

# Nginx with Let's Encrypt

## Introduction

In this tutorial we will discuss about installing certbot on ubuntu to install Let's Encrypt SSL on to your ubuntu server.

## Prerequisites

Before we start you need to make sure you have followings:

1. Your own domain for example ( [www.example.com](http://www.example.com))
2. DNS management credentials.
3. Update A records in DNS, your A records should look like below.
  1. A --- > [www.example.com](http://www.example.com) ---> 103.x.x.x (your public IP)
  2. A --- > example.com ---> 103.x.x.x (your public IP)

Let's Encrypt can be installed for the subdomain to. I have personally tried that and it was working fine.

In case you want to do it for subdomain your A records should look like below.

1. A ---> subdomain.example.com --- > 103.x.x.x (your public IP)

## Step 1 — Installing Certbot

We will be using Certbot to install Let's Encrypt, Lets start by adding the repository.

First, add the repository:

```
sudo add-apt-repository ppa:certbot/certbot
```

Install Certbot's Nginx package with `apt`:

```
sudo apt install python-certbot-nginx
```

Now Certbot is ready, before we proceed we need to do some configuration on Nginx server default file.

Open the Nginx default website file.

```
sudo nano /etc/nginx/sites-available/default
```

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