nginx+certbot en contenedor

lets encrypt

1. crear estructura de directorios:

```
mkdir -p data/nginx/conf.d
mkdir -p data/nginx/www
mkdir -p data/certbot/www
mkdir -p data/certbot/conf
```

2. crear fichero configuración nginx:

```
server {
    listen 80;
    server_name <SERVER_NAME>;
#    location / {
#        return 301 https://$host$request_uri;
#    }
    root /var/www/html;
    index index.html;
    location /.well-known/acme-challenge/ {
        root /var/www/certbot;
    }
}
#server {
#    listen 443 ssl;
#    server_name <SERVER_NAME>;
#    ssl_certificate /etc/letsencrypt/live/k0.vividumcodex.com/fullchain.pem;
#    ssl_certificate_key
/etc/letsencrypt/live/k0.vividumcodex.com/privkey.pem;
##    include /etc/letsencrypt/options-ssl-nginx.conf;
##    ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem;
#
#    location / {
#   root /var/www/html;
#    }
}
```

3. ejecutar:

   run-nginx.sh

```
docker run \
    -it \
    --name nginx \
    --rm \
    -p 80:80 \
    -v ${PWD}/data/nginx/conf.d:/etc/nginx/conf.d \
    -v ${PWD}/data/nginx/www:/var/www/html \
    -v ${PWD}/data/certbot/conf:/etc/letsencrypt \
    -v ${PWD}/data/certbot/www:/var/www/certbot \
nginx:1.15-alpine
```

4. ejecutar:

run-certbot.sh

```
docker run \
    -it \
    --name certbot \
    --rm \
    -v ${PWD}/data/certbot/conf:/etc/letsencrypt \
    -v ${PWD}/data/certbot/www:/var/www/certbot \
certbot/certbot:latest certonly
```

- opción 2 (place files in webroot directory)
- webroot: **/var/www/certbot**

origen

https://medium.com/@pentacent/nginx-and-lets-encrypt-with-docker-in-less-than-5-minutes-b4b8a60d3a71

docker-compose.yml

```
version: '3'
services:
  nginx:
    image: nginx:1.15-alpine
    ports:
      - "80:80"
      - "443:443"
    volumes:
      - ./data/nginx/conf.d:/etc/nginx/conf.d
      - ./data/nginx/www:/var/www/html
      - ./data/certbot/conf:/etc/letsencrypt
      - ./data/certbot/www:/var/www/certbot
#    command: "/bin/sh -c 'while :; do sleep 6h & wait $${!}; nginx -s reload;
done & nginx -g \"daemon off;\"'"

  certbot:
    image: certbot/certbot
    volumes:
      - ./data/certbot/conf:/etc/letsencrypt
      - ./data/certbot/www:/var/www/certbot
    command: "certonly"
# #   entrypoint: "/bin/sh -c 'trap exit TERM; while :; do certbot renew;
sleep 12h & wait $${!}; done;'"
```

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Permanent link:
https://matebcn.eu/linux:debian:seedbox:nginx-letsencrypt

Last update: **09/06/2026 18:56**