

# #1. ?? ????? ?? ??????? ?? SSL ?? ?? ?

?? ??

- (Docker `docker` AWS Lightsail`aws` `docker` `docker` )
- HTTPS`https` `https` `https` 'https' `https` `https`

? ?? ??

- SSL `ssl` `ssl`

? ?????

- `docker-compose.yml` `docker` `2` Docker `docker` `docker` SSL `ssl` `ssl`  
Nginx reverse proxy (jwilder/nginx-proxy),  
Let's Encrypt companion (JrCs/letsencrypt-nginx-proxy-companion)

`docker` `docker`

```
├─ DainWiki/
├─ bookstack/
├─ bookstack_db/
├─ docker-compose.yml
```

**yml** `docker` `docker`

```
├─ DainWiki/
├─ bookstack/          # BookStack bookstack bookstack bookstack
├─ bookstack_db/       # MariaDB bookstack
├─ certs/              # certs certs (certs certs)
├─ html/               # nginx html html html
├─ vhost.d/            # vhost.d vhost.d (vhost.d vhost.d)
```

└─ docker-compose.yml # [] [] []

```
ubuntu@ip-172-26-5-34:~/DainWiki$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  NAMES                CREATED        STATUS
d25363af4d9b   lscr.io/linuxserver/bookstack:late "/init"                  bookstack            6 minutes ago  Up 6 minutes
e3662714bf27   jrcs/letsencrypt-nginx-proxy-compan "/bin/bash /app/entr...  letsencrypt          6 minutes ago  Up 6 minutes
fa3cf91211e6   jwilder/nginx-proxy                "/app/docker-entrypo...  nginx-proxy          6 minutes ago  Up 6 minutes
:80->80/tcp, :::80->80/tcp, 0.0.0.0:443->443/tcp, :::443->443/tcp
613018760a99   mariadb:10.4                      "docker-entrypoint.s...  bookstack_db         6 minutes ago  Up 6 minutes
p
```

## ① Let's Encrypt [] [] []

```
service:
- VIRTUAL_HOST=dainwiki.com
- LETSENCRYPT_HOST=dainwiki.com
- LETSENCRYPT_EMAIL=your@email.com
```

## ② APP\_URL [] http → https [] []

```
- APP_URL=http://dainwiki.com
+ APP_URL=https://dainwiki.com
```

→ [] [] [] [] https [] [] [] [] .

## ③ nginx-proxy [] letsencrypt [] []

```
nginx-proxy:
  image: jwilder/nginx-proxy
  container_name: nginx-proxy
  restart: always
  ports:
    - "80:80"
    - "443:443"
  volumes:
    - /var/run/docker.sock:/tmp/docker.sock:ro
    - ./certs:/etc/nginx/certs
    - ./vhost.d:/etc/nginx/vhost.d
    - ./html:/usr/share/nginx/html
  networks:
    - bookstack_net
```

```
letsencrypt:
  image: jrcs/letsencrypt-nginx-proxy-companion
  container_name: letsencrypt
  restart: always
  environment:
    - NGINX_PROXY_CONTAINER=nginx-proxy
    - DEFAULT_EMAIL=your@email.com
  volumes:
    - /var/run/docker.sock:/var/run/docker.sock:ro
    - ./certs:/etc/nginx/certs
    - ./vhost.d:/etc/nginx/vhost.d
    - ./html:/usr/share/nginx/html
  depends_on:
    - nginx-proxy
  networks:
    - bookstack_net
```

→ ☐ ☐ + SSL ☐ ☐

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