



| Blog | Step-By-Step Procedure To Ins...

A screenshot of a blog post titled "Step-By-Step Procedure To Install OpenSSL On The Windows Platform: DOWNLOAD, INSTALL, AND CONFIGURE OPENSSL ON WINDOWS". The post includes a list of bullet points: "Why should you install OpenSSL on Windows?" and "How to Install OpenSSL on The Windows Platform?". Below the title, there's a large graphic with the text "OpenSSL ON" and the Windows logo.

## Step-By-Step Procedure To Install OpenSSL On The Windows Platform

OpenSSL is a small but powerful open source cross-platform utility, which can be used in various [digital PKI certificate](#) activities. OpenSSL can be used to convert the digital certificates from one to another format, export private keys from certificates, and build your own [Certificate Authority](#). However, [OpenSSL](#) is included in basic packages in most of the popular Linux distributions. It is not required to install the OpenSSL on Linux. Well, the story is not similar in the case of the Windows platform. Don't be disappointed, since OpenSSL is a cross-

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## Should You Install OpenSSL On Windows?

all, OpenSSL is not for normal users. It is not mandatory to install SSL on the Windows platform. As we said earlier, OpenSSL is a cryptographic [SSL/TLS](#) tool kit, which provides a wide range of solutions for those who work on Digital Certificates, SSL/TLS testing, application development or implementation, application testing, and security testing. There are a lot of things you can do using OpenSSL. Only a few of them are listed here:

1. You can [create your own Certificate Authority](#) and issue certificates on your network.
2. Convert digital certificates from one to another format.
3. Export or Import private keys from the certificates.
4. Validate the HTTPS connections to the destination website.
5. Verify the certificate of the destination website.
6. Run benchmark tests of your server and remote website.
7. Extract information like issuer, subject, issued and expiring dates, and fingerprint from certificates.
8. Create CSR.
9. Decode CSR and Certificates to verify contents.

You can enjoy the features of OpenSSL if you have installed it on your Windows machine.

Let's begin the procedure to install OpenSSL on the Windows platform.

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## **ownload the OpenSSL installer**

ownload the OpenSSL installer from the official OpenSSL download link:  
[s://slproweb.com/products/Win32OpenSSL.html](https://slproweb.com/products/Win32OpenSSL.html)

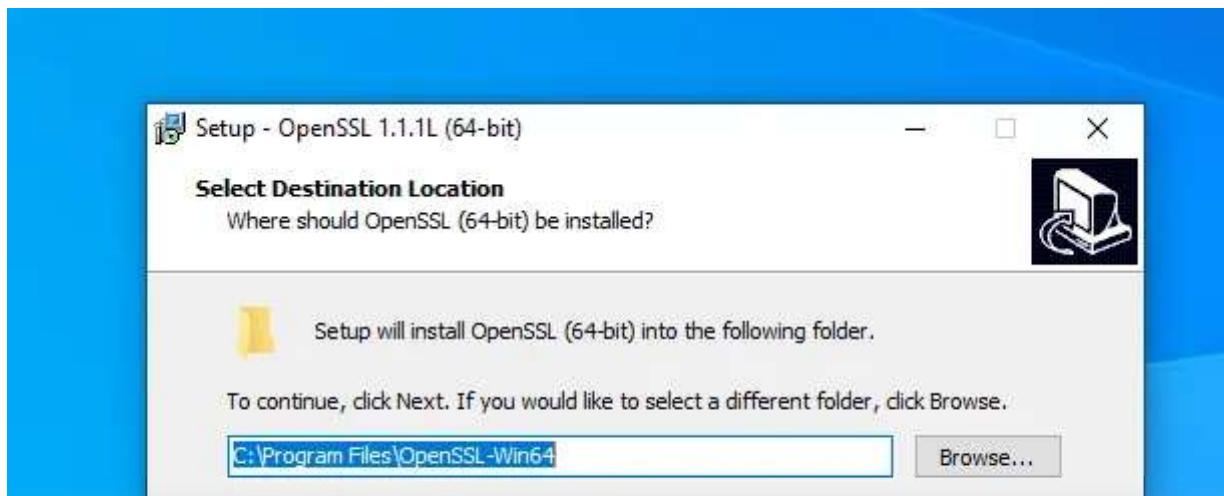
Download Win32/Win64 OpenSSL		
File	Type	Description
Win64 OpenSSL v1.1.1L Light	3MB Installer	Installs the most commonly used essentials of Win64 OpenSSL v1.1.1L (Recommended for users by the creators of OpenSSL). Only installs on 64-bit versions of Windows. Note that this is a default build of OpenSSL and is subject to local and state laws. More information can be found in the legal agreement of the installation.
<a href="#">EXE   MSI</a>		
Win64 OpenSSL v1.1.1L	63MB Installer	Installs Win64 OpenSSL v1.1.1L (Recommended for software developers by the creators of OpenSSL). Only installs on 64-bit versions of Windows. Note that this is a default build of OpenSSL and is subject to local and state laws. More information can be found in the legal agreement of the installation.
<a href="#">EXE   MSI</a>		
Win32 OpenSSL v1.1.1L Light	3MB Installer	Installs the most commonly used essentials of Win32 OpenSSL v1.1.1L (Only install this if you need 32-bit OpenSSL for Windows. Note that this is a default build of OpenSSL and is subject to local and state laws. More information can be found in the legal agreement of the installation).
<a href="#">EXE   MSI</a>		
Win32 OpenSSL v1.1.1L	54MB Installer	Installs Win32 OpenSSL v1.1.1L (Only install this if you need 32-bit OpenSSL for Windows. Note that this is a default build of OpenSSL and is subject to local and state laws. More information can be found in the legal agreement of the installation).
<a href="#">EXE   MSI</a>		

## **2. Run the OpenSSL installer to install**

Execute the downloaded installer file and install the OpenSSL on the Windows machine.

The installation procedure is quite simple and straight.

1. Accept license agreement.
2. Specify the Installation location.



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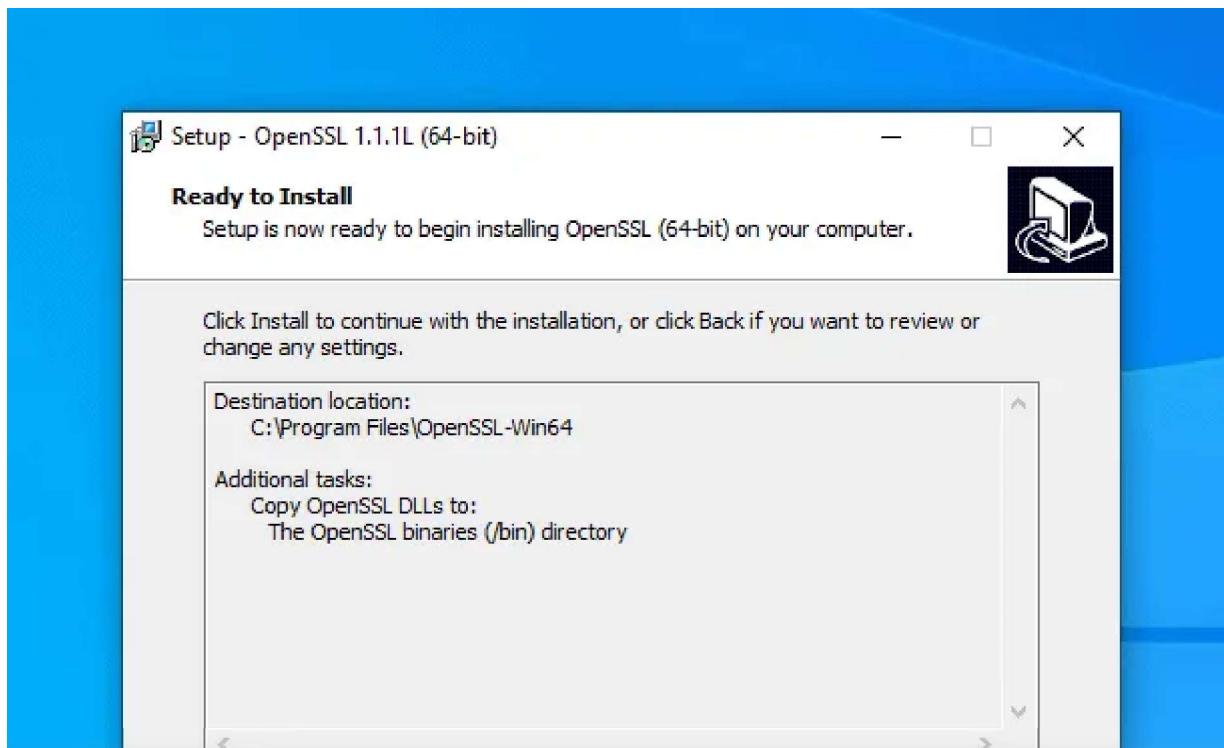
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## Create installing OpenSSL

Start Menu location and the additional task then click on the Install button to initiate the OpenSSL installation.



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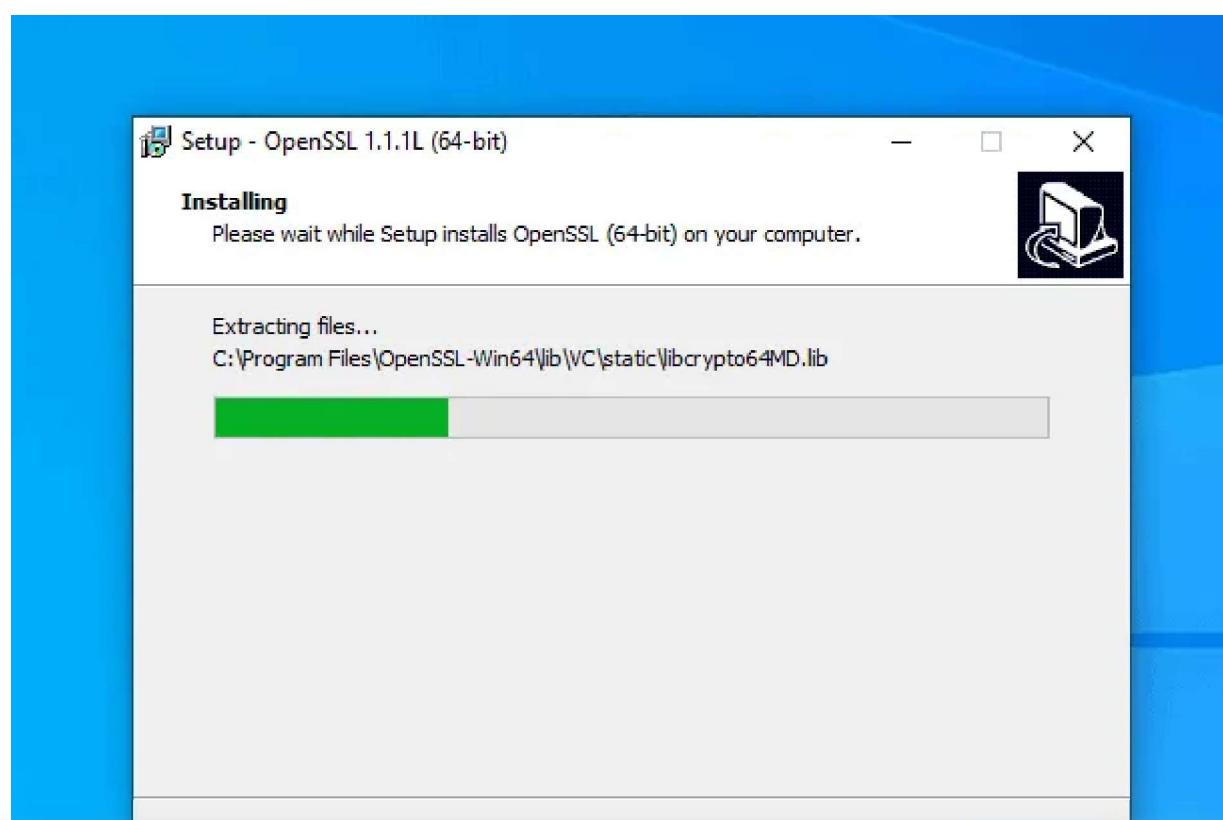
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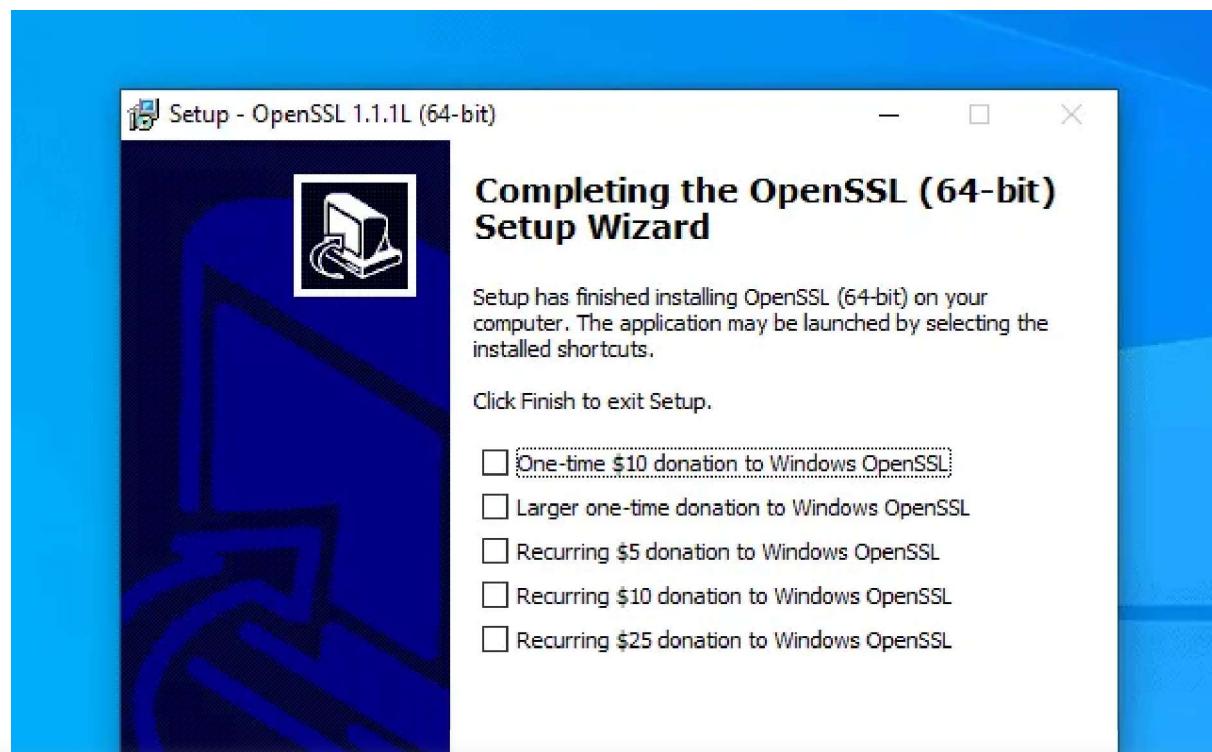
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these commandas.

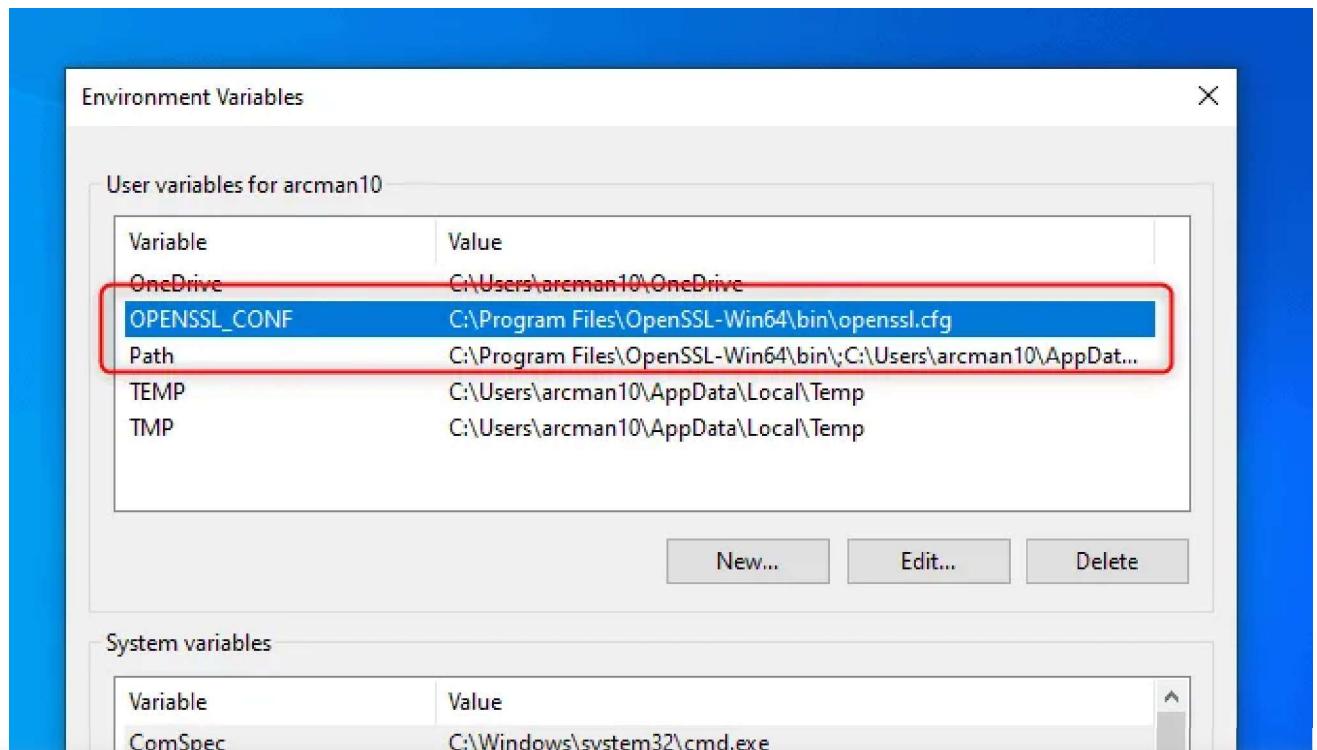
t **OPENSSL\_CONF=C:\Program Files\OpenSSL-Win64\bin\openssl.cfg**

t **Path= C:\Program Files\OpenSSL-Win64\bin**

If you want to set the env variable for permanently, then add **OPENSSL\_CONF** and **Path** env variable on **System Properties**.

Open Run using '**Windows**' + '**r**' then type '**sysdm.cpl**'. Go to **Advanced > Environment Variable**.

Set **OPENSSL\_CONF** and **Path** variables.



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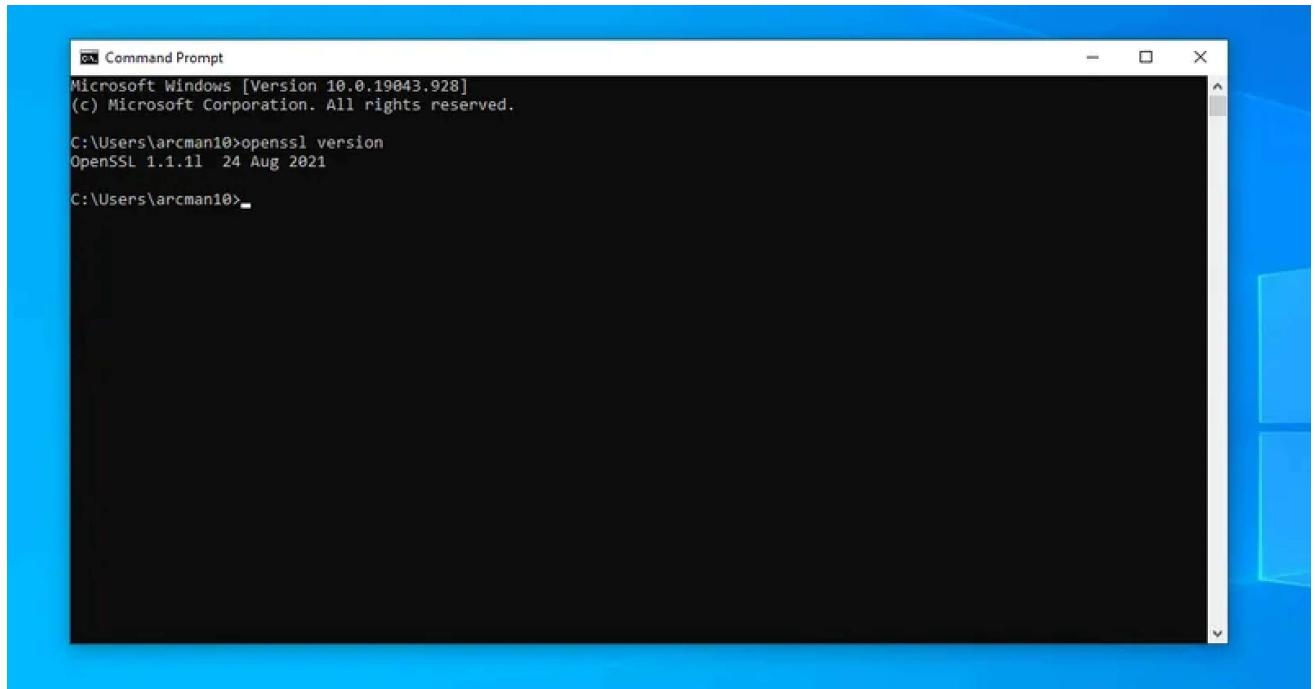
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## OpenSSL

In the command prompt using '**Windows**' + 'r' then type '**cmd**' to open command prompt.

Type **openssl version** command on CLI to ensure OpenSSL is installed and configured on your Windows machine. You should see the version information if OpenSSL is configured correctly.



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## About the author



### Arun KL

To know more about me. Follow me on LinkedIn Hi All, I am Arun KL, an IT Security Professional. Founder of "[thesecmaster.com](http://thesecmaster.com)". Enthusiast, Security Blogger, Technical Writer, Editor, Author at TheSecMaster. To know more

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