

Nếu chưa cài đặt xampp thì có thể cài đặt qua link <https://www.apachefriends.org/download.html>

Step1: Truy cập folder C:\xampp\apache tạo new folder C:\xampp\apache\cert

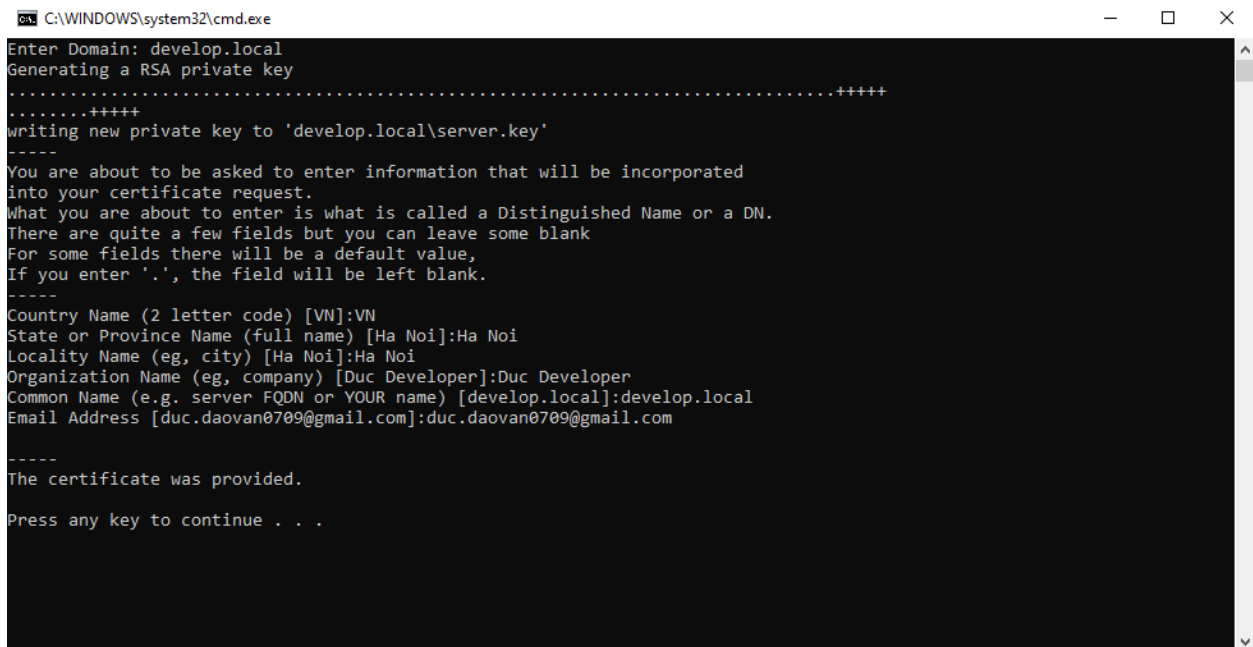
Step2: Thêm 2 file cert.conf và make-cert.bat

Step3: Chỉnh sửa file cert.conf

commonName_default = develop.local (domain bạn muốn cài SSL)

Step4: Run file make-cert.bat (click 2 lần)

Nhập domain của bạn và giá trị default



```
C:\WINDOWS\system32\cmd.exe
Enter Domain: develop.local
Generating a RSA private key
.....+++++
.....+++++
writing new private key to 'develop.local\server.key'
-----
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
-----
Country Name (2 letter code) [VN]:VN
State or Province Name (full name) [Ha Noi]:Ha Noi
Locality Name (eg, city) [Ha Noi]:Ha Noi
Organization Name (eg, company) [Duc Developer]:Duc Developer
Common Name (e.g. server FQDN or YOUR name) [develop.local]:develop.local
Email Address [duc.daovan0709@gmail.com]:duc.daovan0709@gmail.com
-----
The certificate was provided.
Press any key to continue . . .
```

Kết quả: Folder develop.local được tạo ra

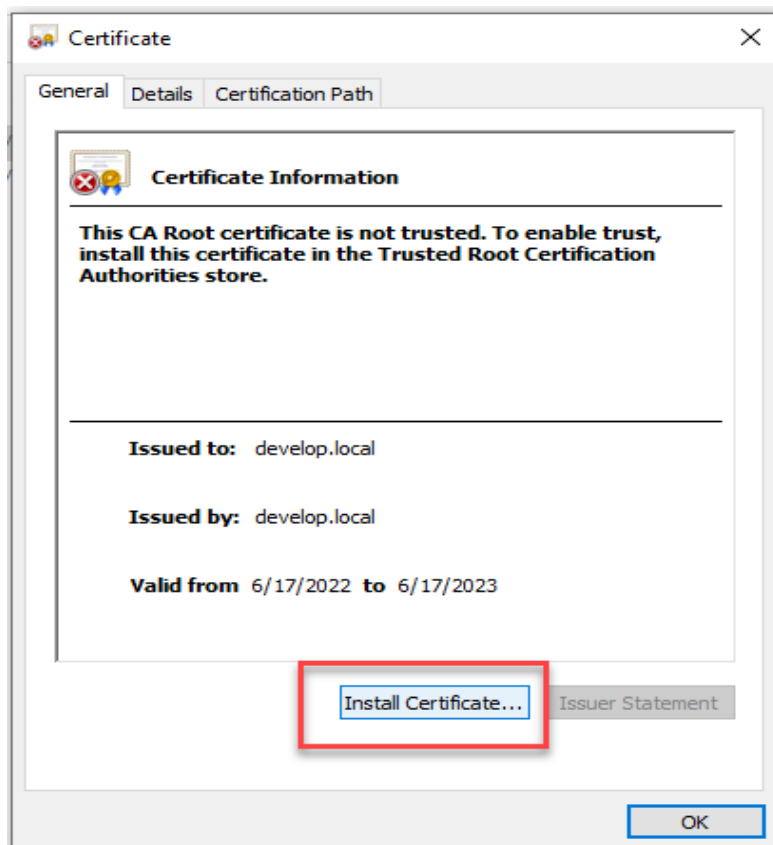
Step5 : Mở folder C:\xampp\apache\cert\develop.local sẽ thấy 2 file server.crt và server.key

Click 2 lần server.crt

Chọn **Install Certificate**

Chọn **Local Machine** sau đó chọn Next

Chọn **Place all certificate in the following store** và click **browse** sau đó chọn **Trusted Root Certification Authorities**.



Welcome to the Certificate Import Wizard

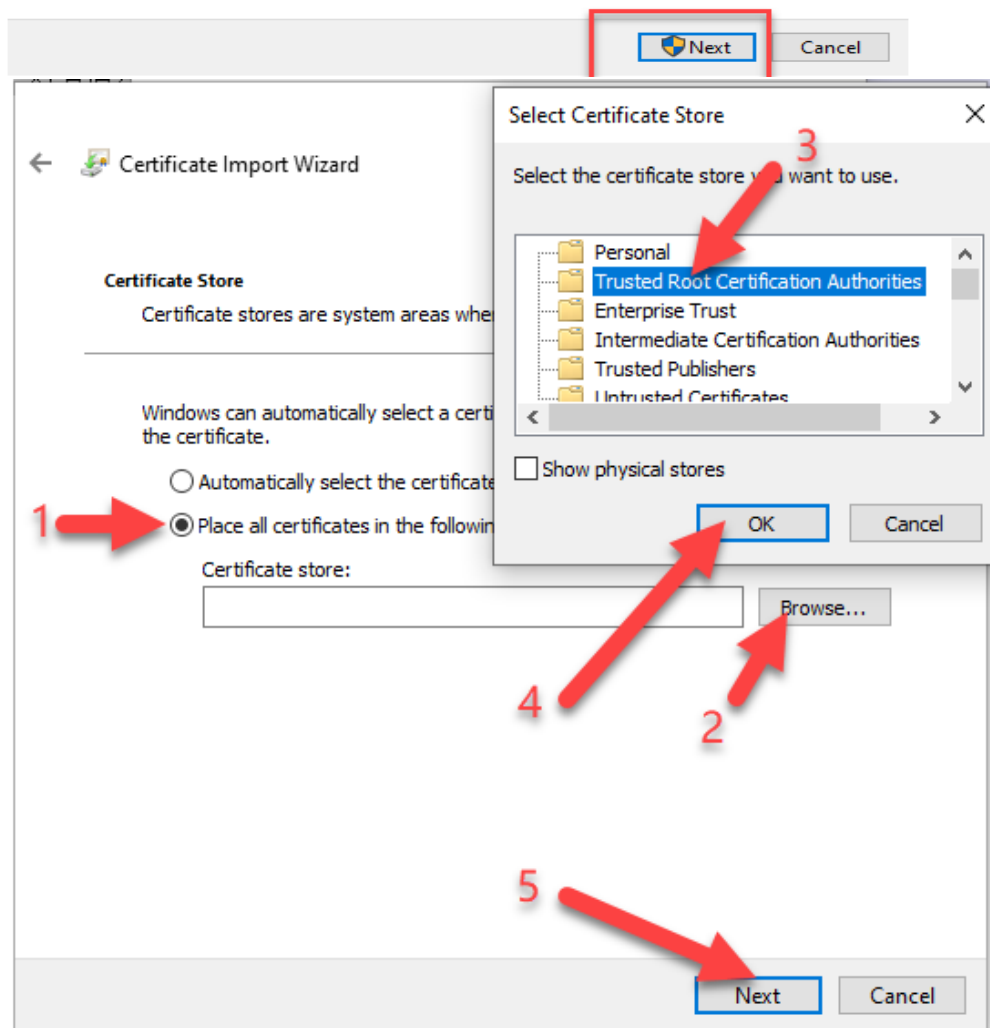
This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.

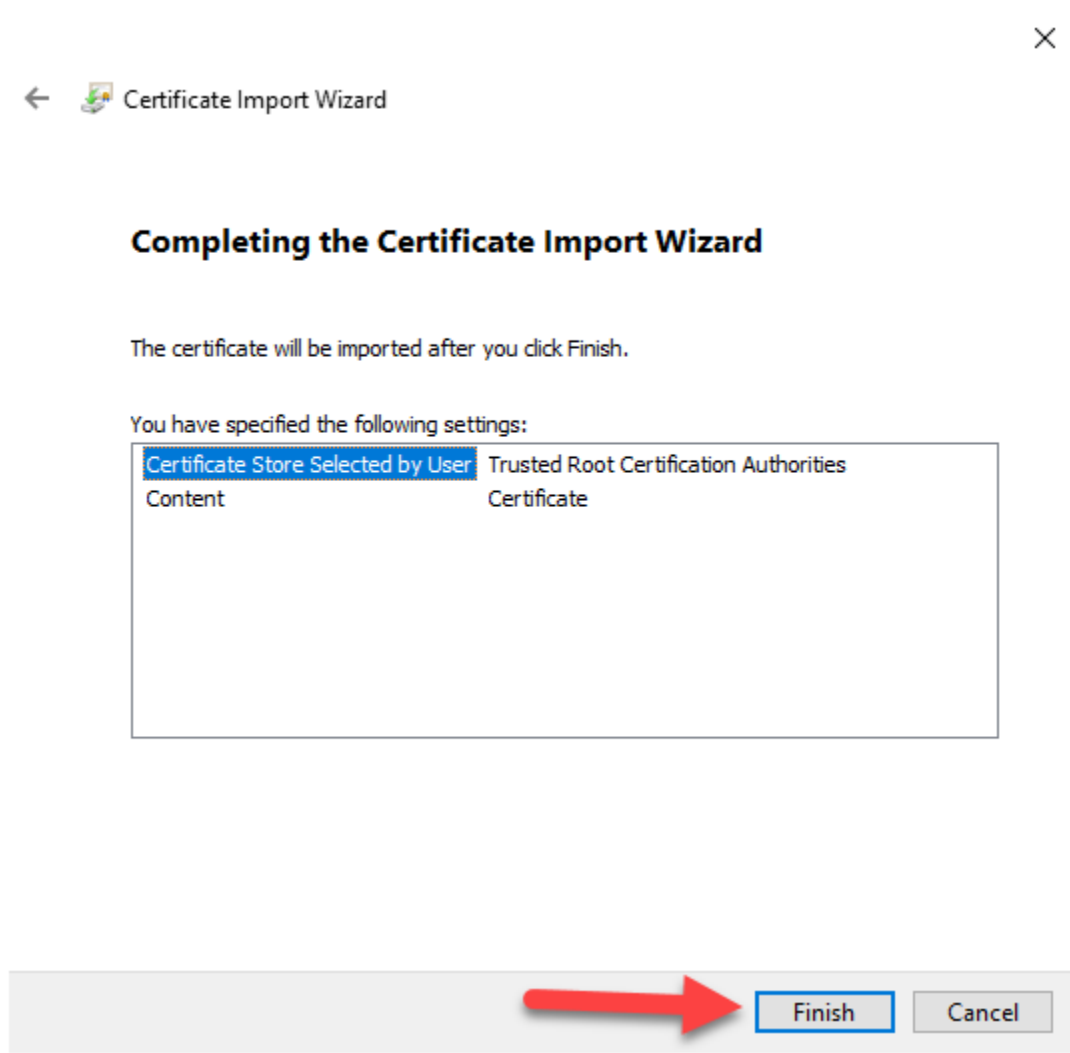
A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.

Store Location

- ☐ Current User
- ☒ Local Machine

To continue, click Next.





Như vậy là đã cài xong chứng chỉ SSL

Step6: Mở file C:\Windows\System32\drivers\etc\hosts thêm 1 dòng
127.0.0.1 develop.local

Step7: Mở file C:\xampp\apache\conf\extra\httpd-vhosts.conf

<VirtualHost *:80>

DocumentRoot "E:/laravel-web/web-demo"

ServerName develop.local

```
    ServerAlias *.develop.local
</VirtualHost>

<VirtualHost *:443>
    DocumentRoot "E:/laravel-web/web-demo"
    ServerName develop.local
    ServerAlias *.develop.local
    SSLEngine on
    SSLCertificateFile "crt/develop.local/server.crt"
    SSLCertificateKeyFile "crt/develop.local/server.key"
</VirtualHost>
```

Step7: Khởi động xampp, mở lại chrome để load SSL