 })

epicbox>quit()
```

Note: epicbox created from app_mongo.js at https://github.com/EpicCash/epicboxnodejs-source

(run pkg -t node18 -o epicbox app_mongo.js)

Update Existing Server:

       $ systemctl stop epicbox

Download epicbox.zip and unzip epicbox and epicboxlib into /home/epicbox as user: epicbox ($ su epicbox)

Check config.json in .zip for changes and unzip if it needs updating

In config.json: change "epicbox_domain": "epicbox.your.domain" to your own domain (if updated)

       $ systemctl start epicbox