OpenSSL Installation Guide (Windows only)

Step 1 – Download OpenSSL Binary

From this list provided by OpenSSL's Wiki page, download the latest OpenSSL windows installer file from here.

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Scroll down until you find the section similar to the screenshot below. We recommend downloading the EXE file.

Step 2 – Run OpenSSL Installer

Once downloaded, double click on the OpenSSL .exe file. The installation requires Microsoft Visual C++ component installed as well. If your computer doesn't have Microsoft Visual C++ installed, the installer will display the following message:
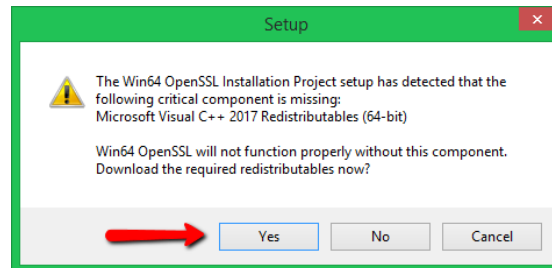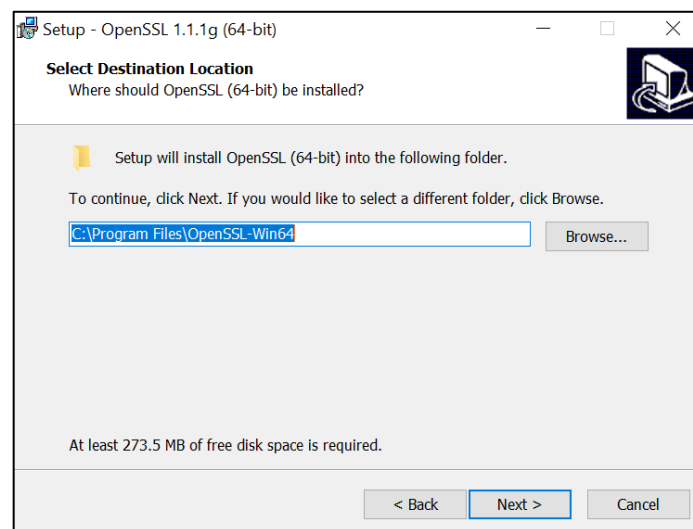

Click **Yes** to download and install the required Microsoft Visual C++ package.
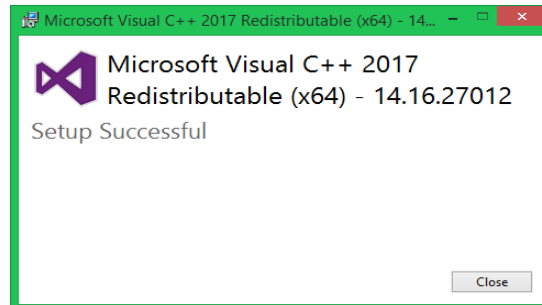
Next, rerun the OpenSSL installer and follow the installation wizard.

P/s: Note down the destination location/folder of the OpenSSL program. (e.g. C:\Program Files\OpenSSL-Win64)
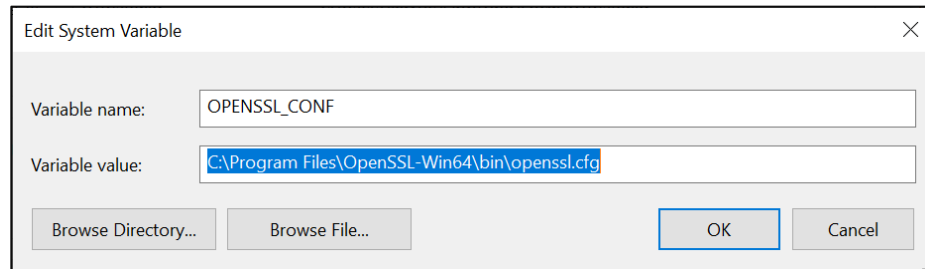
Step 3 – Setup Environment Variables

Once the installation completed:

1. Set **Environment Variables**:
   a. Open System Properties > Advanced > Environment Variables
   b. Under System variables, click **New** then input the following as shown in the screenshot

Variable name: OPENSSL_CONF
Variable value: Destination location/folder (from #Step2) + \bin\openssl.cfg
(e.g. *C:\Program Files\OpenSSL-Win64\bin\openssl.cfg*)

P/s: The variable value is the Path to the OpenSSL program stored on your local computer. It may differ from the screenshot above.

2. Set **Path Variable**:
   a. Open System Properties > Advanced > Environment Variables
   b. Under System variables, select Path from the list then click **Edit**. (You should come to a pop-up window with a list of directory paths)
   c. Click **New** and input the directory path to the OpenSSL bin folder. An example is shown in the screenshot below.
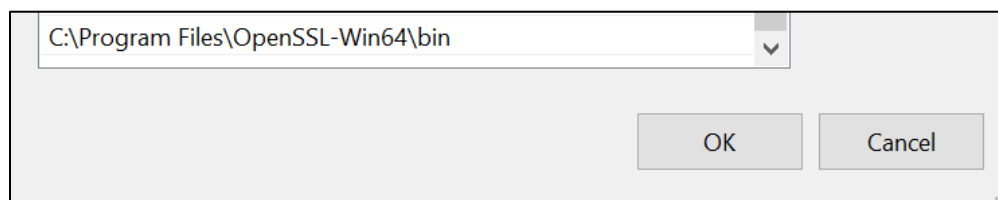
P/s: Your Path may differ from the screenshot above.

Step 4 – Ensure that OpenSSL is installed on your computer.

1. Start the Command Prompt.
2. Execute *"openssl version"* in your Command Prompt.
3. You should see the version number and the release date.

```
C:\Users_____>openssl version
OpenSSL 1.1.1g  21 Apr 2020
```

Congratulations you have now successfully installed OpenSSL on your computer.