

Python Install

HOW TO

Quick guide to install Python and PyCharm for the Ambient Intelligence course



POLITECNICO
DI TORINO

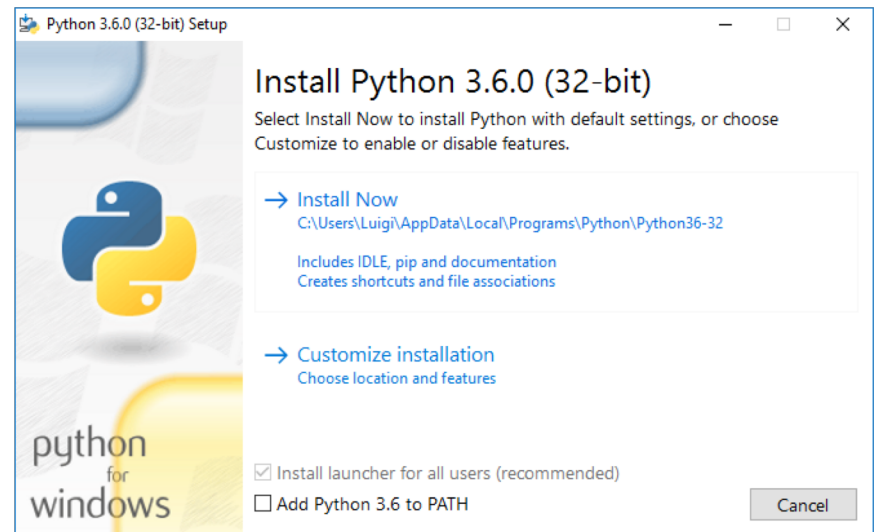


Python 3.x Availability

- Available for the major platforms
- Linux
 - Typically preinstalled
 - or available through package manager
 - check
 - type "python3" in a terminal
- Windows / macOS
 - Should be explicitly installed

Windows Installation

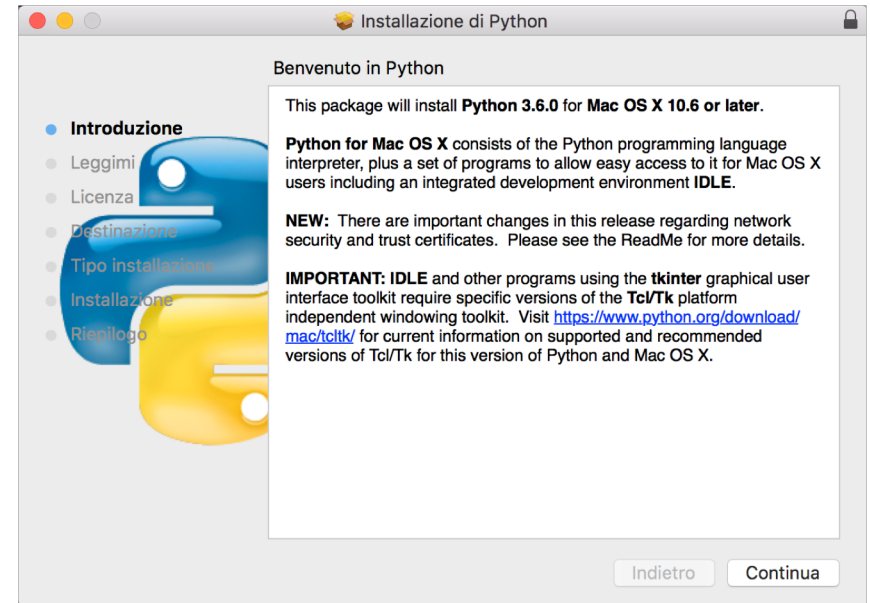
- Check the latest 3.x version
 - <http://www.python.org>
- Download the .exe installer
 - follow the wizard throughout installation
- Open-up a terminal
 - Win(+R) > cmd
 - python --version



```
C:\>python --version
Python 3.6.0
```

macOS Installation

- Check the latest 3.x version
 - <http://www.python.org>
- Download the .pkg installer
 - follow the wizard throughout installation
- Alternatively, use homebrew
 - <https://brew.sh/>
 - `brew install python3`
- Open-up a terminal
 - spotlight > terminal
 - `python3 --version`



```
[luigi@meletta ~]$ python3 --version
Python 3.7.2
```

Integrated Development Environment (IDE)

A **software application** that provides comprehensive facilities to computer programmers for software development.

An IDE normally consists of a **source code editor**, **build** automation tools and a **debugger**.

Most modern IDEs offer Intelligent code completion features.

Python IDE

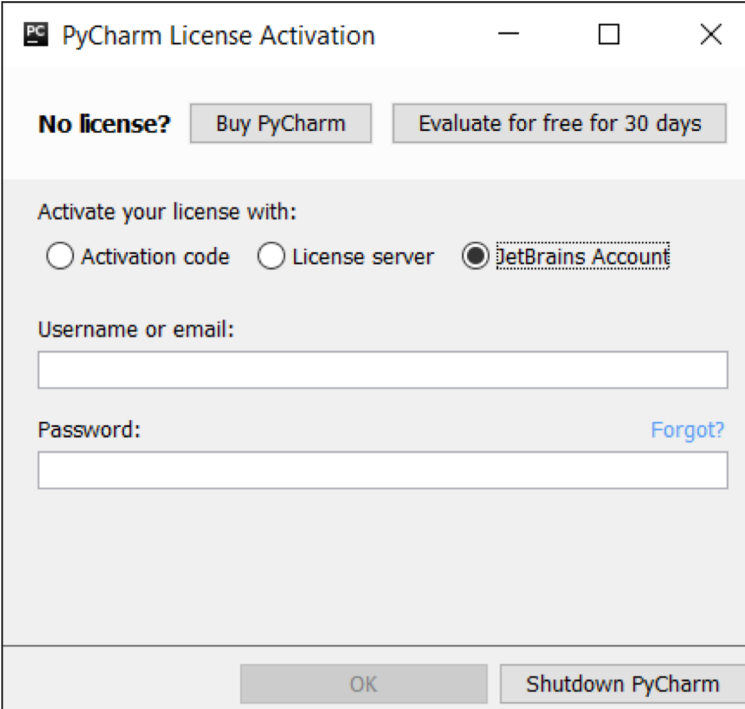
- Some choices available
- We use JetBrains PyCharm
 - Professional Edition
 - <https://www.jetbrains.com/pycharm/>
- PyCharm is a **commercial** product
- JetBrains provide a **free** license for students
 - <https://www.jetbrains.com/student/>
 - apply with your @studenti.polito.it e-mail address!

PyCharm Installation

- Apply for a free JetBrains license
 - <https://www.jetbrains.com/student/>
- Download PyCharm Professional Edition
 - <https://www.jetbrains.com/pycharm/download>
 - available for Windows, Linux and Mac
- On Windows / Mac
 - double click on the downloaded file
- On Linux
 - extract the .tar.gz file where you want to install the IDE

PyCharm Installation

- Open PyCharm
- Insert your JetBrains credentials



The image shows a 'PyCharm License Activation' dialog box. At the top, it says 'No license?' with two buttons: 'Buy PyCharm' and 'Evaluate for free for 30 days'. Below this, it asks 'Activate your license with:' and has three radio button options: 'Activation code', 'License server', and 'JetBrains Account' (which is selected). Under 'JetBrains Account', there are two input fields: 'Username or email:' and 'Password:'. A 'Forgot?' link is next to the password field. At the bottom, there are two buttons: 'OK' and 'Shutdown PyCharm'.

Questions?




01QZP AMBIENT INTELLIGENCE

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