

# Générer un certificat auto-signé sous Windows ??

*Source: [How to Generate a Self-Signed Certificate and Private Key using OpenSSL - GSX Help Center](#)*

Generating a private key and self-signed certificate can be accomplished in a few simple steps using OpenSSL. We provide here detailed instructions on how to create a private key and self-signed certificate valid for 365 days.

Follow this article if you need to generate a private key and a self-signed certificate, such as to secure GSX Gizmo access using HTTPS.

## Instructions

Generating a self-signed certificate with OpenSSL:

Win32 OpenSSL v1.1.0+ for Windows can be [found here](#).

1. Open Windows File Explorer.
2. Navigate to the OpenSSL bin directory.
  - `c:\OpenSSL\bin\` in our example.
3. Right-click the `openssl.exe` file and select **Run as administrator**.
4. Enter the following command to begin generating a certificate and private key:
  - `req -x509 -sha256 -nodes -days 365 -newkey rsa:2048 -keyout privateKey.key -out certificate.crt`
5. You will then be prompted to enter applicable Distinguished Name (DN) information, totaling seven fields:  
`OpenSSL_Cert_Generation_command_steps.png`
6. Once completed, you will find the `certificate.crt` and `privateKey.key` files created under the `\OpenSSL\bin\` directory. `Certificate-privateKey_created.png`

Congratulations, you now have a private key and self-signed certificate!

## External OpenSSL related articles

- [General OpenSSL Commands](#).
- [SourceForge OpenSSL for Windows](#).

- [OpenSSL version 1.1.0 for Windows.](#)
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