# Rasa NLU & Core Installation

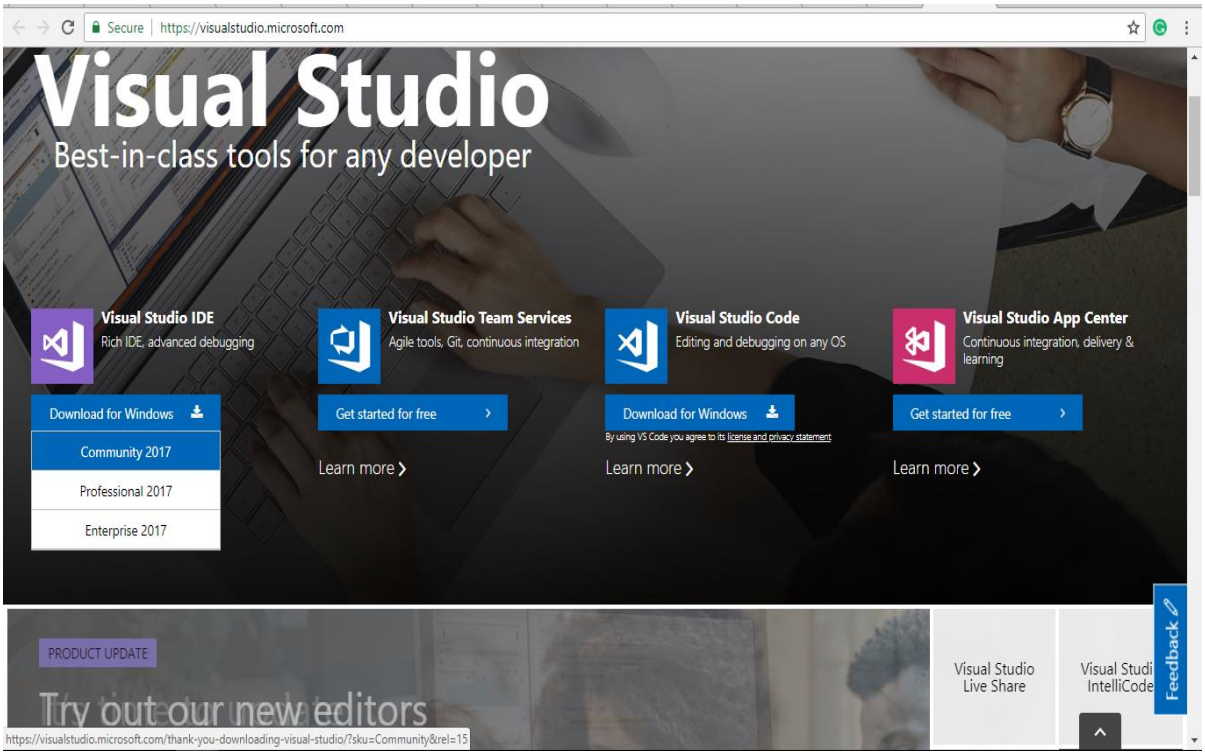
## Installation:

### Requirements:

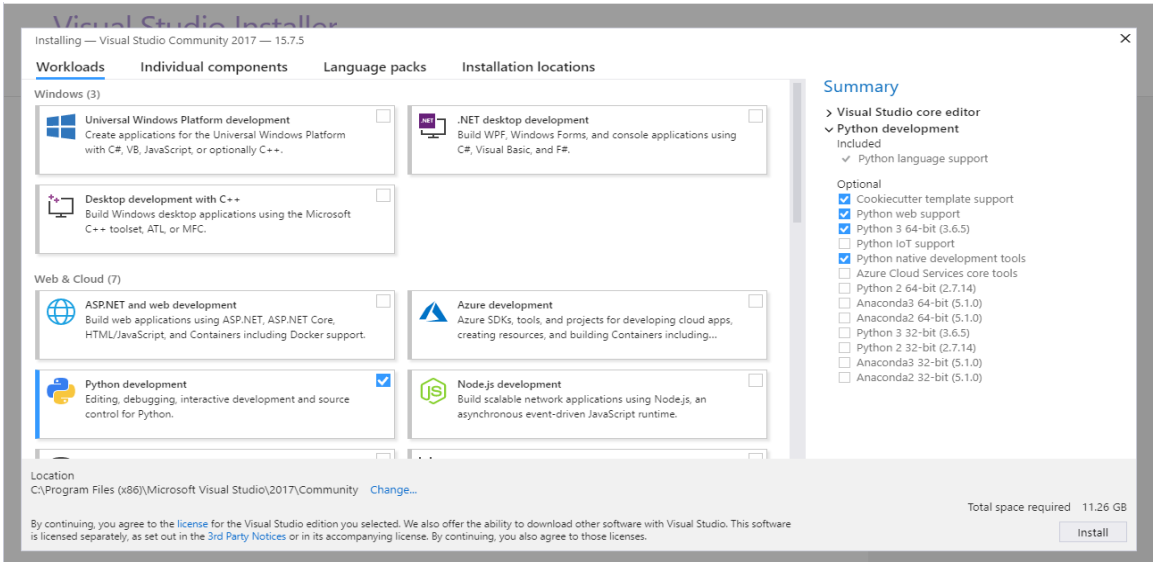
1. **Python 3.6.x (except 3.6.6)**
2. **Visual Studio:**

**For Windows:**

- Go the Microsoft Visual Studio link: https://visualstudio.microsoft.com/ Select the 'Visual Studio IDE' and from the dropdown, select the 'Community version 2017':

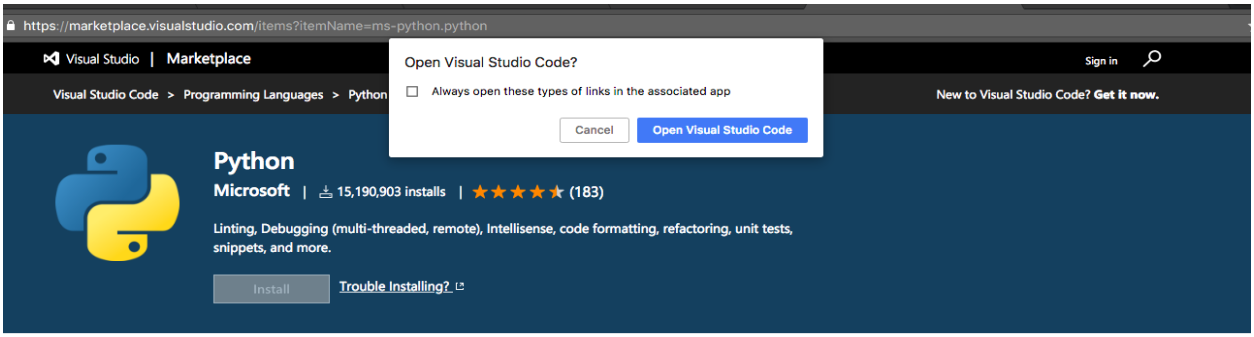


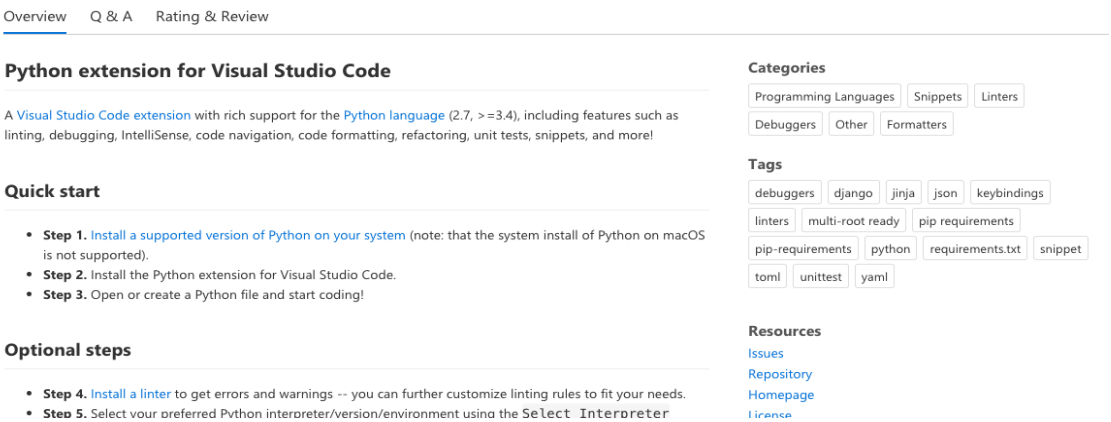

- Install the downloaded file. Once the Visual Studio is installed, select the **Python Development** under 'Web & Cloud' Environment. Also, on right side (Summary), in optional menu select the 'Python native development tools'. Click on install.



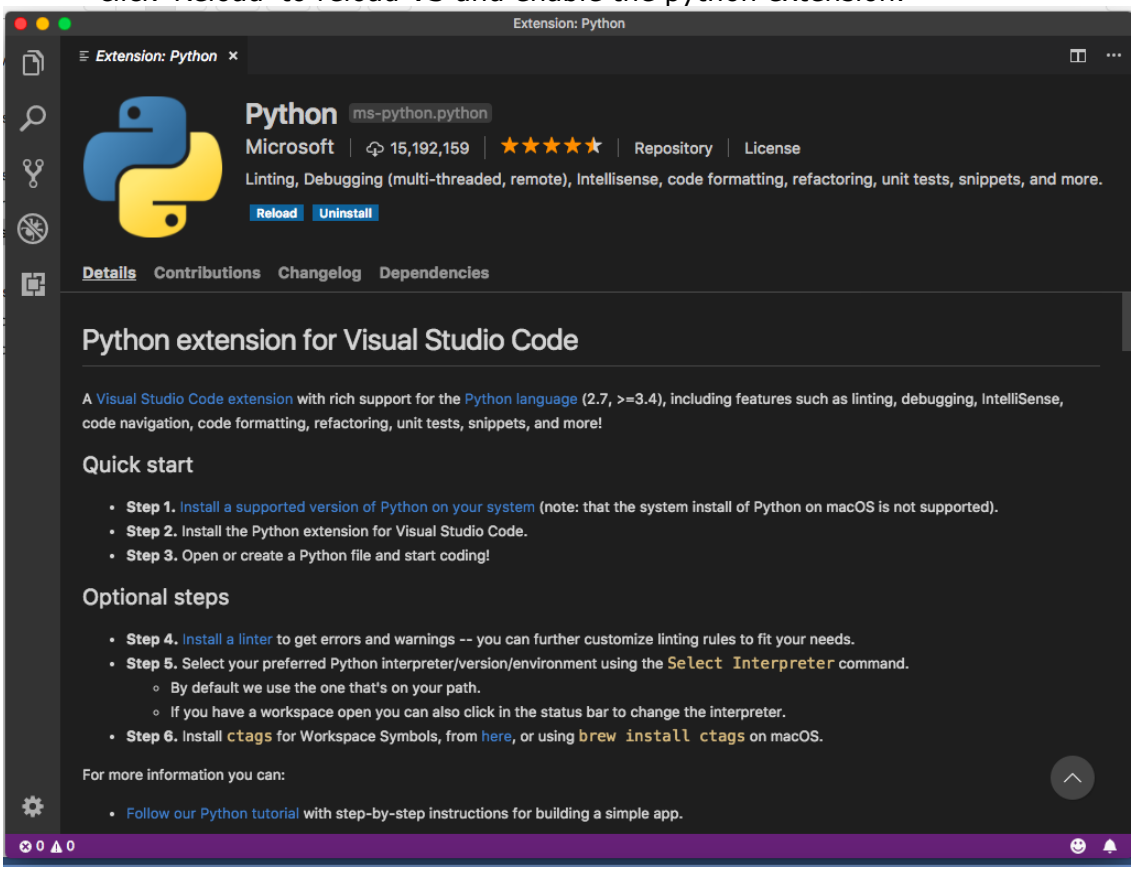

**For Mac:**

- Download visual studio code: https://code.visualstudio.com/docs/?dv=osx
- Install the python extension for Visual Studio Code from here. After clicking 'Install', click 'Open Visual Studio Code' - it will open a VS Code window that you've installed in step-1 : https://marketplace.visualstudio.com/items?itemName=ms-python.python



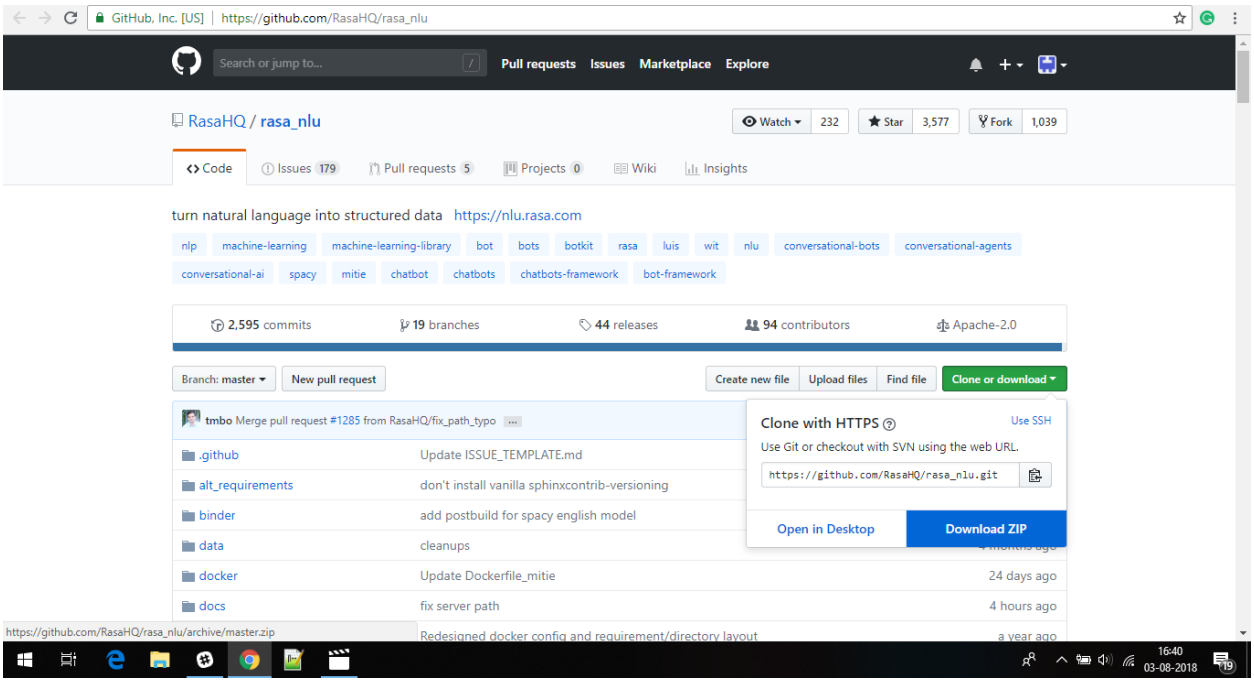



- Install the python extension. If it shows the button ‘Reload’ after installation, click ‘Reload’ to reload VS and enable the python extension.



## Rasa NLU (Requirements and Rasa NLU with Spacy download)

1. Download the zip file from here: https://github.com/RasaHQ/rasa_nlu




2. Unzip the folder. You'll get a folder named 'rasa_nlu-master'.
3. Open Anaconda Prompt/ Windows Command Prompt/ Linux Terminal as Administrator to install Rasa.
4. Navigate to 'rasa_nlu-master' (the folder which you downloaded from Github) in the command prompt.
   cd [path_where rasa_nlu-master folder is located] \rasa_nlu-master
   (**Note:** 'rasa_nlu-master' folder has rasa_nlu folder. Don't navigate to that.)

5. Use the file 'rasa_nlu_requirements.txt' shared in 'Installation-Guide.zip' file and paste it in rasa_nlu-master folder. And then run the following commands in the Command Prompt:
   pip install -r rasa_nlu_requirements.txt
   pip install -e

   **(Note for Windows**: in case of the error- 'Microsoft Visual Studio C++ not found', run the above commands through 'x64 Native Tools Command Prompt for VS 2017'.)
   **(Notes for Mac:**
   - you can try using virtualenv: https://spacy.io/usage/.

- In case of the following error- 'Failed building wheel for python-crfsuite', try using: pip install https://pypi.python.org/packages/source/p/python-crfsuite/python-crfsuite-0.8.1.tar.gz)

6. If system asks to upgrade pip, use the following commands:
   **For windows:** python -m pip install --upgrade pip
   **For Mac:** pip install pip –upgrade
   pip install setuptools –upgrade

7. Install Rasa NLU & Spacy in the same command prompt:
   pip install rasa_nlu**[**spacy**]**
   python -m spacy download en_core_web_md
   *(By default, it will link spacy with core_web. If it doesn't, run the following command)*
   python -m spacy link en_core_web_md en

   **Note for Mac Users:** In case of the following error- "*ValueError: unknown locale: UTF-8*", try resolving it by running the following commands before installing rasa_nlu[spacy]
   export LC_ALL=en_US.UTF-8
   export LANG=en_US.UTF-8
   $ source ~/.bash_profile
   And then run:
   pip install rasa_nlu**[**spacy**]**
   python -m spacy download en_core_web_md

## Rasa Core Installation

1. Download the folder from here: https://github.com/RasaHQ/rasa_core
2. Unzip the folder and paste the contents to some path. You'll get a folder named 'rasa_core-master'
3. Navigate to the 'rasa_core-master' folder path in command prompt
   cd rasa_core-master
4. Use the file 'rasa_core_requirements.txt' shared in 'Installation-Guide.zip' file and paste it in rasa_core-master folder.
5. Run the following command to install the Rasa Core requirements:

```
pip install -r rasa_core_requirements.txt
pip install -e .
```

## Installing Rasa-NLU-Trainer

1. Rasa has an inbuilt GUI tool for adding/editing the training examples: rasa-nlu-trainer. We'll download it using npm package manager of node.js environment:
2. Download node.js from https://nodejs.org/en/ (Version: Recommended for most users)
3. After the installation, run the following command in PowerShell/ Windows Command Prompt
   `npm i -g rasa-nlu-trainer`

   For Mac OS: `sudo npm i -g rasa-nlu-trainer`