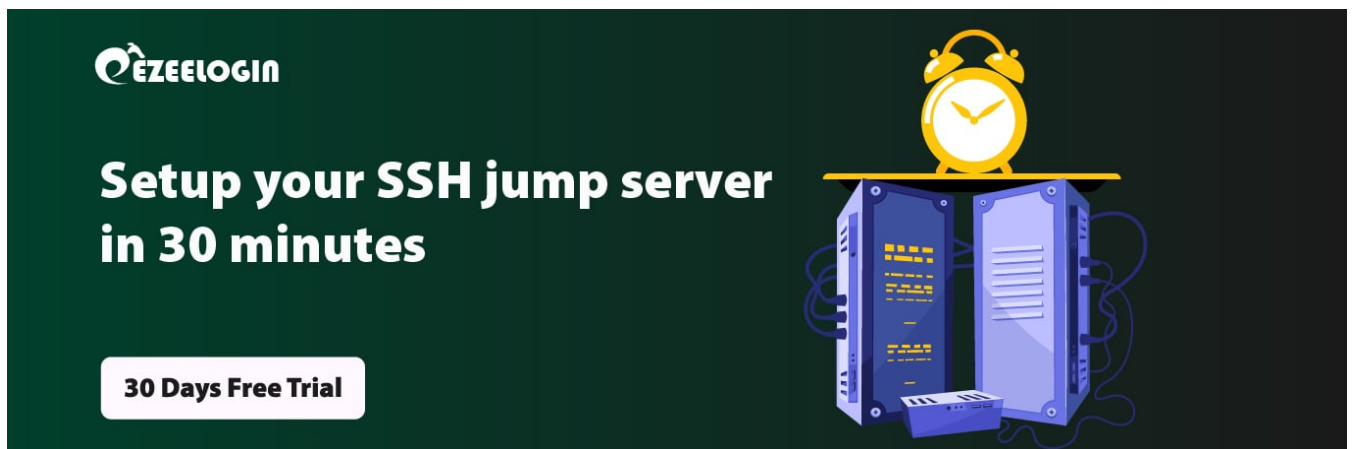# How to install free SSL with Let's Encrypt?

228 Manu Chacko September 2, 2022 [Tweaks & Configuration](#) 13815

You can automatically enable HTTPS on your website with EFF's Certbot, deploying Let's Encrypt certificates

1. Install snapd

Installing snap on Red Hat Enterprise Linux (RHEL) / Centos

Adding EPEL Repo RHEL

The EPEL repository can be added to a RHEL 8 system with the following command:

The EPEL repository can be added to a RHEL 7 system with the following command:

Adding the optional and extras repositories is also recommended:

Adding EPEL to CentOS

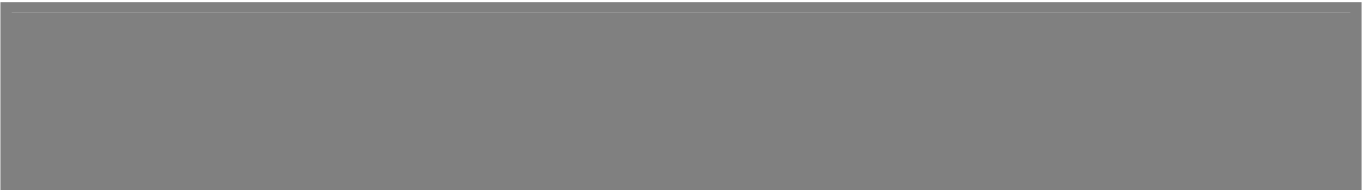The EPEL repository can be added to a CentOS 8 system with the following command:

The EPEL repository can be added to a CentOS 7 system with the following command:

Installing snapd

Once installed, the systemd unit that manages the main snap communication socket needs to be enabled:

To enable classic snap support, enter the following to create a symbolic link between /var/lib/snapd/snap and /snap:

Installing snap on Debian

On Debian 10 (Buster) and Debian 9 (Stretch), snap can be installed directly from the command line:

Installing snap on Ubuntu

If you're running Ubuntu 16.04 LTS (Xenial Xerus) or later, you don't need to do anything. Snap is already installed and ready to go.

2. Ensure that your version of snapd is up to date

Execute the following instructions on the command line on the machine to ensure that you have the latest version of snapd.

For Centos7 Use the following command to ensure that you have the latest version of snapd.

3. Remove certbot-auto and any Certbot OS packages

If you have any Certbot packages installed using an OS package manager like apt, dnf, or yum, you should remove them before installing the Certbot snap to ensure that when you run the command certbot the snap is used rather than the installation from your OS package manager. The exact command to do this depends on your OS, but common examples are sudo apt-get remove certbot, sudo dnf remove certbot, or sudo yum remove certbot.

4. Install Certbot

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

"error: system does not fully support snapd: cannot mount squashfs image using "squashfs": mount: /tmp/sanity-mountpoint-024761912: mount failed: Operation not permitted." If you get this error while installing cerbot with snap, Please run the following commands to install certbot and continue from step 6. Usually you will get the above error while trying to install certbot with snap package manager in containerized environment such as LXC,OpenVZ, etc.

5. Execute the following instruction on the command line on the machine to ensure that the certbot command can be run.

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

Make sure to add [virtualhost configuration](#) for the domain.

Let's encrypt will not work with the default configuration.

You should create a virtual host configuration and the configuration name should be the domain name.

For example: If your server name/domain name is *example.com* it should be *example.com.conf*

7. Renew Let's Encrypt Certificates & 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:

The command to renew certbot is installed in one of the following locations :

More detailed information   can be found in Certbot documentation