

# Rasa NLU & Core Installation

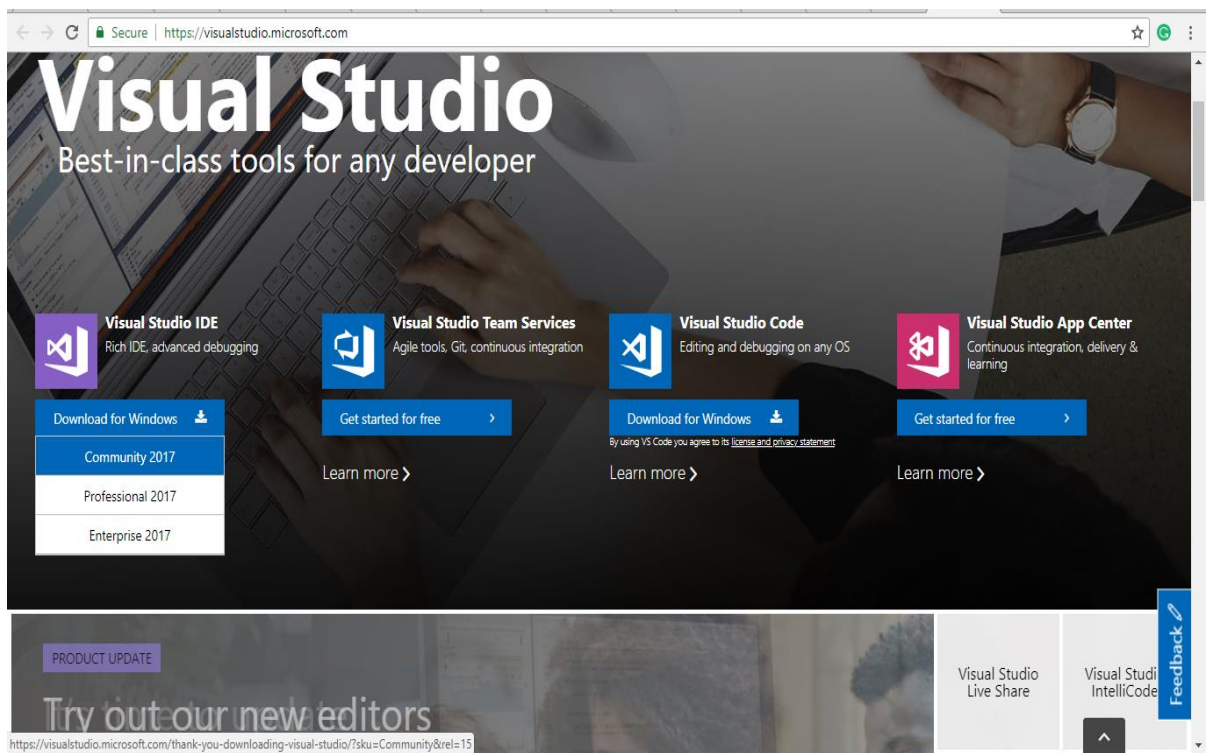
Installation:

Requirements:

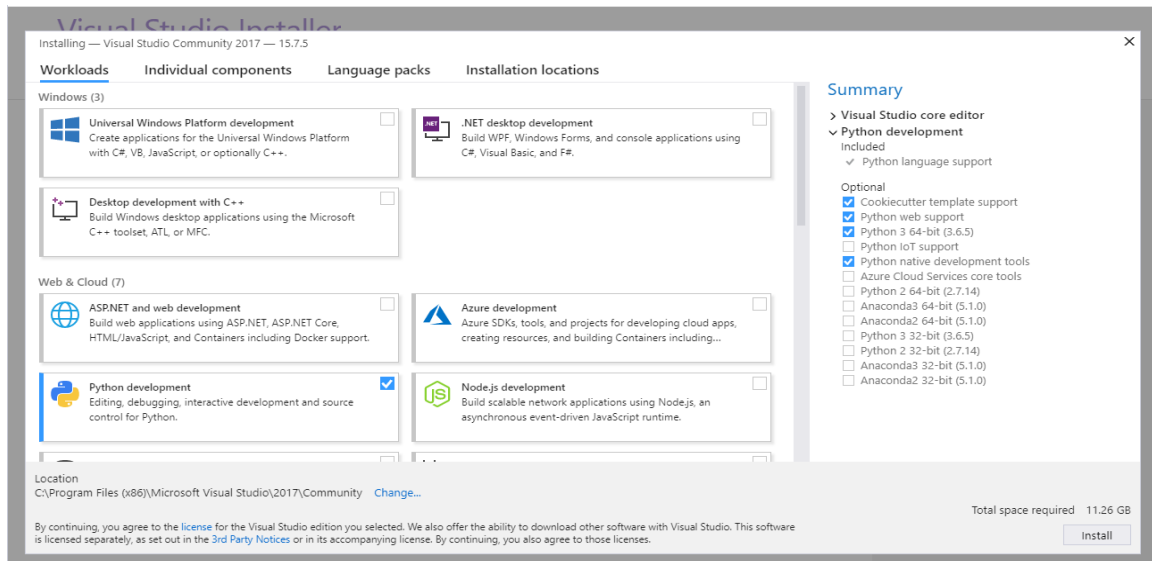
1. **Python 3.6.x (except 3.6.6)**
2. **Visual Studio:**

## 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':

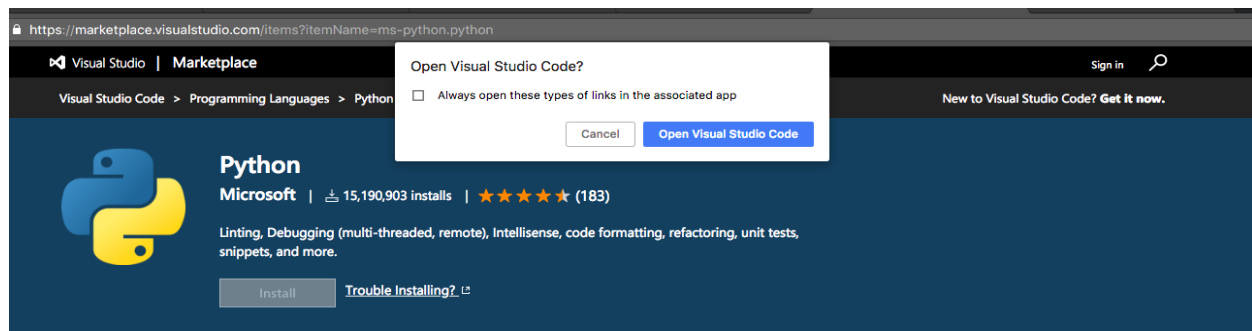


- Install the downloaded file. Once the Visual Studio is installed, select the **Python Development** under 'Web & Cloud' Environment. Also, on right side (Summary), in optional menu select the 'Python native development tools'. Click on install.



## 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>



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## Python extension for Visual Studio Code

A [Visual Studio Code extension](#) with rich support for the [Python language](#) (2.7, >=3.4), including features such as linting, debugging, IntelliSense, code navigation, code formatting, refactoring, unit tests, snippets, and more!

### Quick start

- **Step 1.** [Install a supported version of Python on your system](#) (note: that the system install of Python on macOS is not supported).
- **Step 2.** Install the Python extension for Visual Studio Code.
- **Step 3.** Open or create a Python file and start coding!

### Optional steps

- **Step 4.** [Install a linter](#) to get errors and warnings -- you can further customize linting rules to fit your needs.
- **Step 5.** Select your preferred Python interpreter/version/environment using the [Select Interpreter](#)

### Categories

[Programming Languages](#) [Snippets](#) [Linters](#)  
[Debuggers](#) [Other](#) [Formatters](#)

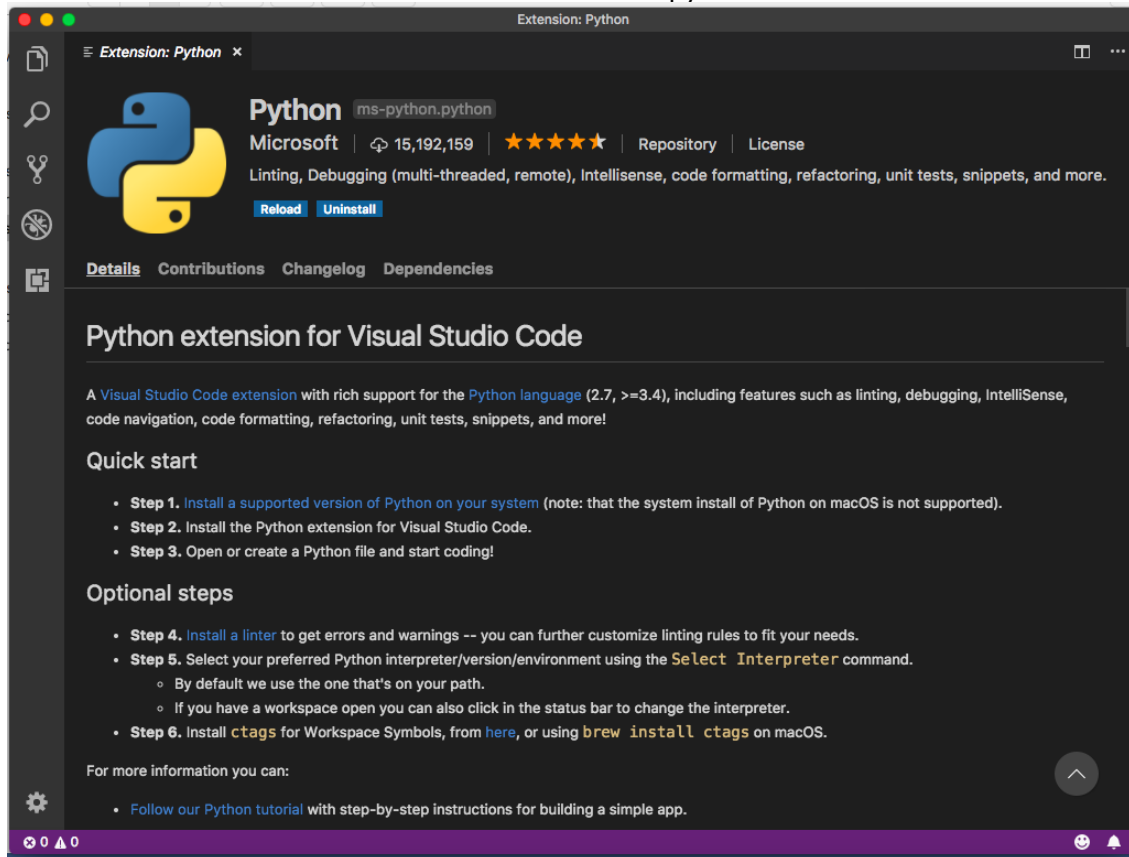
### Tags

[debuggers](#) [django](#) [jinja](#) [json](#) [keybindings](#)  
[linters](#) [multi-root ready](#) [pip requirements](#)  
[pip-requirements](#) [python](#) [requirements.txt](#) [snippet](#)  
[toml](#) [unittest](#) [yaml](#)

### Resources

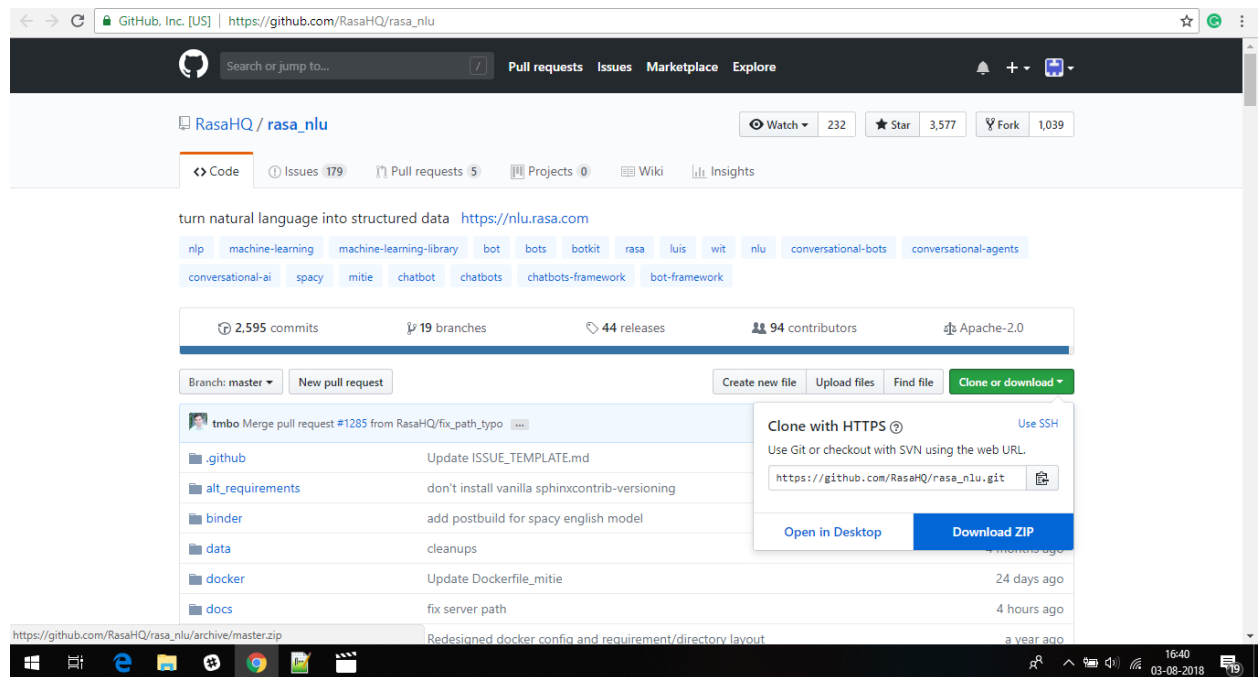
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- Install the python extension. If it shows the button 'Reload' after installation, click 'Reload' to reload VS and enable the python extension.



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

1. Download the zip file from here: [https://github.com/RasaHQ/rasa\\_nlu](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](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
```