IXCHARIOT – INSTALLATION GUIDE

Bell Canada; ATL Lab

Bell

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Revisions

Version	Primary Author(s)	Description of Version	Date Completed
0.1	Arijit Saha	First Draft version	

Review & Approval

Requirements Document Approval History

Approving Party	Version Approved	Signature	Date

Requirements Document Review History

Reviewer	Version Reviewed	Signature	Date

Contents

1. Installing WinRAR

1. Click on the link below to download:
   https://www.win-rar.com/start.html?&L=0
2. Run the installer.
3. Accept the license agreement by clicking on the Install button.
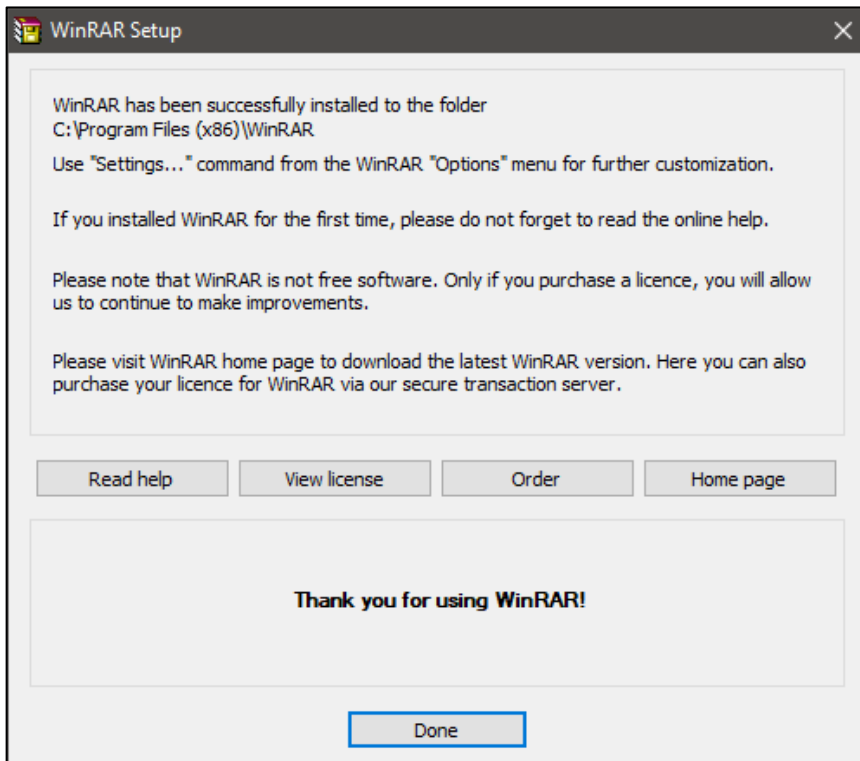
4. It will start to install.
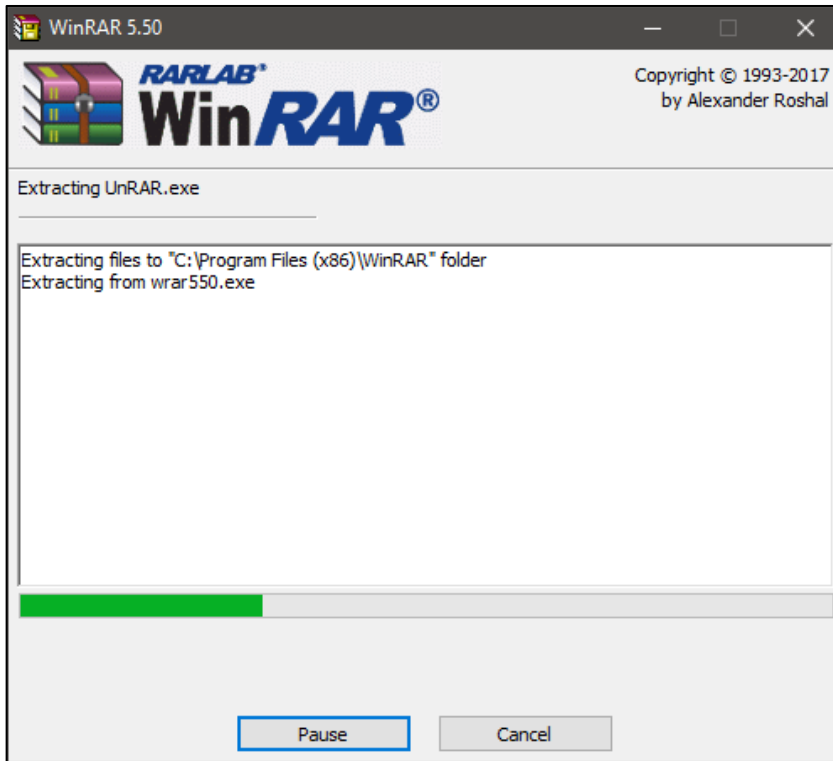
5. Select the types of zipping extensions and click Ok.
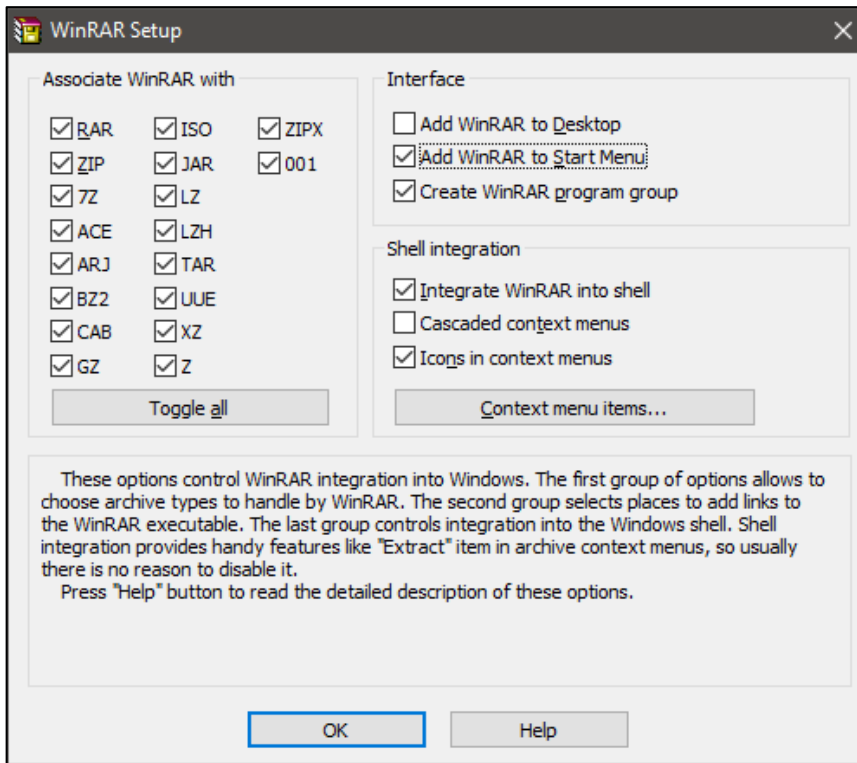
6. Once the installation is successfully completed, click on the Done button.

2. Installing Python

1. The user has to download Python 2.7.9 and above.

2. To download Python, click on the link below:

   https://www.python.org/downloads/release/python-279/

3. The user has to download the installer file based on the requirement of OS.

Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		5eebcaa0030dc4061156d3429657fb83	16657930	SIG
XZ compressed source tarball	Source release		38d530f7efc373d64a8fb1637e3baaa7	12164712	SIG
Mac OS X 32-bit i386/PPC installer	Mac OS X	for Mac OS X 10.5 and later	8d8a26fed767302ff38bc5056612c73a	23759976	SIG
Mac OS X 64-bit/32-bit installer	Mac OS X	for Mac OS X 10.6 and later	307c2b99a212204e7a1182a354328e94	22006891	SIG
Windows debug information files	Windows		c5838ec1cdd529a7065902c7573d1607	25969730	
Windows debug information files for 64-bit binaries	Windows		544e1137e8ecdce4f4cd2954ea520fa7	23979074	
Windows help file	Windows		dd438e999824c48001e54a2138c4f455	6120616	
Windows x86-64 MSI installer	Windows	for AMD64/EM64T/x64	21ee51a9f44b7160cb6fc68e29a1ddd0	18833408	
Windows x86 MSI installer	Windows		3ed20d8b06dcd339f814b38861f88fc9	18309120	

4. Run the installer.

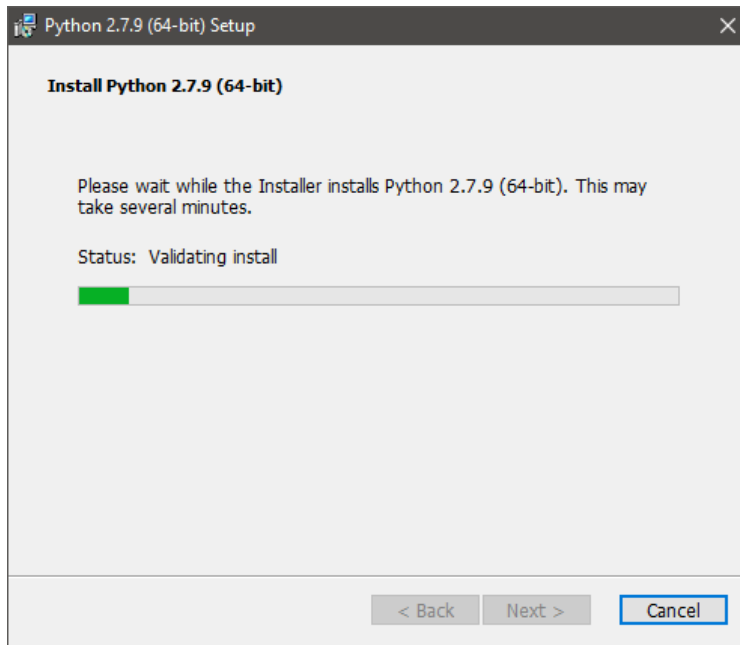5. Select "Install for all users" and click on the Next button to continue.
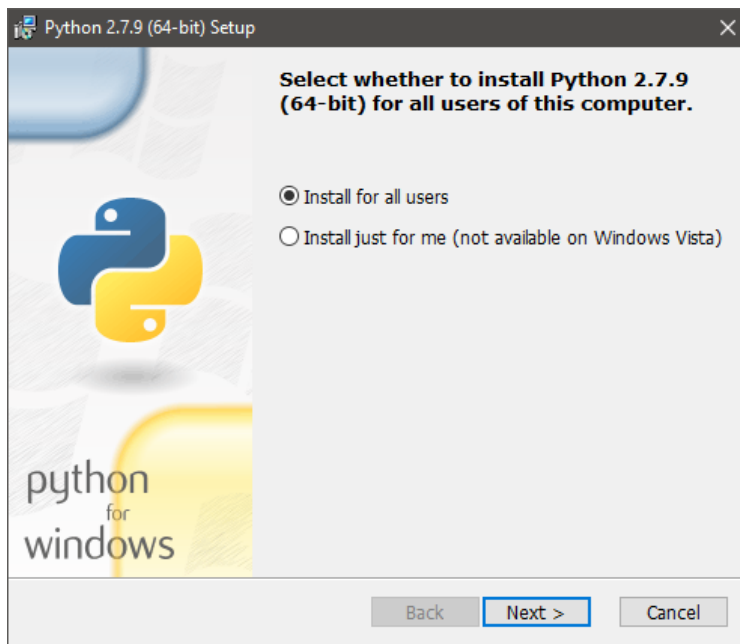
6. On the directory selection screen, keep the installation directory as "**C:\Python27**" and click "**Next**.".
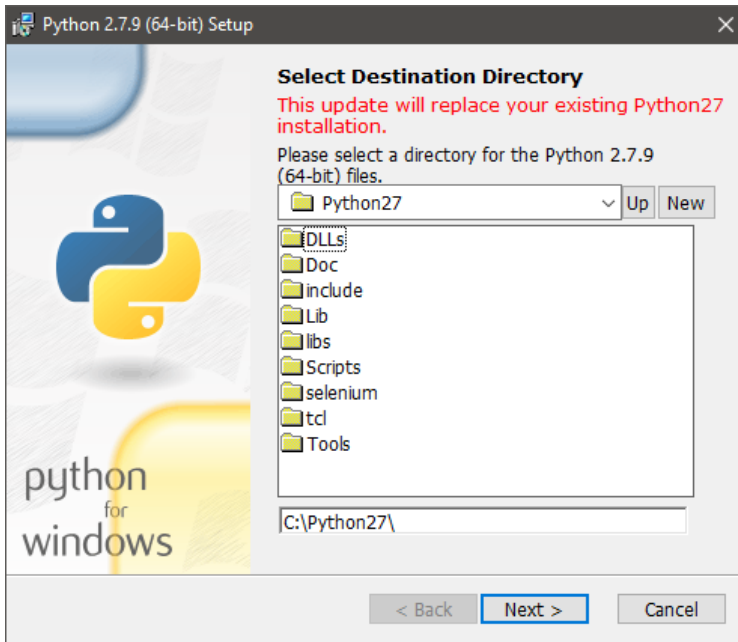
7. On the customization screen, scroll down, to check the options for installing and then click "**Next**".

8. It will start to install. Wait till it is installed.

9. Click on the Close button after the it is installed successfully.

2.1 Setting up Environmental Variables and Path

1. Now the user has to set the path in the environmental variables of the system.

2. In order to set, Hit Start, type "advanced system settings," and then select the "View advanced system settings" option. In the "System Properties" window that opens, on the "Advanced" tab, click the "Environment Variables" button.

3. Open Start > Settings > Control Panel > System > Advanced > Environment Variables. There are User variables and System variables and the difference between them is that User variables affect only the current users, whereas System variables affect all users.
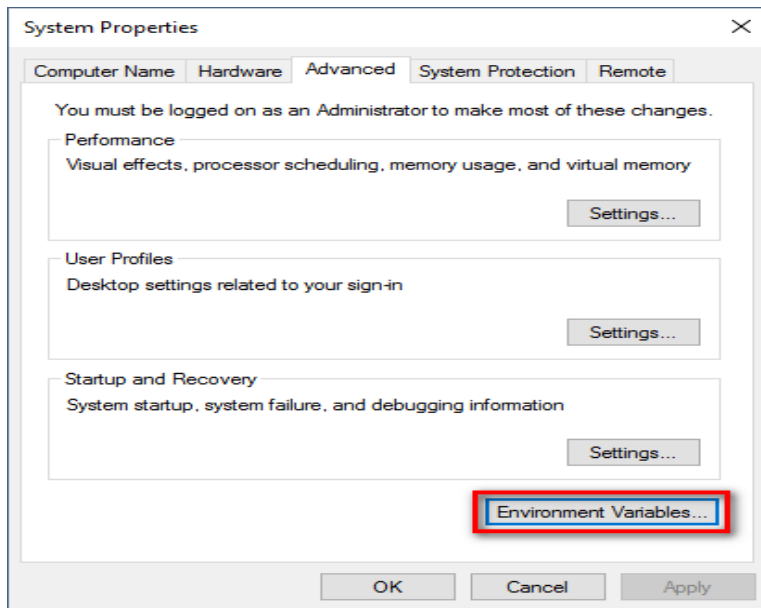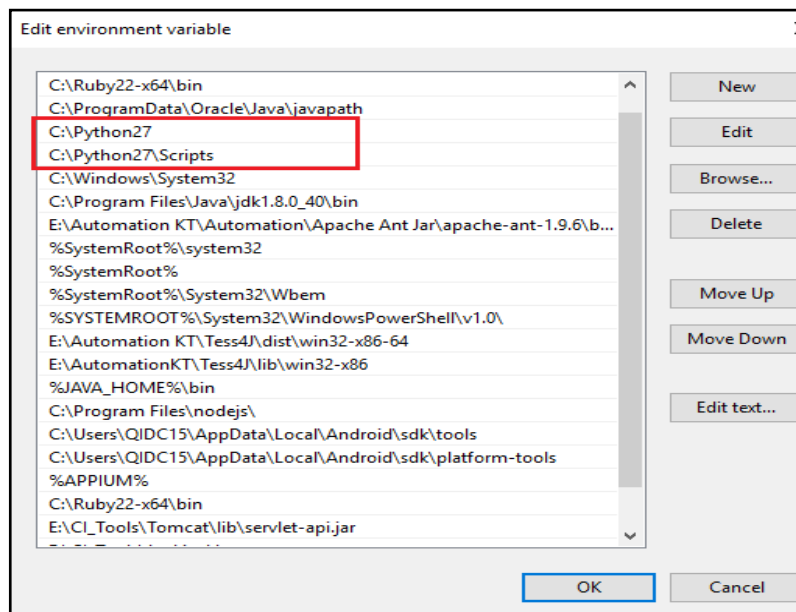

4. Find the "**Path**" variable under "**System Variables**" and select it.
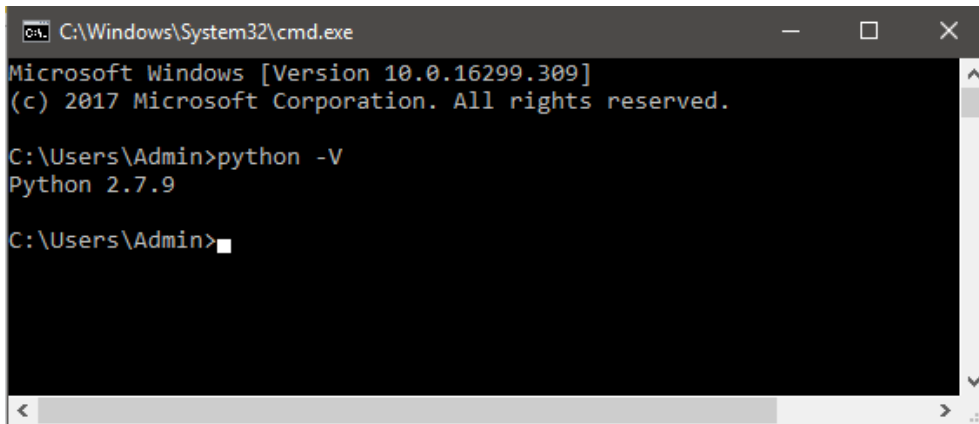
5. After selection, click "**Edit**". A window will open for where the path variables will be listed. Adding new path variable and editing existing variables can be done.
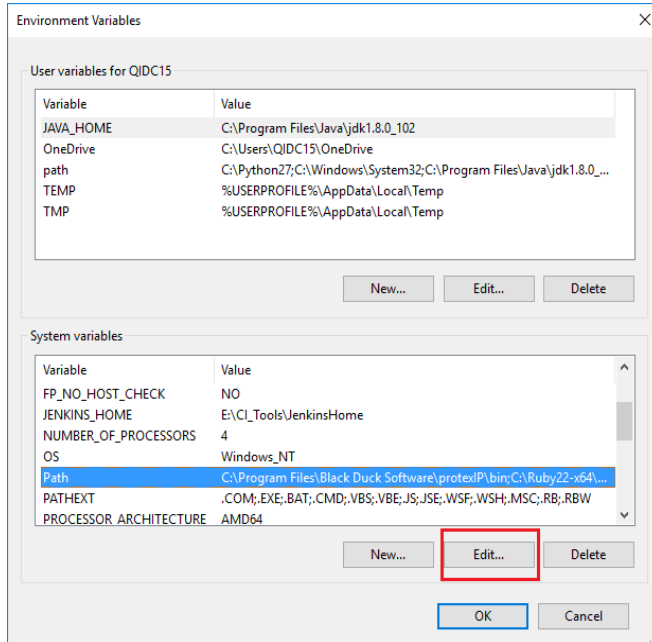
6. Click "**New**" button and enter data in the format

    Enter "**C:\Python27**".

    Again click "**New**" and enter "**C:\Python27\Scripts**".

    Click "**Ok**".

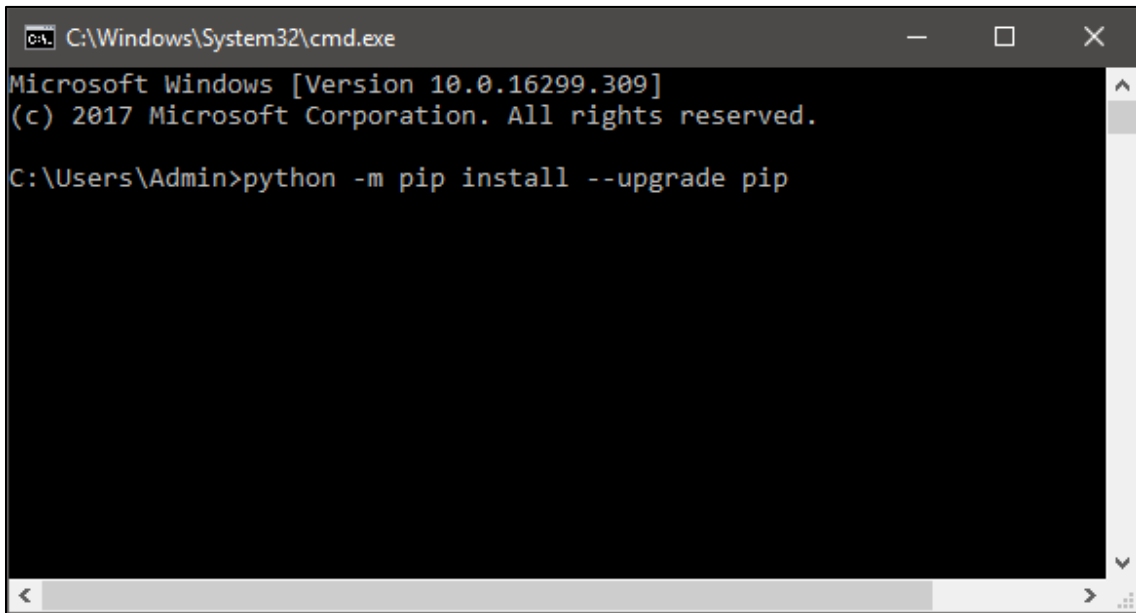7. From command prompt, type "`python -V`" to make sure that Python has been installed properly.

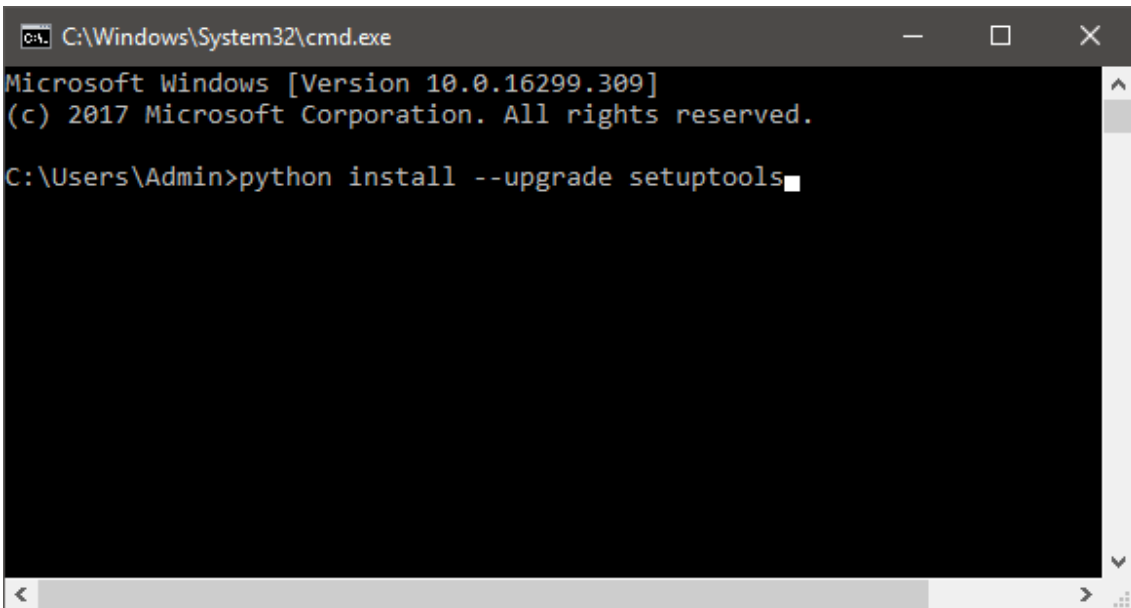

2.2   Updation of PIP and Setup Tools

1   To update the PIP and setup tools, open a command prompt.

2   Now enter the command as "`python -m pip install --upgrade pip`" and press
     Enter.

```
C:\Windows\System32\cmd.exe                                   —    □    ×

Microsoft Windows [Version 10.0.16299.309]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Admin>python -m pip install --upgrade pip
```

3   After updating of Pip, in the same command prompt enter the command "`python
     install --upgrade setuptools`" and press Enter.

```
C:\Windows\System32\cmd.exe                                   —    □    ×

Microsoft Windows [Version 10.0.16299.309]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Admin>python install --upgrade setuptools
```

3. Install wxPython 2.8.12.1

wxPython is a **GUI toolkit** for the Python programming language. It allows Python programmers to create programs with a robust, highly functional graphical user interface, simply and easily. It is implemented as a Python extension module (native code) that wraps the popular wxWidgets cross platform GUI library. Following section describes the process to install the wxPython and the specific version supported.

1. Download the wxPython installer from
   https://sourceforge.net/projects/wxpython/files/wxPython/2.8.12.1/

2. Open the link and click on "**wxPython2.8-win64-unicode-2.8.12.1-py27.exe**"

| Name	Modified	Size	Downloads / Week	
↰ Parent folder				
wxwidgets2.8_2.8.12.1.orig.tar.gz	2011-07-25	32.6 MB	65 ▭	ⓘ
wxPython2.8-win64-unicode-2.8.12.1-py27.exe	2011-07-25	11.7 MB	774 ◼	ⓘ
wxPython2.8-win64-unicode-2.8.12.1-py26.exe	2011-07-25	11.7 MB	35 ▭	ⓘ
wxPython2.8-win64-devel-2.8.12.1-msvc9x64.tar.bz2	2011-07-25	7.2 MB	12 ▭	ⓘ
wxPython2.8-win32-unicode-2.8.12.1-py27.exe	2011-07-25	11.4 MB	1,069 ◼	ⓘ
wxPython2.8-win32-unicode-2.8.12.1-py26.exe	2011-07-25	11.4 MB	17 ▭	ⓘ
wxPython2.8-win32-docs-demos-2.8.12.1.exe	2011-07-25	7.8 MB	4 ▭	ⓘ
wxPython2.8-win32-devel-2.8.12.1-msvc9.tar.bz2	2011-07-25	10.8 MB	2 ▭	ⓘ
wxPython2.8-win32-ansi-2.8.12.1-py27.exe	2011-07-25	11.3 MB	10 ▭	ⓘ

3. Run the installer and click "**Next**" to continue the setup.
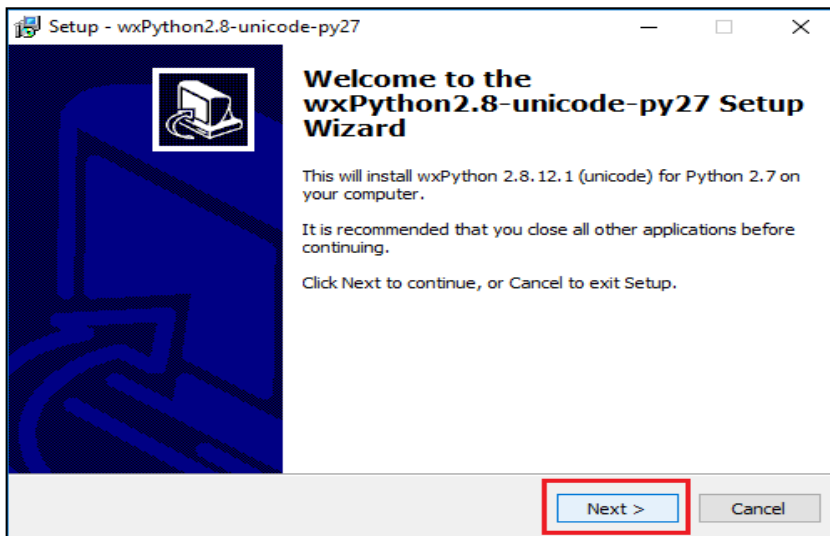
4. In the window, click on radio button to accept the terms of agreement.
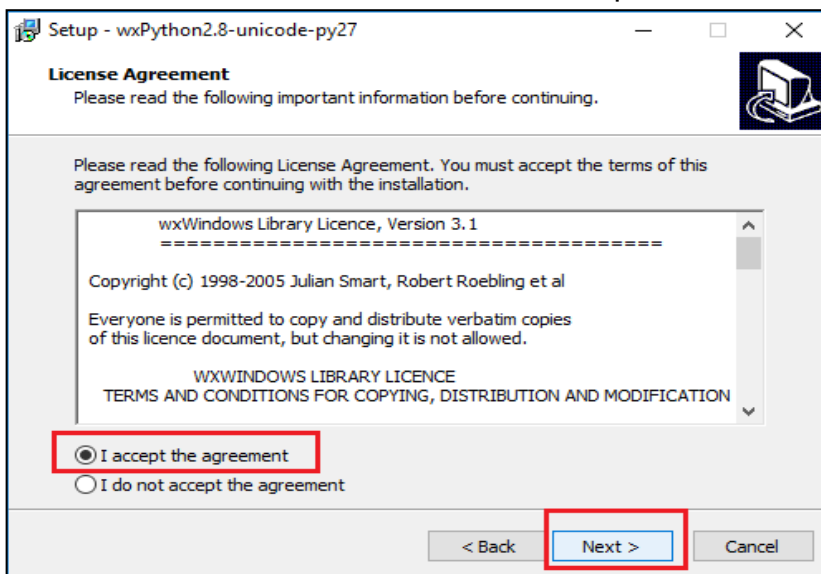
5. Click "**Next**" after keeping the default directory "**C:\Python27\Lib\siti-packages**" chosen for the installation for this program.
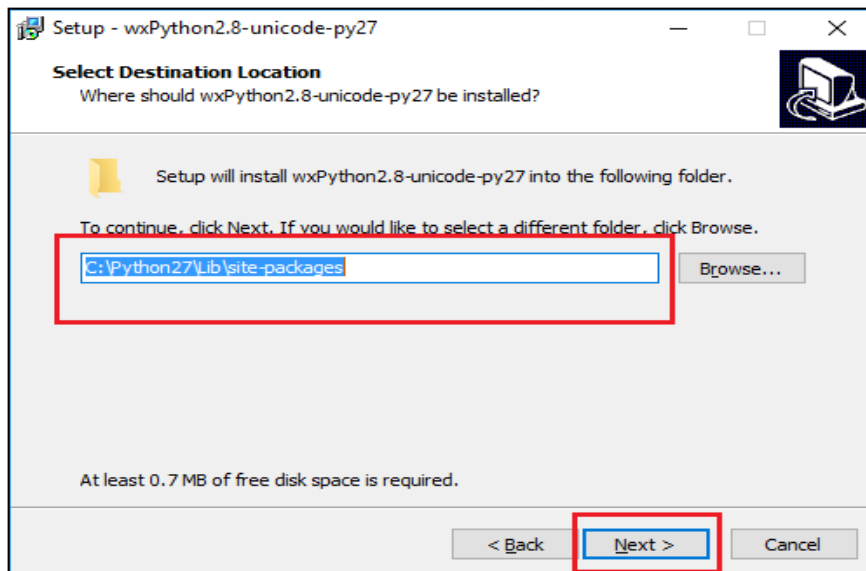
6. Click on "Next" after selecting "**Full Installation**" from the drop down and selecting the checkbox for "**Make this install be the default wxPython**".
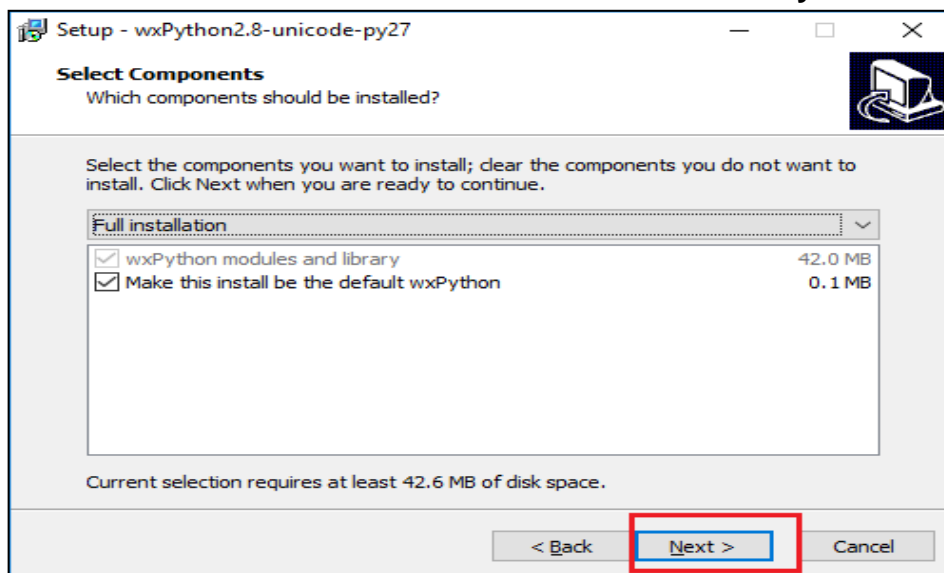

7. The installation process will follow and complete after this.

   A command line interface will open and the installation will continue.

   If the "**ReadMe.txt**" file is open, then close it.

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4. WebAPI

1. The user has to login into the IxChariot website using their credentials.

2. Then on the top right-hand side, click on the settings icon.

3. Under the settings, click on the Help button.
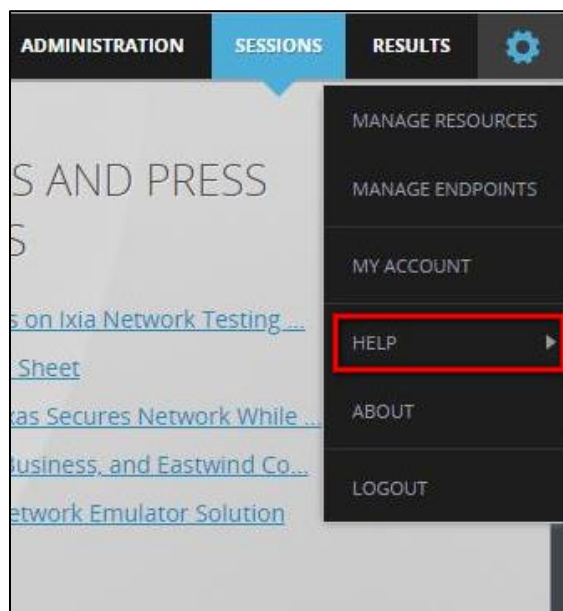
4. From the dropdown, click on the Python API Libraries.
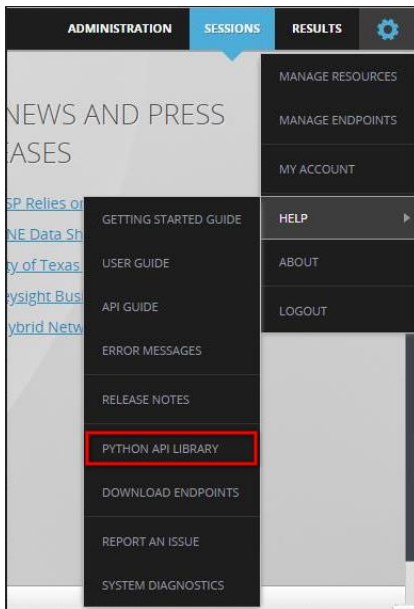
5. The file will get downloaded in the defaults download folder in the form of zip file.

6. Unzip the file and store the folder under the C: drive with the folder name as **WebAPI**.
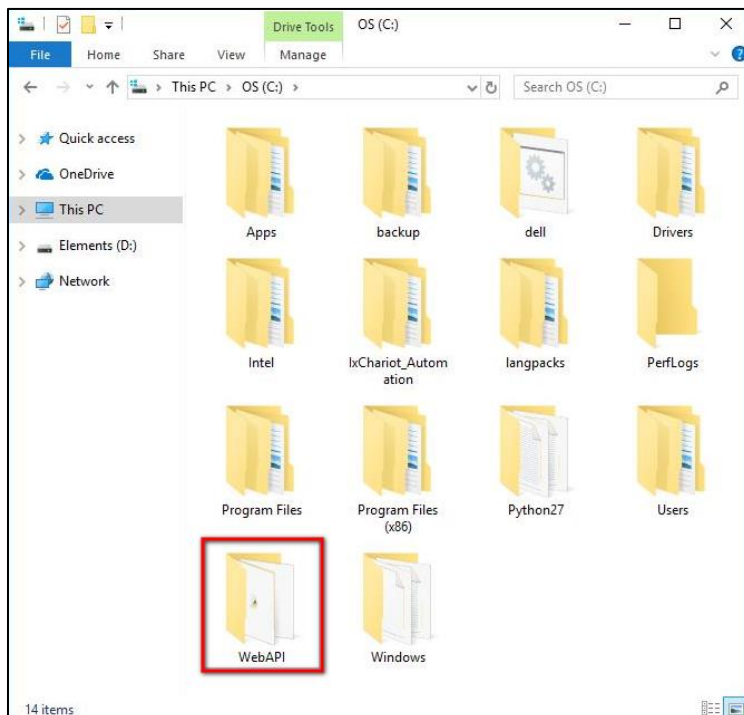
7. Now set the path in the environmental variables of the system settings.
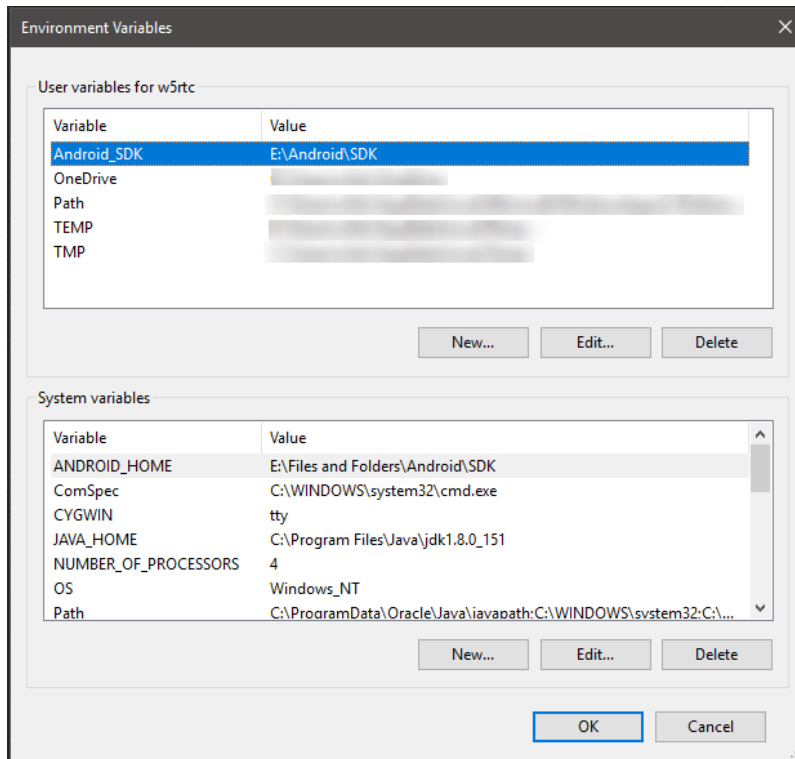
8. Click on the new button under the **System Variables** and enter the variable name as **PYTHONPATH** and variable value as "**C:/WebAPI**".
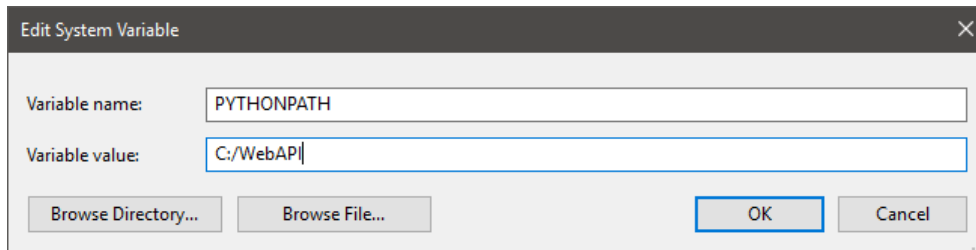
9. After setting the path for **PYTHONPATH**, click on the Ok button.

5. Starting the Project

   The user has to unzip the downloaded file and save the folder in the **C: drive**.
   Note: The installation process of WinRAR which is used to unzip is mentioned in the
   Installation Manual.

1. The user can find the zip file in the defaults **Downloads** folder.
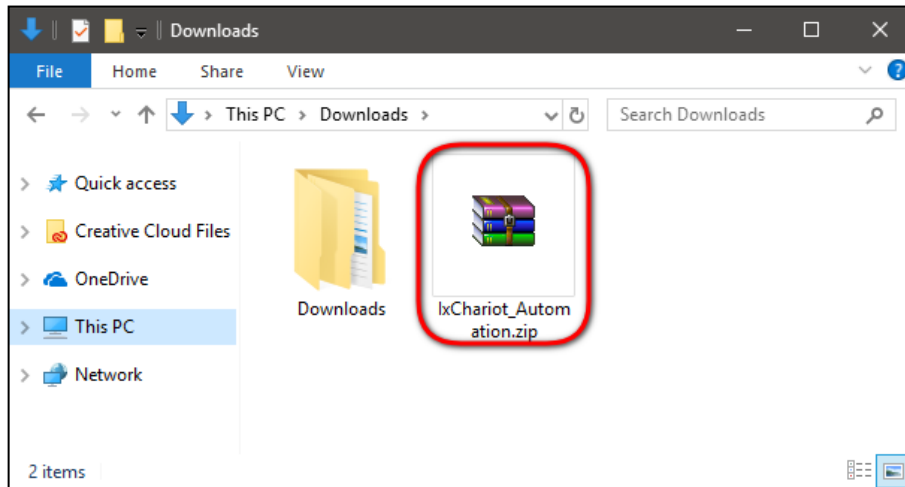
2. To unzip the file, right click on the file.
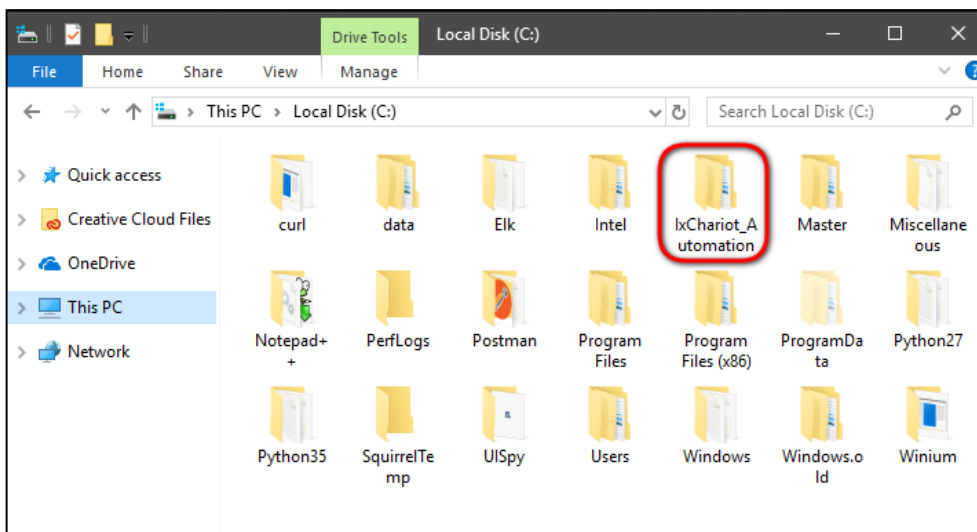3. From the dropdown, select **Extract files**.
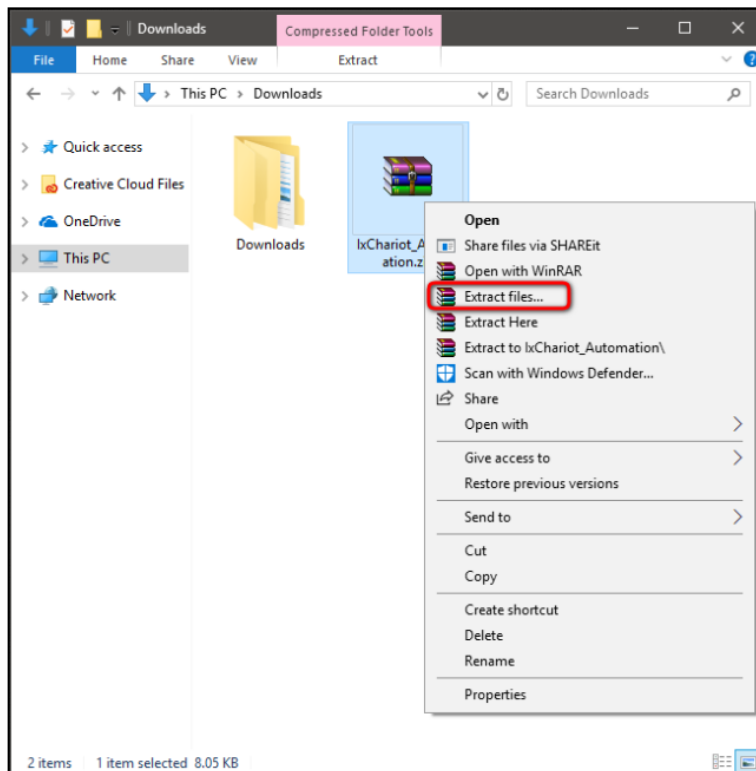
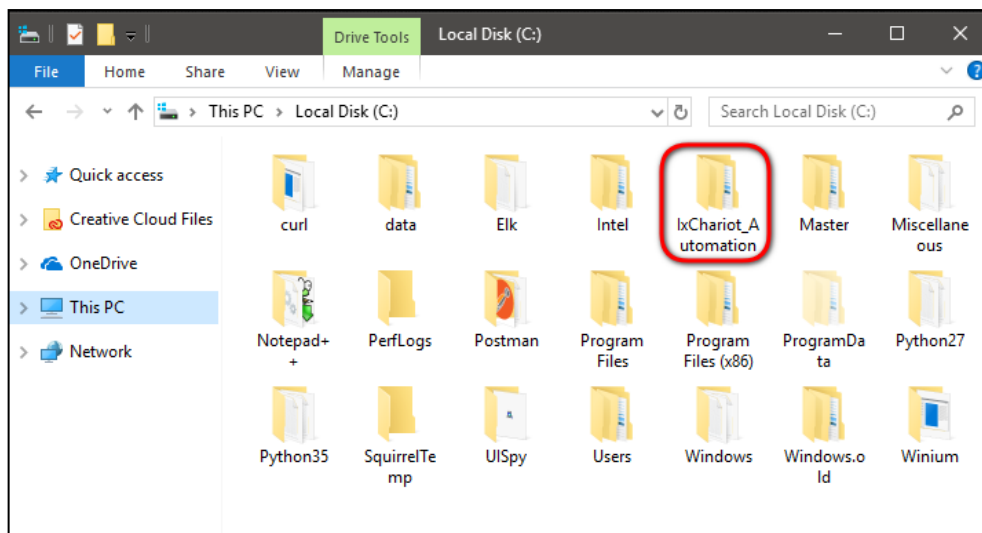4. A pop up window will come up.
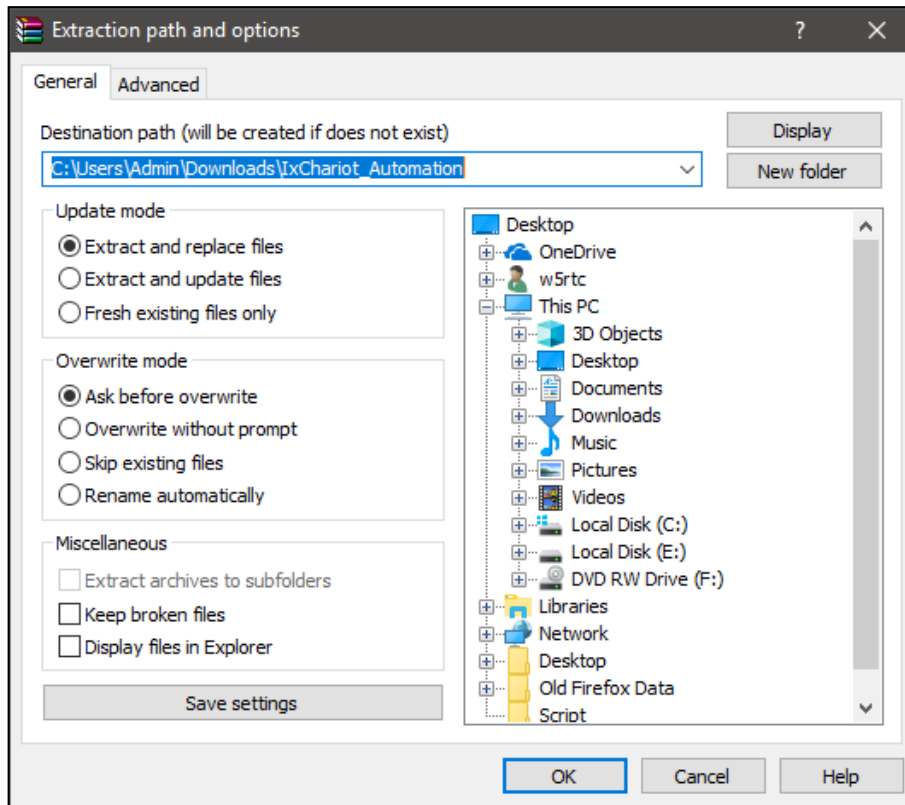
5. Choose the **C: drive** and click on the Ok button.
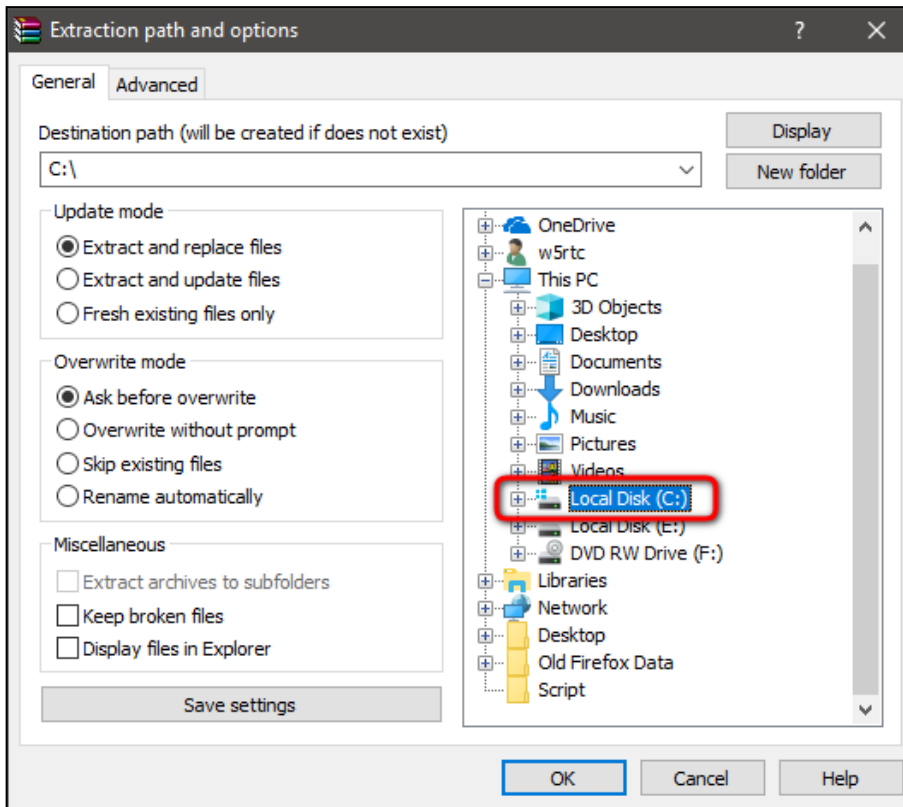
6. Then it will start the unzipping process.
7. After the completion, the user will find a folder with the name **IxChariot_Automation** in the **C: drive**.
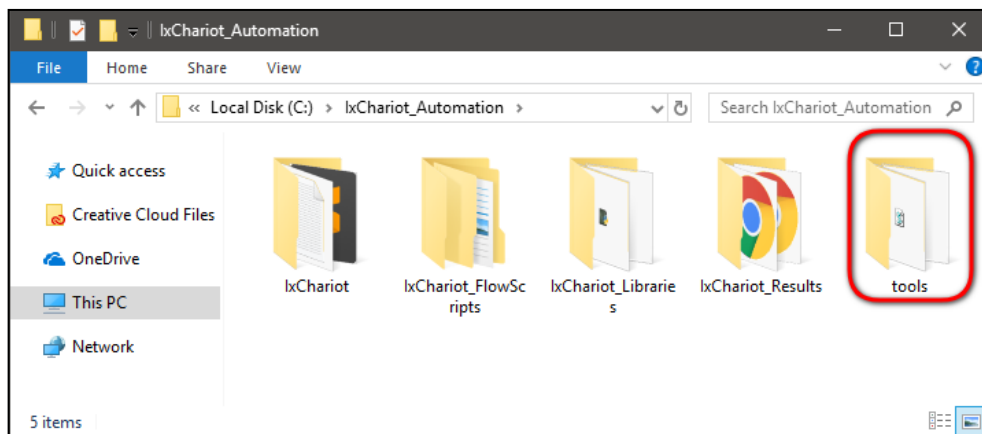
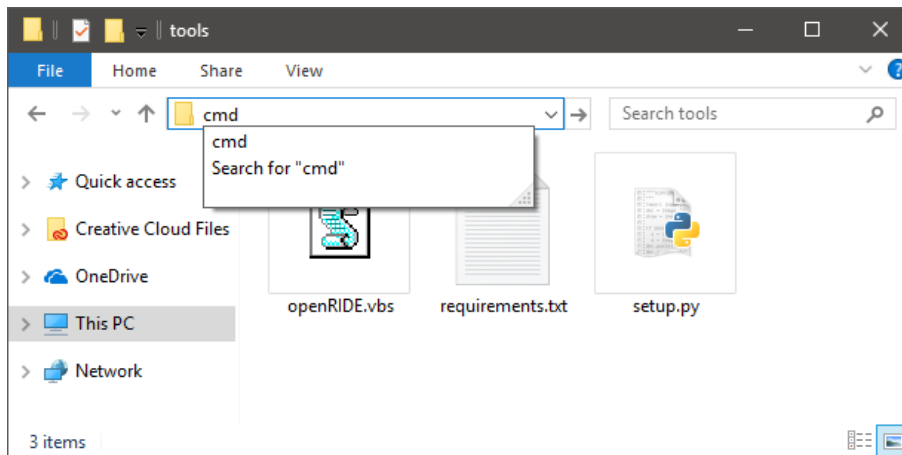## 6. Installing the Requirements

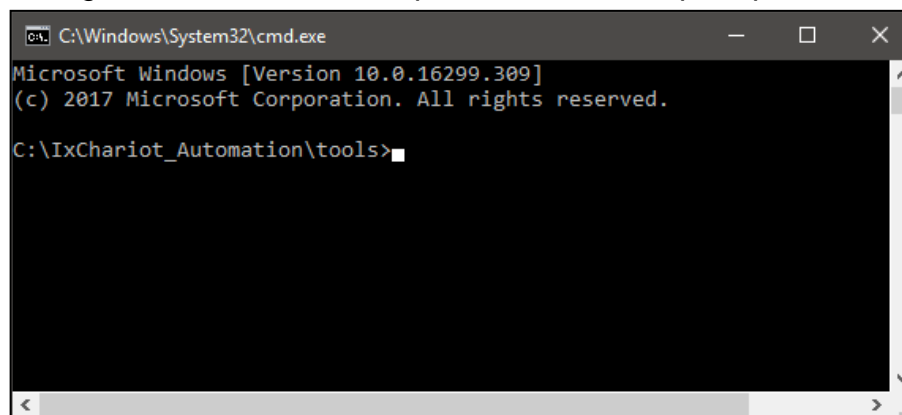1. Go to the folder of **IxChariot_Automation** under **C:** drive.

2. Under the IxChariot_Automation folder, the user will find tools folder, click and open.
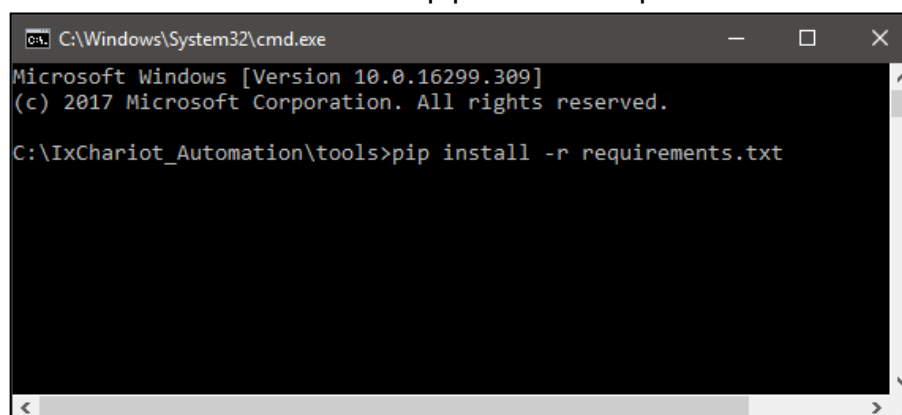
3. In the URL bar, type the command as "cmd" and press Enter.

4. Giving the command, it will open the command prompt.

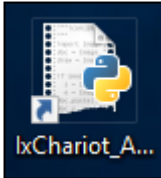5. Then enter the command as "pip install -r requirements.txt" and press Enter.

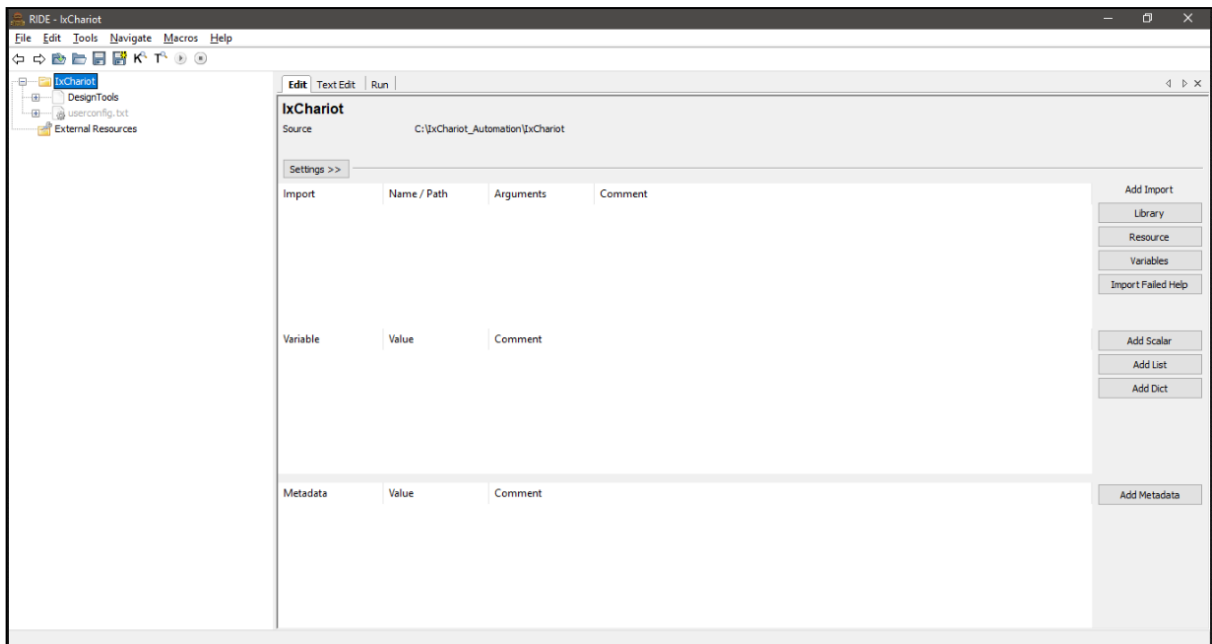6. Wait till the installation process is complete.

7. Open RIDE GUI

In order to view and execute the test cases, the user needs to open the RIDE GUI from the shortcut named "ROBOT Automation RIDE" which is present on the Desktop.

1. Double click on the shortcut icon to open the RIDE GUI.


2. RIDE GUI should open.

8. Load Project in RIDE

After the RIDE GUI opens, the user needs to load the project folder so that they get the view of the test case structure and the different test cases that are present for execution.
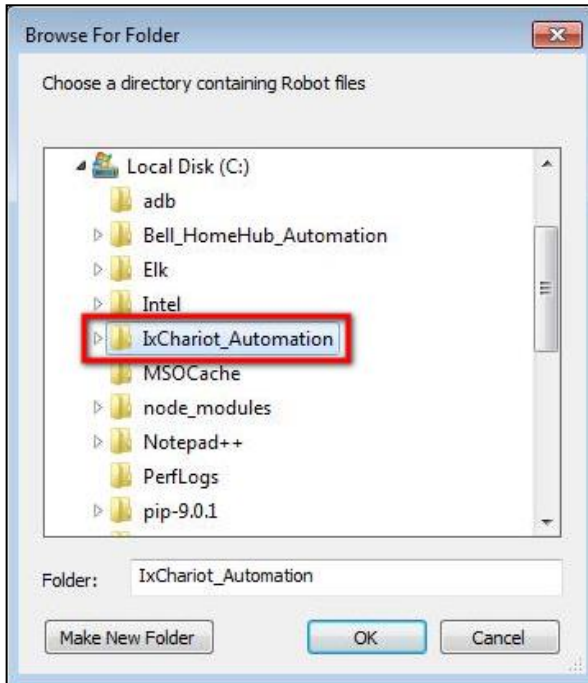
1. Now on the RIDE GUI, click on "File" and click on "Open Directory" to open the file system and choose the project to be loaded from local folder.
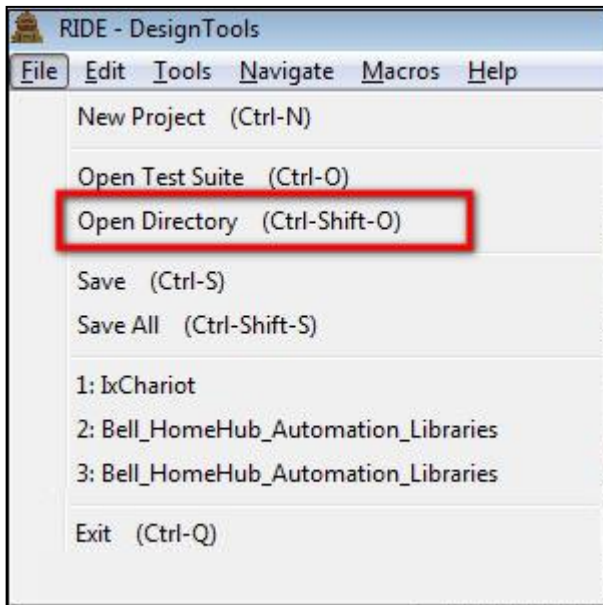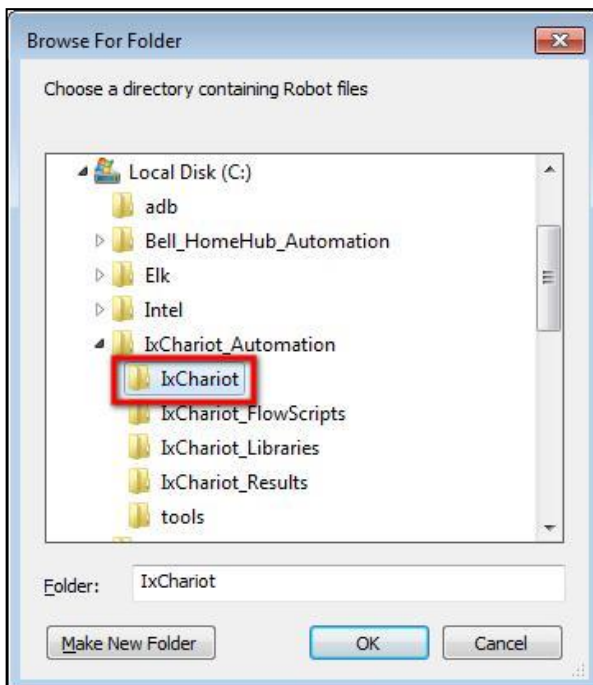

2. From the window that opens, click to expand the contents of drive "C:\".
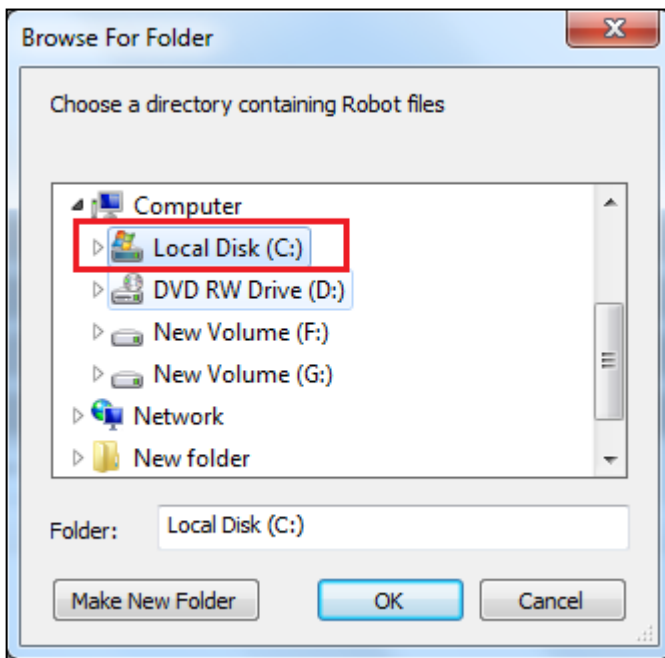
3. After the contents of the driver expand, click on "**IxChariot_Automation**" folder again to expand and show the contents.

4. As the folder contents expand, click on "IxChariot" folder to select.
    Click "Ok" button.

5. The RIDE GUI will have the contents loaded as shown.