## 1. Unzip the folder Newman.zip

Unzip the folder to your Desktop, or wherever you like.

#### 2. Make sure that ATL is installed

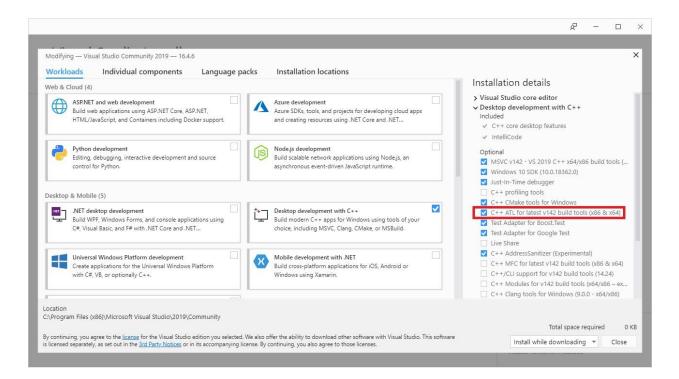
Open up Visual Studio Installer. To do this, go to your **Start**, then look for Visual Studio Installer.



After opening it, click **Modify**.

On the right side, under "Desktop Development with C++", make sure that C++ ATL for latest v142 build tools is checked.

If it wasn't checked, then check and install it.



# 3. Open the command window

Go to Search, or hit Windows Key+R and type cmd to open the command window.

### 4. Find the full path to your cmake application

The usual path, if your VS installation is the default, is C:\Program Files (x86)\Microsoft Visual

Studio\2019\Community\Common7\IDE\CommonExtensions\Microsoft\CMake\CMake\CMake\bin\cmake.exe

If you can't find it there, open a CMakeLists.txt file in Visual Studio 2019 and then go to "CMake Settings" to see where the variable CMAKE\_COMMAND points to. That is the path to your cmake.exe

#### 5. Switch back to the command window so we can start compiling

Go to the command window and navigate to the Newman folder where you unzip the downloaded .zip file from my Github. You can navigate to there using the **cd** command.

```
Microsoft Windows [Version 10.0.18363.657]
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\Eron>cd Desktop\Newman\Newman
 :\Users\Eron\Desktop\Newman\Newman>dir
 Volume in drive C has no label.
Volume Serial Number is 4C9C-1FF0
 Directory of C:\Users\Eron\Desktop\Newman\Newman
03/14/2020 12:39 AM
                          <DIR>
03/14/2020
             12:39 AM
03/14/2020
             12:39 AM
                                           Base64
03/13/2020
            11:52 PM
                                    1,003 CMakeLists.txt
03/14/2020
             12:39 AM
                          <DIR>
                                           Hash
03/14/2020
            12:39 AM
                                           LibreSSL
                                    1,059 LICENSE.txt
03/13/2020
            11:00 PM
                          <DIR>
03/14/2020
            12:39 AM
                                           MessageHeaders
03/13/2020
03/14/2020
                                    2,697 README.md
            11:00 PM
            12:39 AM
                          <DIR>
                                           Sasl
            12:39 AM
                                           Smtp
03/14/2020
                          <DIR>
03/14/2020
             12:39 AM
                                           SmtpAuth
             12:39 AM
03/14/2020
                          <DIR>
                                           src
03/14/2020
                                           StringExtensions
03/14/2020
            12:39 AM
                                           SystemAbstractions
03/14/2020
             12:39 AM
                                      432 test.eml
                          <DIR>
03/14/2020 12:39 AM
                                           T1sDecorator
                                     5,191 bytes
                4 File(s)
                           273,041,813,504 bytes free
               13 Dir(s)
```

After you are inside Newman folder and with the **dir** command displaying the same as above, create a new directory called **build** with the command: **mkdir build**. Then, enter this directory by typing **cd build**.

Now we will start building with cmake. For that, you will type the full path to your cmake.exe following two dots "..", like in the image below. You should get the same output. The command, in my case, is:

"C:\Program Files (x86)\Microsoft Visual Studio\2019\Community\Common7\IDE\CommonExtensions\Microsoft\CMake\CMake\bin\cmake.exe"..

Note that the double quote in the full path of cmake.exe is needed!!

```
E. Ubers/from (Desktop) Memoral Memoral Memorals of the Initial Collivers (From (Desktop) Memoral Memorals of the Initial Collivers (From (Desktop) Memoral Memorals of the Initial Collivers (From (Desktop) Memoral Memorals (Initial Collivers) (In
```

After completion of the previous command, now ask for cmake to build with the following command:

"C:\Program Files (x86)\Microsoft Visual Studio\2019\Community\Common7\IDE\CommonExtensions\Microsoft\CMake\CMake\bin\cmake.exe" --build . --config Release

The program should now compile. It will take some time.

```
C. Users I From District pillument Newman District ("Organs # Ilss c (88) Nicrosoft Visual Studio\N899\Commonty\Common\Nicrosoft\Onescore Nicrosoft\Onescore Nicrosof
```

## 6. Using the program

To use the program, you need both an .eml file containing the e-mail info and a .pem file containing an SSL certificate.

The .pem file can be found in Newman/LibreSSL/apps/openssl/cert.pem

The .eml file comes in Newman main folder, but some changes must be made. Also, you need an account in a working SMTP server. I recommend Mailgun.com. Create and account there and get your credentials so you can modify the .eml file as below.

```
<u>File Edit View Project Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q)</u>
🕝 🕨 Attach... 🕶 🎵 🚳 🚅 🔚 🎏 🗏 📜 🐧 🐧 🐧 👢
   test.eml ≠ X
            To: <bob@example.com>
         2 From: <tom@example.com>
            Subject: Test
        4 MIME-Version: 1.0
        5 Content-Type: text/plain; charset=utf-8
        6 Content-Transfer-Encoding: 7bit
        7 Content-Language: en-US
        8 X-SMTP-Server-Hostname: smtp.mailgun.org
            X-SMTP-Port: 465
       10 X-SMTP-Username: youremail@domain.com
11 X-SMTP-Password: your-huge-password
        13 This is a test!
        14 This was send using Newman, the latest and greatest
        15 e-mail delivery system from the awesome programmer, Rhymu!
            Have a great day!
```

Move both files to Newman\build\Release.

Then, all you need to do is go to the command line, navigate to folder Newman\build\Release and type the command:

Newman email.eml cert.pem

```
C:\Users\Eron\Desktop\Newman-master\Newman\build\Release>Newman.exe test.eml cert.pem
[0.03339] Newman:] Connecting to SMTP server.
[0.178867 Newman:] Connected to SMTP server.
[0.478766 Smtp:1] S: 220 ak47 ESMTP ready
[0.476390 Smtp:1] S: 220 ak47 ESMTP ready
[0.476390 Smtp:1] S: 250-ak47
[0.622367 Smtp:1] S: 250-ak47
[0.623151 Smtp:1] S: 250-BITAIN LOGIN
[0.62368 Smtp:1] S: 250-BITAINE
[0.62369 Smtp:1] S: 250-BITAINE
[0.62369 Smtp:1] S: 250-BITAINE
[0.626765 Smtphith:] S: 250-BITAINE
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[0.626765 Smtphith:] S: 250-BITAINE
[0.6297 Smtph
```