**-- a -- Configurar IP**

sudo nano -c /etc/netplan/00-installer-config.yaml

*#This is the network config written by 'subiquity'*

*network:*

*ethernets:*

*eth0:*

*dhcp4: no*

*addresses: [192.168.0.200/24]*

*gateway4: 192.168.0.3*

*nameservers:*

*addresses: [187.190.119.2,187.190.241.2]*

*version: 2*

sudo netplan apply

ip a

**-- b -- Instalar SSH Server**

sudo apt update

sudo apt install openssh-server

sudo systemctl status ssh

sudo ufw allow ssh

**-- 1 -- Instalación de docker y docker-compose**

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -

sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable"

sudo apt update

sudo apt install docker-ce docker-compose

sudo systemctl status docker

sudo systemctl enable docker

sudo usermod -aG docker ${USER}

su - ${USER}

id -nG

**-- 2 -- Instalación de NGINX**

sudo apt install nginx

sudo systemctl status nginx

sudo systemctl enable nginx

**-- 3 -- Instalación MongoDB y crear usuario para la base de datos del sistema**

curl -fsSL https://www.mongodb.org/static/pgp/server-4.4.asc | sudo apt-key add -

echo "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/4.4 multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-4.4.list

sudo apt update

sudo apt install mongodb-org

sudo systemctl start mongod.service

sudo systemctl enable mongod.service

sudo systemctl status mongod.service

mongo --host localhost

*use admin*

*db.createUser({user: "declara-user", pwd: "declara-password", roles: [{ role: "dbOwner", db: "declaraciones" } ] })*

**-- 4 -- Obtener repositorios**

sudo git clone https://github.com/PDNMX/SistemaDeclaraciones\_backend.git

sudo git clone https://github.com/PDNMX/SistemaDeclaraciones\_reportes.git

sudo git clone https://github.com/PDNMX/SistemaDeclaraciones\_frontend.git

**-- 5 -- Configurar env reportes**

**-- 6 -- Configurar env backend**

*NODE\_ENV=development*

*PORT=3000*

*FE\_RESET\_PASSWORD\_URL=http://xxx.xxx.xxx.xxx*

*ELASTIC\_SEARCH\_URL=http://localhost:9200*

*JWT\_NO\_VERIFY=false*

*JWT\_SECRET=jwt\_secret\_pdepuebla*

*JWT\_EXPIRATION=8h*

*REFRESH\_JWT\_SECRET=jwt\_secret\_refresh\_pdepuebla*

*REFRESH\_JWT\_EXPIRATION=2d*

*SENDGRID\_API\_KEY=SG.0GwVmssFRUCyfrLR3mM3Tg.\_DnrtIxXLjMP2z-BysxHTTuECgsp79Hp93xVttk3ZXE*

*SENDGRID\_MAIL\_SENDER=sistemadeclaraciones@seapuebla.org.mx*

*REPORTS\_URL=http://localhost:3001*

*REPORTS\_API\_KEY=reports\_api\_key\_pdepuebla*

*MONGO\_USERNAME=declara-user*

*MONGO\_PASSWORD=declara-password*

*MONGO\_HOSTNAME=localhost*

*MONGO\_PORT=27017*

*MONGO\_DB=declaraciones*

**-- 7 -- Generar backend**

sudo docker-compose -p declaraciones-backend up -d --build --force-recreate

**-- 8 -- Configurar los ts del front**

cd SistemaDeclaraciones\_frontend/src/environments

ls

sudo nano environment.prod.ts

sudo nano environment.ts

http://xxx.xxx.xxx.xxx/api

**-- 9 -- Generar frontend**

sudo docker-compose -p declaraciones-frontend up -d --build --force-recreate

**-- 10 -- Configuración NGINX**

sudo nano /etc/nginx/sites-available/xxx.xxx.xxx.xxx

*server {*

*listen 80;*

*server\_name xxx.xxx.xxx.xxx;*

*location / {*

*proxy\_pass http://localhost:8080;*

*proxy\_http\_version 1.1;*

*proxy\_set\_header Upgrade $http\_upgrade;*

*proxy\_set\_header Connection 'upgrade';*

*proxy\_set\_header Host $host;*

*proxy\_cache\_bypass $http\_upgrade;*

*}*

*location /api {*

*rewrite /api(/.\*)$ $1 break;*

*proxy\_pass http://localhost:3000;*

*proxy\_http\_version 1.1;*

*proxy\_set\_header X-Forwarded-For $remote\_addr;*

*proxy\_set\_header Host $http\_host;*

*}*

*}*

***(Dentro del directorio sites-available)***

sudo ln -s /etc/nginx/sites-available/xxx.xxx.xxx.xxx /etc/nginx/sites-enabled/xxx.xxx.xxx.xxx

sudo nginx -t

sudo nginx -s reload

**-- 11 -- Verificar sistema y registrarse**

**-- 12 -- Cambiar un usuario a rol de ROOT**

mongo -u declara-user -p --authenticationDatabase "admin" declaraciones

*db.users.find().pretty();*

*var usuario = db.users.findOne({"\_id": ObjectId("AQUI-VA-EL-ID")});*

*usuario.roles = [ "ROOT" ];*

*db.users.save(usuario);*

***Con subdominio***

sudo nano /etc/nginx/sites-available/dominio.com

server {

listen 80;

server\_name dominio.com;

location / {

proxy\_pass http://localhost:8080;

proxy\_http\_version 1.1;

proxy\_set\_header Upgrade $http\_upgrade;

proxy\_set\_header Connection 'upgrade';

proxy\_set\_header Host $host;

proxy\_cache\_bypass $http\_upgrade;

}

location /api {

rewrite /api(/.\*)$ $1 break;

proxy\_pass http://localhost:3000;

proxy\_http\_version 1.1;

proxy\_set\_header X-Forwarded-For $remote\_addr;

proxy\_set\_header Host $http\_host;

}

}

sudo ln -s /etc/nginx/sites-available/dominio.com /etc/nginx/sites-enabled/dominio.com

sudo nginx -t

sudo nginx -s reload

Para respaldar

mongodump mongodb://192.168.10.15:27017/declaraciones?authSource=admin --username declarausr

la información se respalda en home/dump

Para restaurar

mongorestore mongodb://192.168.10.15:27017/?authSource=admin --username declarausr dump/