


# SSL/TLS Certificate

## What is an SSL Certificate?

SSL stands for secure socket layer and is a deprecated (no longer used) protocol for creating a secure connection between a server and a client. These days, we use the transport layer security (TLS) protocol for the same purpose because it is more secure than SSL. However, SSL and TLS are used interchangeably.

The *certificate* portion of an SSL/TLS certificate refers to the digital proof that a website is encrypted and is not misrepresenting itself.

## Why are they important?

SSL/TLS certificates offer proof of authenticated and encrypted connections. Websites that have this padlock icon  next to the URL have a valid SSL/TLS certificate and can be trusted by the end-user.

## How do you get one?

To get an SSL/TLS certificate, you have to go through a trusted certificate authority (CA).

The steps for getting an SSL/TLS certificate are simple.

- 1) Create an account with a CA.
- 2) Purchase the SSL/TLS certificate.

## VENZA specific instructions

During the certificate generation process, you will be asked to provide a certificate signing request (CSR). The VENZA team will generate a CSR, and you should receive it along with these instructions. If you are asked for the type of web server, it is Nginx. Once complete, email the ZIP file that contains the certificate chain to VENZA.

[Link with specific client information]