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How To Install OpenSSL on Windows

Written by Rahul, Updated on September 7, 2019

 Windows Tutorials | Openssl, windows |

 Experimente

OpenSSL is a full-featured toolkit for the Transport Layer Security (TLS) and Secure Sockets Layer (SSL) protocols. It is licensed under an Apache-style license. This tutorial will help you to install OpenSSL on Windows operating systems.
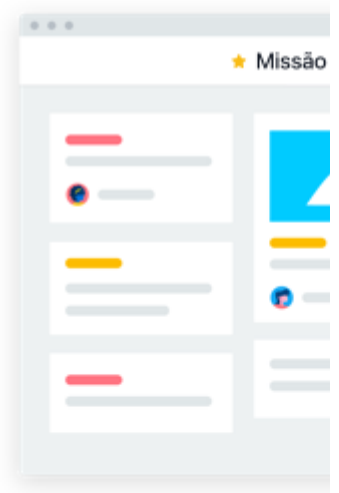
Step 1 – Download OpenSSL Binary

Download the latest OpenSSL windows installer from Official download page. The official download page link is given below:

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File	Type	Description
Win64 OpenSSL v1.1.1a Light EXE | MSI (experimental)	3MB Installer	Installs the most commonly used essentials of Win64 OpenS Only installs on 64-bit versions of Windows. Note that this i More information can be found in the legal agreement of the
Win64 OpenSSL v1.1.1a EXE | MSI (experimental)	43MB Installer	Installs Win64 OpenSSL v1.1.1a (Recommended for software versions of Windows. Note that this is a default build of Ope found in the legal agreement of the installation.
Win32 OpenSSL v1.1.1a Light EXE | MSI (experimental)	3MB Installer	Installs the most commonly used essentials of Win32 OpenS Windows. Note that this is a default build of OpenSSL and is the legal agreement of the installation.

Step 2 – Run OpenSSL Installer

Now run the OpenSSL installer on your system. The OpenSSL required Microsoft Visual C++ to be installed on your system. If your system doesn't have Microsoft Visual C++ installed, the installer will show your message like:
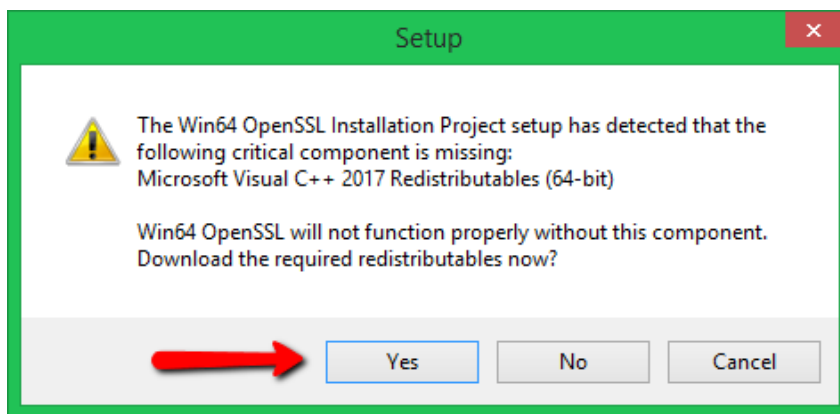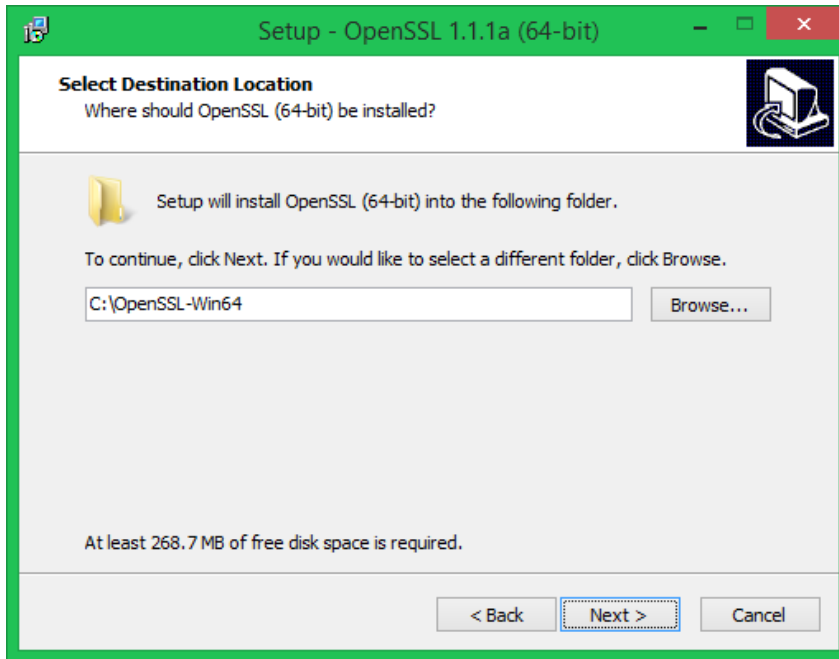

Click **Yes** to download and install required Microsoft Visual C++ package on your system.
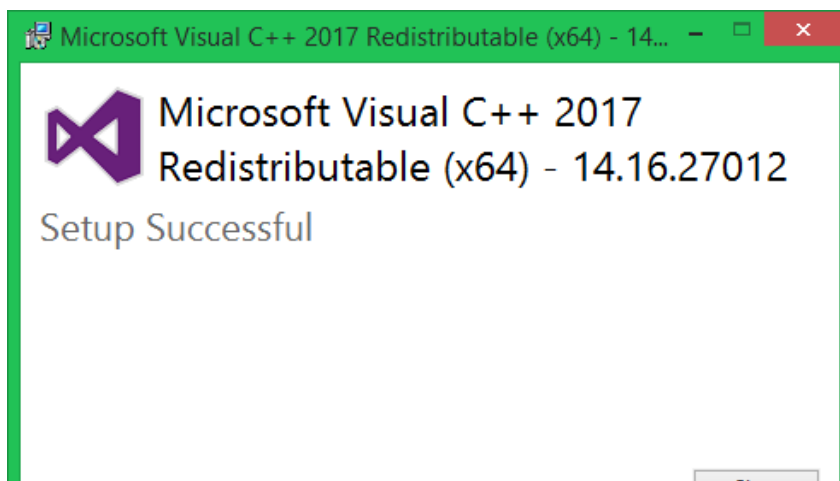
Then again run the OpenSSL installer and follow
the wizard.

Step 3 – Setup Environment Variables

Now set the environment variables to function
OpenSSL properly on your system. You are
required to set OPENSSL_CONF and Path
environment variables.

```
set OPENSSL_CONF=C:\OpenSSL-Win32\bin\openssl.cfg
set Path=......Other Values here......;C:\OpenSSL-W
```
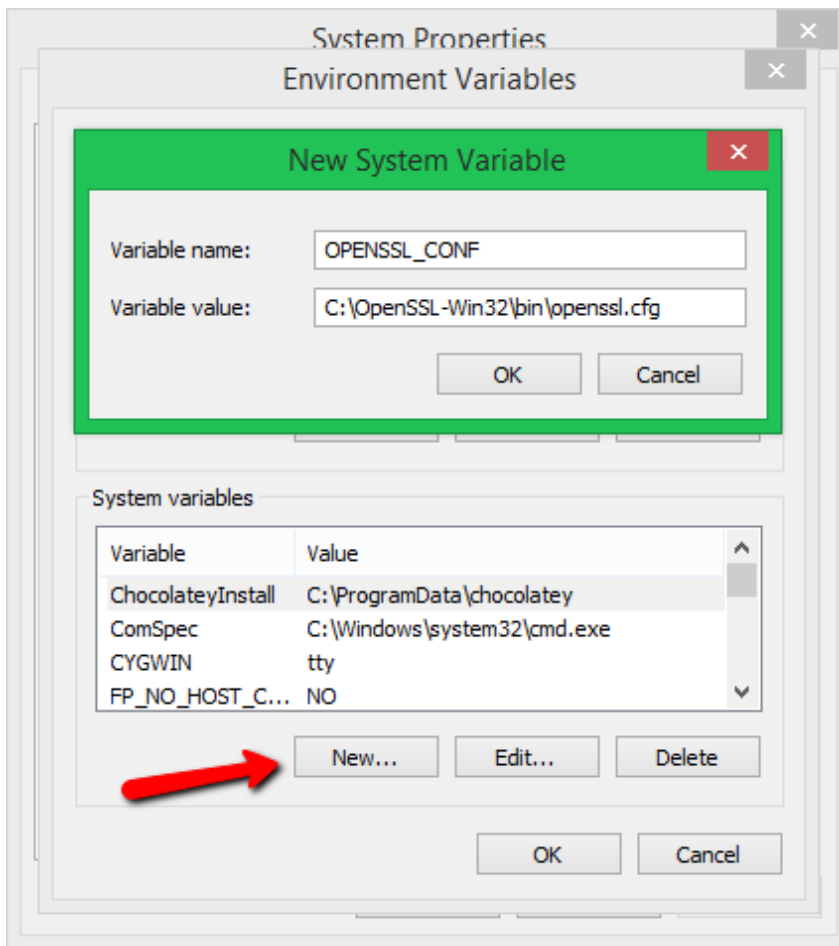
Set OPENSSL_CONF Variable:

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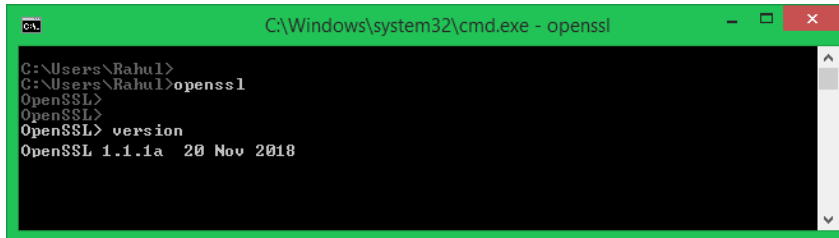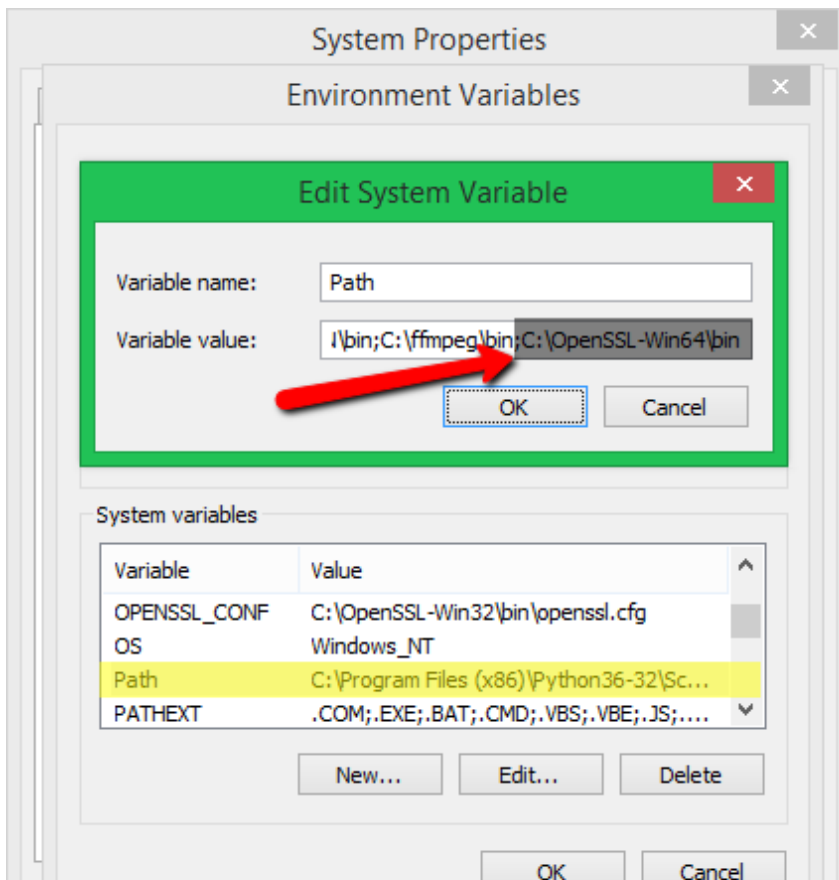

Set Path Variable:

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Step 4 – Run OpenSSL Binary

Open a command prompt and type **openssl** to get OpenSSL prompt. Then run version command on OpenSSL proper to view installed OpenSSL version.

```
C:\Users\Rahul>
C:\Users\Rahul>openssl
OpenSSL>
OpenSSL> version
OpenSSL 1.1.1a  20 Nov 2018
```

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RAHUL   f   🐦

I, Rahul Kumar am the founder and chief editor of TecAdmin.net. I am a Red Hat Certified Engineer (RHCE) and working as an IT professional since 2009..

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November 28, 2019 at 11:04 am

You must install in your website OpenSSL (secure socket layer) to secure your website and it's free its a toolkit for TLS TRANSPORT LAYER SECURITY, YOU JUST NEED TO DOWNLOAD AND INSTALL FOLLOWED BY JUST FEW STEP.

GILLIAN   ↩ REPLY TO GILLIAN

November 25, 2019 at 9:14 am

I am trying to follow this guide but it's not working. I keep getting 'The system cannot find the path specified.' – i'm running it from the cmd admin. I've added the new system variable, but I'm lost when adding the path variable. Originally I had C:\OpenSSL-Win64\bin as copied from a different tutorial, but I don't know what you mean other values here in this bit set Path=……Other Values here……;C:\OpenSSL-Win32\bin – I tried to follow the tutorial, but I don't know what I need to add.

RAHUL   ↩ REPLY TO RAHUL

November 25, 2019 at 10:07 am

Hi Gillian,

Other values mean existing values. Keep the existing values as it is. Only append the OpenSSL path to it.

GILLIAN   ↩ REPLY TO GILLIAN

↑

select path, then edit, i add C:\OpenSSL-Win64\bin to the bottom of the list? That's what I have done (from a different tutorial) but it's still not working. I am at my wits end trying to get this to work.

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