Step 1: Using git shell for windows
```
cd C:\Users\<your username>\Desktop
git clone https://github.com/wolfSSL/wolfssl.git
```

OR just download a distribution from our website (wolfssl.com → Download)

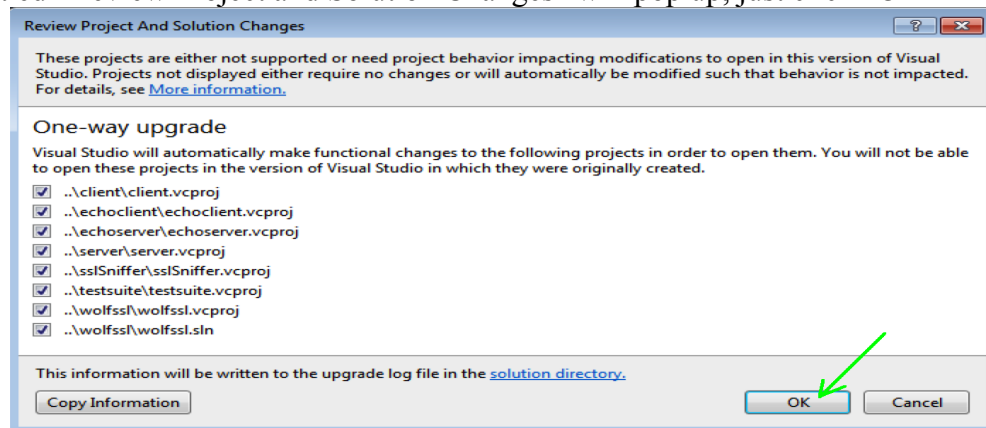Step 2: Start Microsoft Visual Studio
go to:
File → Open Project
Navigate to Desktop and find wolfssl directory double click
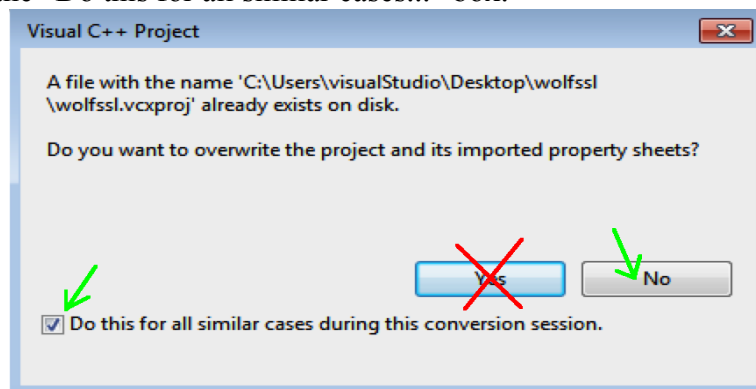Scroll to the bottom and locate "wolfssl.sln"
select it and click "Open"
A window titled "Review Project and Solution Changes" will pop up, just click "OK"

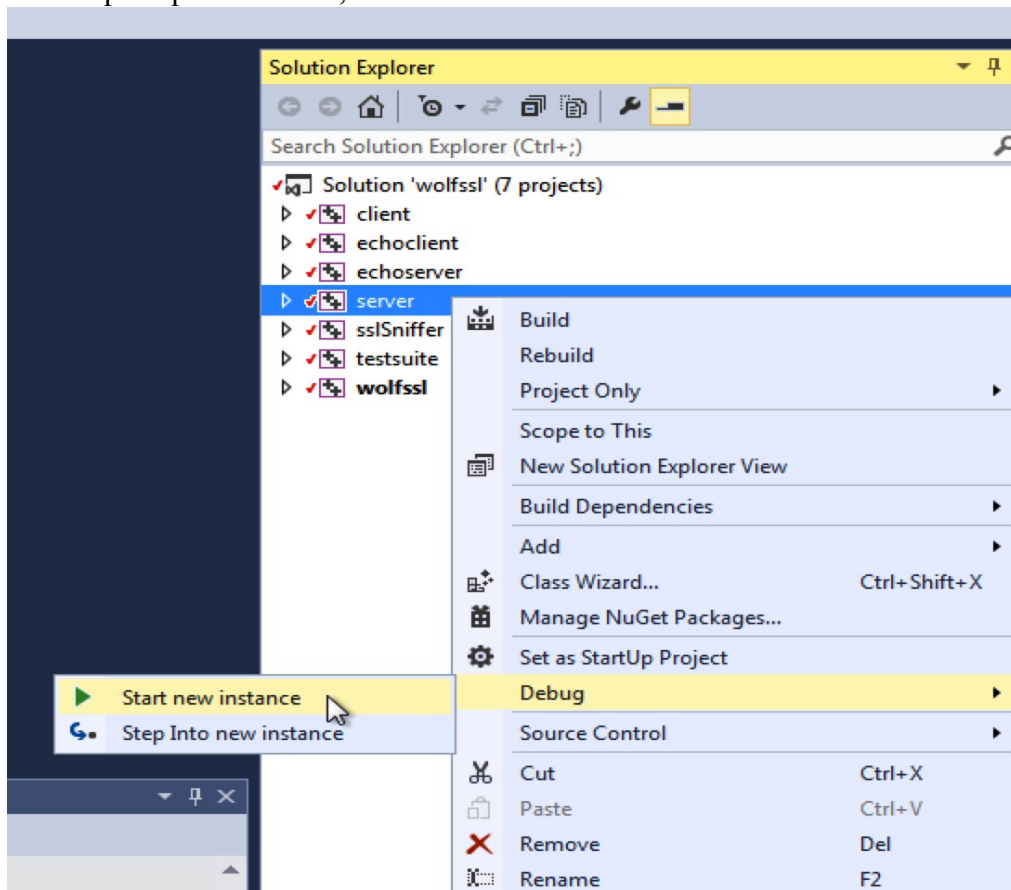Next You will see a window asking if you want to overwrite the project and it's imported property sheets. DO NOT select yes. If you do just delete the wolfssl directory on your desktop and start over by re-cloning the project from github.

Select No and check the "Do this for all similar cases..." box.

Review any changes you want and then close the browser window that opens.
Click "OK" on the dialogue in Visual studio.

Step 3: In the "Solution Explorer Window" (View → Solution Explorer)
    right-click on "server"
    scroll to "Debug" and select "Start New Instance"
    You will be prompted to Build, hit "Yes"

You should now see a black terminal window open with nothing in it. This is the server waiting for a client to send it a message.

Step 4: Open a second Visual Studio Instance from your start menu in windows
Repeat the steps from above:
File → Open Project
Locate wolfssl on the Desktop
Open wolfssl.sln
right-click the "client" this time
again select Debug → Start new instance
You will see the client receive a message from the server and then both terminal windows will close.

To see repeated talking right-click "echoserver" in one instance of VS, Debug → Start New Instance
Then in the other Visual studio instance right-click "echoclient" and Debug → Start New Instance

Now in the client terminal type a message and hit Enter. The echo server should "echo" the message back to you.
Type "quit" and hit enter to send the shutdown signal to the echoserver and both terminal windows will close.

wolfssl (Running) - Microsoft Visual Studio Express 2013 for Windows Desktop

FILE   EDIT   VIEW   PROJECT   BUILD   DEBUG   TEAM   TOOLS   TEST   WINDOW   HELP

Quick Launch (Ctrl+Q)

Kaleb J Himes

Continue   Debug   Win32

Process: [1984] echoclient.exe   Lifecycle Events   Thread: Stack Frame:

Search Solution Explorer (Ctrl+;)

Solution 'wolfssl' (7 projects)
- client
- echoclient
- echoserver
- server
- sslSniffer
- testsuite
- wolfssl

C:\Users\visualStudio\Desktop\wolfssl\Debug\echoserver.exe

```
hello

Hi I am a client
```

C:\Users\visualStudio\Desktop\wolfssl\Debug\echoclient.exe

```
hello
hello

Hi I am a client
Hi I am a client
```

Two Instances of
Visual Studio,
One running
server, One
running client

Locals

Name	Value

Lang

Locals   Watc   : Window

Ready

wolfssl (Running) - Microsoft Visual Studio Express 2013 for Windows Desktop

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4/22/2015