

**certbot**

<https://josh-weatherly.com/2018/08/freebsd-ssl-apache-lets-encrypt-certbot/>

<https://www.digitalocean.com/community/tutorials/how-to-secure-apache-with-let-s-encrypt-on-freebsd-12-0>

## Apache with Let's Encrypt

```
pkg install -y py39-certbot py39-certbot-apache
```

```
echo 'weekly_certbot_enable="YES"' >> /etc/periodic.conf
```

```
echo "LoadModule ssl_module libexec/apache24/mod_ssl.so" >> /usr/local/etc/apache24/Includes/httpd.conf
```

```
echo "LoadModule rewrite_module libexec/apache24/mod_rewrite.so" >> /usr/local/etc/apache24/Includes/httpd.conf
```

```
ee /usr/local/etc/apache24/Includes/your_domain.com.conf
```

```
<VirtualHost *:80>
#   ServerAdmin your_email@your_domain.com
    DocumentRoot "/usr/local/www/apache24/data/"
    ServerName your_domain.com
#   ServerAlias www.your_domain.com
<IfModule alias_module>
    ScriptAlias /cgi-bin/ "/usr/local/www/apache24/cgi-bin/"
</IfModule>
<IfModule !alias_module>
    DirectoryIndex index.html
</IfModule>

</VirtualHost>
```

```
service apache24 restart
```

```
certbot --apache -d your-domain -d www.your-domain
```

```
certbot renew --dry-run
```

```
certbot certificates
```

```
Saving debug log to /var/log/letsencrypt/letsencrypt.log
```

```
-----  
Found the following certs:
```

```
  Certificate Name: my.example.ua
```

```
    Serial Number: 3d3578a221edc86906c4eeee76bdefeed23
```

```
    Key Type: RSA
```

```
    Domains: my.example.ua
```

```
    Expiry Date: 2022-04-30 22:19:36+00:00 (VALID: 89 days)
```

```
    Certificate Path: /usr/local/etc/letsencrypt/live/my.example.ua/fullchain.pem
```

```
    Private Key Path: /usr/local/etc/letsencrypt/live/my.example.ua/privkey.pem  
-----
```

```
certbot certificates -d my.example.ua
```

For Zabbix monitoring on FreeBSD

<https://github.com/lightvik/zabbix-templates/blob/master/LE-certificates-information/le-certificates.sh>

```
certbot certificates | grep Certificate\ Name | awk '{ print $3 }'
```

## fix

if error with shared library

```
freebsd-version -uk
```

```
freebsd-upgrade fetch
```

```
freebsd-upgrade install
```

```
shutdown -r now  
freebsd-upgrade install
```

if error in python

```
curl https://sh.rustup.rs -sSf | sh  
make symlinks from $HOME/.cargo/bin to /usr/local/bin
```

```
or export CRYPTOGRAPHY_DONT_BUILD_RUST=1
```

```
pip install --upgrade cryptography  
pip install --upgrade pyOpenSSL > 22.1
```

```
pip install --upgrade pip pyOpenSSL cryptography
```

```
certbot certificates
```

From:  
<https://ndp.pp.ua/> - my NoDeny Wiki

Permanent link:  
<https://ndp.pp.ua/doku.php/freebsd/certbot>

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