

# Let's Encrypt & Certbot

## Installation

### Ubuntu

```
add-apt-repository ppa:certbot/certbot  
apt-get update && apt-get install python-certbot
```

### CentOS

```
yum install epel-release  
yum install python-certbot certbot
```

## Certbot

You must stop anything on port 443/80 before starting certbot

```
certbot certonly --standalone -d example.com
```

You can use the crt/privkey from this path

```
ls /etc/letsencrypt/live/example.com
```

```
“ cert.pem chain.pem fullchain.pem privkey.pem README
```

If you need a DH for you web.conf you can do

```
openssl dhparam -out /etc/ssl/certs/dhparam.pem 2048
```

### Renew crt

```
crontab -e
```

```
15 3 * * * /usr/bin/certbot renew --quiet
```

# Wildcard certbot dns plugin

Install certbot nginx

```
apt install python3-pip
pip3 install certbot-dns-digitalocean
```

```
mkdir -p ~/.secrets/certbot/
vim ~/.secrets/certbot/digitalocean.ini
```

```
“ dns_digitalocean_token = XXXXXXXXXXXXXXXXX
```

Certbot config

```
certbot certonly --dns-digitalocean --dns-digitalocean-credentials ~/.secrets/certbot/digitalocean.ini -d
www.domain.com
```

```
corontab -e
```

```
“ 15 3 * * * /usr/bin/certbot renew --quiet
```

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