



certbot instructions

What's your HTTP website running on?

Nginx

Ubuntu 19.10

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Nginx on Ubuntu 19.10

To use Certbot, you'll need...



comfort with the command line



...and an HTTP website
that is already online
with an open port 80



...which is hosted on a server
which you can access via SSH
with the ability to sudo
optional if you want a wildcard cert : DNS credentials

default

wildcard *
_

1. SSH into the server

SSH into the server running your HTTP website as a user with sudo privileges.

You'll need to make sure Ubuntu universe is in your list of repositories. To do so, run the following commands on the command line on the machine:

```
$ sudo apt-get update
$ sudo apt-get install software-properties-common
$ sudo add-apt-repository universe
$ sudo apt-get update
```

3. Install Certbot

Run this command on the command line on the machine to install Certbot.

```
$ sudo apt-get install certbot python3-certbot-nginx
```

4. Choose how you'd like to run Certbot

Either get and install your certificates...

Run this command to get a certificate and have Certbot edit your Nginx configuration automatically to serve it, turning on HTTPS access in a single step.

```
$ sudo certbot --nginx
```



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configuration by hand, run this command.

```
$ sudo certbot certonly --nginx
```

5. Test automatic renewal

The Certbot packages on your system come with a cron job or systemd timer that will renew your certificates automatically before they expire. You will not need to run Certbot again, unless you change your configuration. You can test automatic renewal for your certificates by running this command:

```
$ sudo certbot renew --dry-run
```

```
/etc/crontab/
```

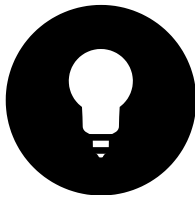
```
/etc/cron.*/*
```

```
systemctl list-timers
```

6. Confirm that Certbot worked

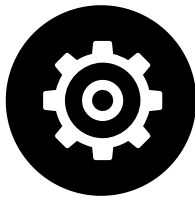
To confirm that your site is set up properly, visit **<https://yourwebsite.com/>** in your browser and look for the lock icon in the URL bar. If you want to check that you have the top-of-the-line installation, you can head to <https://www.ssllabs.com/ssltest/>.

check your site's  <https://> at SSL Labs



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