

# Use LetsEncrypt - Free SSL Certificate Service

<https://certbot.eff.org/docs/using.html#>

## Download:

```
curl https://dl.eff.org/certbot-auto > /usr/local/bin/certbot-auto
chmod a+x /usr/local/bin/certbot-auto
```

<https://certbot.eff.org/docs/using.html#webroot>

## Manual Run:

```
certbot certonly --webroot -w /var/www/example -d www.example.com -d example.com -w /var/www/other -d other.
example.net -d another.other.example.net
systemctl stop apache2 ; systemctl stop nginx ; certbot certonly --standalone -w /var/www/example -d www.
example.com -d example.com -w /var/www/other -d other.example.net -d another.other.example.net
```

<https://certbot.eff.org/docs/using.html#renewing-certificates>

## Auto-Renew:

```
cat << 'EOL' >/etc/cron.d/certbot
@daily * * * certbot-auto renew --quiet --pre-hook "systemctl stop nginx ; systemctl stop apache2" --post-
hook "systemctl start nginx ; systemctl start apache2"
EOL
```

<https://certbot.eff.org/docs/using.html#where-are-my-certificates>

## Configure Apache:

```
SSLEngine on
SSLCertificateFile /etc/letsencrypt/live/example.com/cert.pem
SSLCertificateKeyFile /etc/letsencrypt/live/example.com/privkey.pem
SSLCertificateChainFile /etc/letsencrypt/live/example.com/chain.pem
```

## Configure NGinX:

```
ssl on;
ssl_certificate /etc/letsencrypt/live/example.com/fullchain.pem;
ssl_certificate_key /etc/letsencrypt/live/example.com/privkey.pem;
```