



# Introduction

This document will list on how to install Let's Encrypt SSL on CentOS 7 Running Apache Web Server

PS : Please replace example.com with your valid domain name which is mapped with your server

We will install following dependencies in order to make Let's Encrypt SSL work:

```
epel-release
mod_ssl
python-certbot-apache
```

## Installing dependent modules

```
yum install epel-release mod_ssl
```

### Downloading the Let's Encrypt client

```
yum install python-certbot-apache
```

### Setting up the SSL certificate

Certbot will handle the SSL certificate management quite easily, it will generate a new certificate for provided domain as a parameter.

In this case, example.com will be used as the domain for which the certificate will be issued:

```
certbot --apache -d example.com
```

If you want to generate SSL for multiple domains or subdomains, please run this command:

```
certbot --apache -d example.com -d www.example.com
```

**PS : IMPORTANT! The first domain should be your base domain, in this sample it's example.com Setting up auto renewal of the certificate**

Create new cron job for automatic renewal

This job can be safely scheduled to run every Monday at midnight:

```
crontab -e
```

```
0 0 * * 1 /usr/bin/certbot renew » /var/log/sslrenew.log
```