

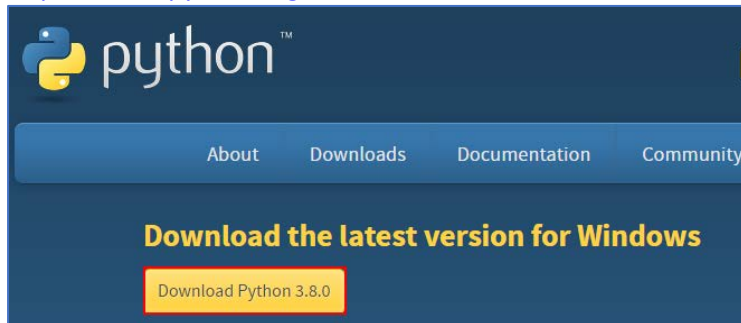
AWS Quick Start Guide: AWS SDK for Python (Boto3)

Get started quickly using AWS with [boto3](#), the AWS SDK for Python. Boto3 makes it easy to integrate your Python application, library, or script with AWS services including Amazon S3, Amazon EC2, Amazon DynamoDB, and more.

Install the AWS CLI Using Python and pip on Windows

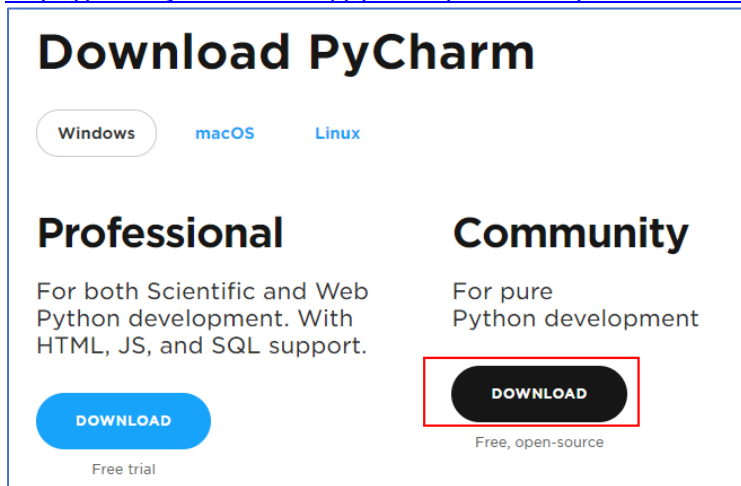
First, you need to download Python from the link below:

<https://www.python.org/downloads/>



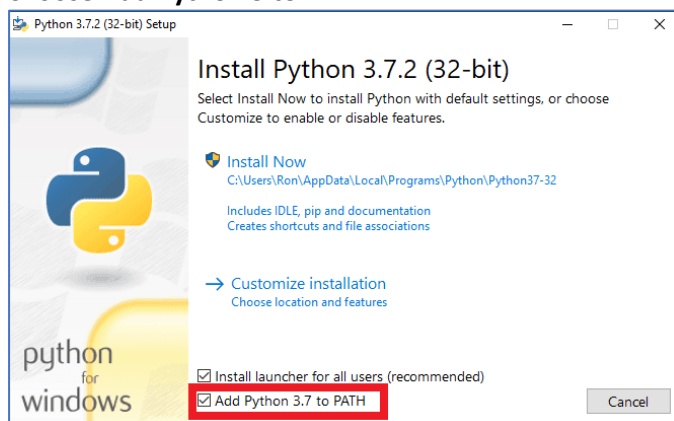
Second, you can download PyCharm community edition from the link below:

<https://www.jetbrains.com/pycharm/download/#section=windows>

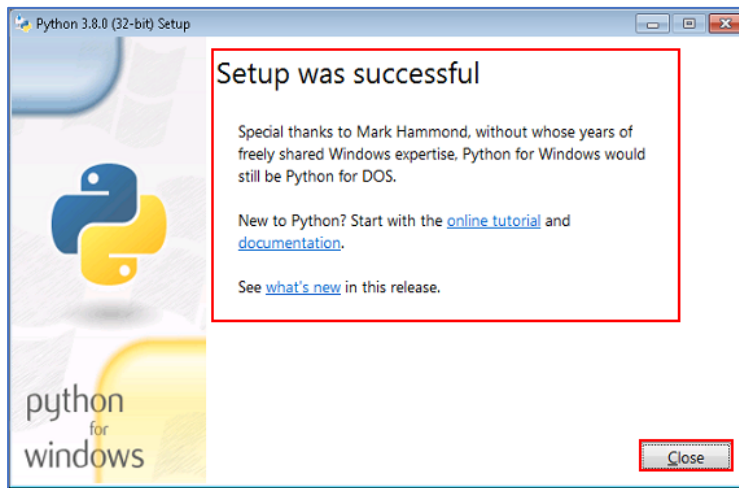


Once both the application download is done, follow the steps below.

1. **To install Python and pip (Windows)**
2. Run the installer.
3. Choose **Add Python 3 to PATH**



4. Choose **Install Now**
5. Follow the onscreen instructions.



6. Done
7. Now you can access your command prompt “CMD” run as administrator
8. Check If python has installed in your system.

```
C:\Users\ashokg>python
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> exit()
```

9. Now on command prompt you can install boto3 using command below:
pip install boto3

```
C:\Users\ashokg>pip install boto3
Collecting boto3
  Downloading https://files.pythonhosted.org/packages/f6/fa/6397049020b312f71c397fff8...
    | 133kB 226kB/s
Collecting s3transfer<0.3.0,>=0.2.0 (from boto3)
  Downloading https://files.pythonhosted.org/packages/16/8a/1fc3dba0c4923c2a76e1ff0d5...
    | 71kB 2.3MB/s
Collecting botocore<1.13.0,>=1.12.253 (from boto3)
  Downloading https://files.pythonhosted.org/packages/8e/7b/88f10115b4748f86be6b7b1d8...
    | 5.8MB 930kB/s
Collecting jmespath<1.0.0,>=0.7.1 (from boto3)
  Downloading https://files.pythonhosted.org/packages/83/94/7179c3832a6d45b266ddb2aac...
    | 235kB 544kB/s
Collecting python-dateutil<3.0.0,>=2.1; python_version >= "2.7" (from botocore<1.13.0...
  Downloading https://files.pythonhosted.org/packages/41/17/c62facbfbfd163c7f57f38446...
    | 133kB 656kB/s
Collecting docutils<0.16,>=0.10 (from botocore<1.13.0,>=1.12.253->boto3)
  Downloading https://files.pythonhosted.org/packages/22/cd/a6aa959dca619918ccb55023b...
    | 552kB 656kB/s
Collecting six>=1.5 (from python-dateutil<3.0.0,>=2.1; python_version >= "2.7"->botoc...
  Downloading https://files.pythonhosted.org/packages/73/fb/00a976f728d0d1fecfe898238...
    | 133kB 656kB/s
Installing collected packages: jmespath, six, python-dateutil, urllib3, docutils, bot...
Successfully installed boto3-1.9.253 botocore-1.12.253 docutils-0.15.2 jmespath-0.9.4
WARNING: You are using pip version 19.2.3, however version 19.3.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
```

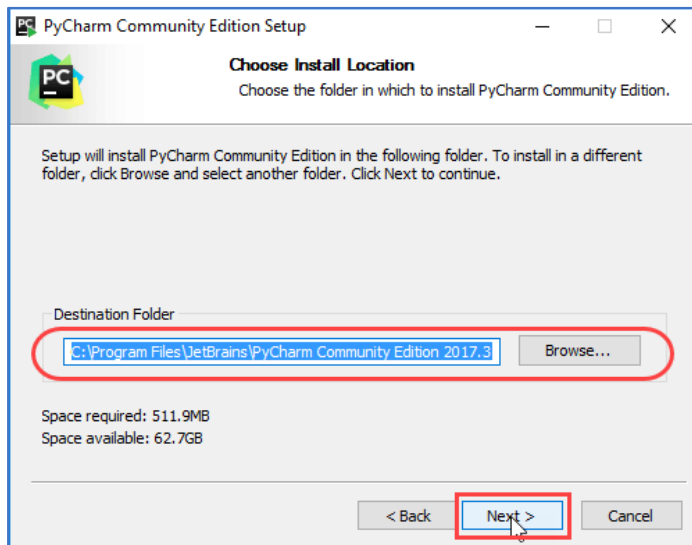
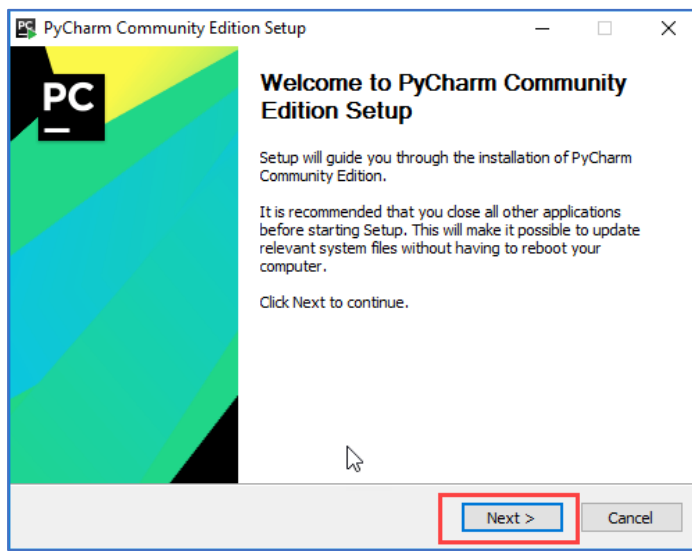
10. You can upgrade and see the boto3 version using command below:

python -m pip install --upgrade pip
pip show boto3

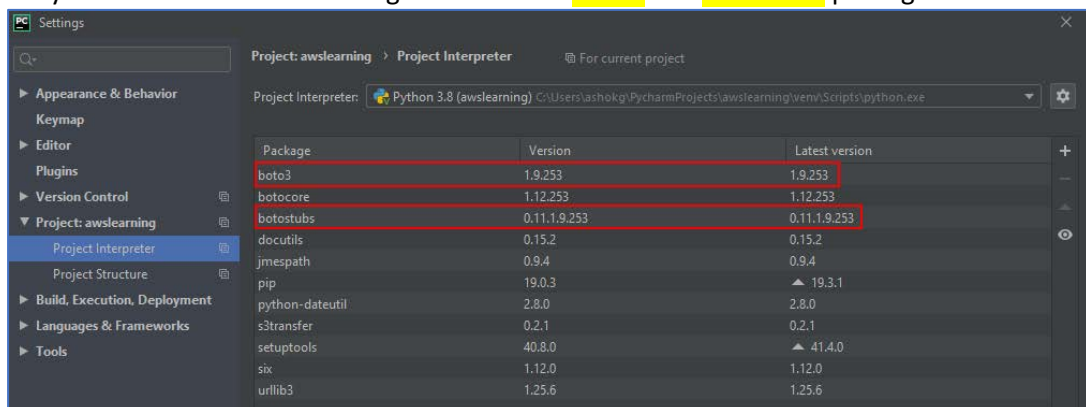
```
C:\Users\ajink>python -m pip install --upgrade pip
Collecting pip
  Downloading https://files.pythonhosted.org/packages/00/b6/9cfa56b4081ad13874b0c6f96af8ce16cfbc1cb06bedf8e9164ce5551ec1/pip-19.3.1-py2.py3-...
    | 1.4MB 262kB/s
Installing collected packages: pip
  Found existing installation: pip 19.2.3
  Uninstalling pip-19.2.3:
    Successfully uninstalled pip-19.2.3
  Successfully installed pip-19.3.1

C:\Users\ajink>pip show boto3
Name: boto3
Version: 1.9.253
Summary: The AWS SDK for Python
Home-page: https://github.com/boto/boto3
Author: Amazon Web Services
Author-email: UNKNOWN
License: Apache License 2.0
Location: c:\users\ajink\appdata\local\programs\python\python38-32\lib\site-packages
Requires: jmespath, botocore, s3transfer
Required-by:
```

11. Done
12. Now install PyCharm community edition that you have downloaded.

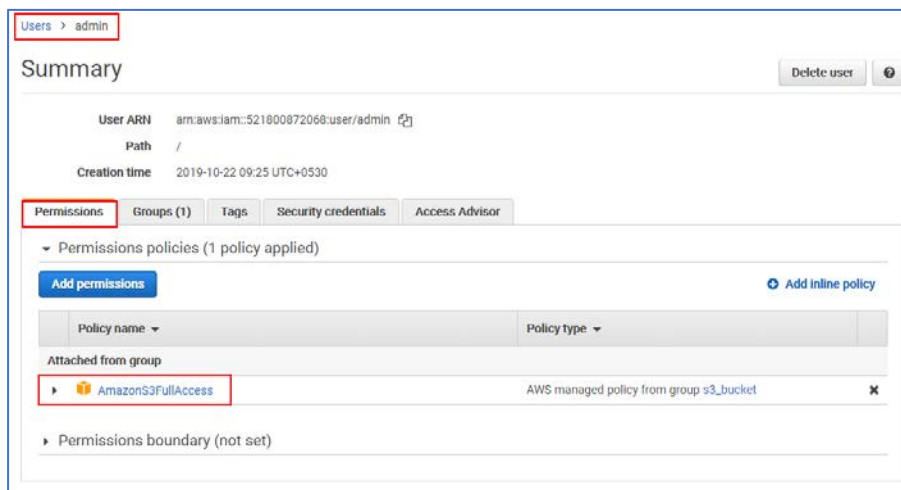


13. Follow the onscreen instructions.
14. Done
15. Please refer to the video link below to configure “PyCharm” project configuration settings.
<https://www.youtube.com/watch?v=G68oSgFotZA&t=592s>
16. In PyCharm->Go to File -> Settings-> make sure **boto3** and **botostubs** packages is installed.



Done

17. Now you can create an admin user in AWS GUI console to access the AWS cli and provide the permission of S3.



<https://docs.aws.amazon.com/cli/latest/userguide/cli-chap-configure.html#cli-quick-configuration>

FYI

Quickly Configuring the AWS CLI

For general use, the `aws configure` command is the fastest way to set up your AWS CLI installation.

```
$ aws configure
AWS Access Key ID [None]: AKIAIOSFODNN7EXAMPLE
AWS Secret Access Key [None]: wJaLrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY
Default region name [None]: us-west-2
Default output format [None]: json
```

18. Go to the PyCharm and create first project name and write a code referring url below.
https://boto3.amazonaws.com/v1/documentation/api/latest/reference/services/s3.html#S3.Client.create_bucket

Please refer to the email which you have received from Yuvraj Ethans -> S3 –Boto3 attachment for script.