

Installing Anaconda

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Short instructions for the "Programming with Python" course
at The University of Manchester



The University of Manchester

Download (1)

0. Go to [Anaconda download page](#).
1. Be careful to pick Python **3.x**.

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redistribution). It includes over 195 of the most popular [Python packages](#) for science, math, engineering, data analysis.

CHOOSE YOUR INSTALLER: **1** [I WANT PYTHON 3.4](#)

2 [Windows 64-bit Python 2.7 Graphical Installer](#)
Size: 343M

3 [OTHER INSTALLERS:](#)
[Windows 32-bit - Python 2.7 - Graphical Installer](#)
Size: 267M

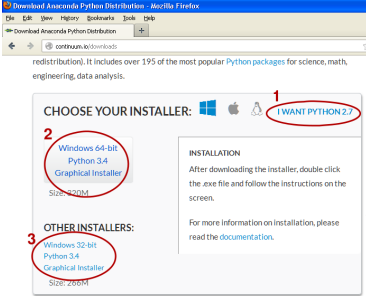
[Zipped Windows Installers](#)
zipped Windows executable files for those behind firewalls

INSTALLATION
After downloading the installer, double click the .exe file and follow the instructions on the screen.

For more information on installation, please read the [documentation](#).

Download (2)

2. Download Python 3.x installer for Windows 64-bit, or
3. for Windows 32-bit, if that's what you have.



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redistribution). It includes over 195 of the most popular Python packages for science, math, engineering, data analysis.

CHOOSE YOUR INSTALLER:

1 I WANT PYTHON 2.7

2 Windows 64-bit
Python 3.4
Graphical Installer
Size: 220M

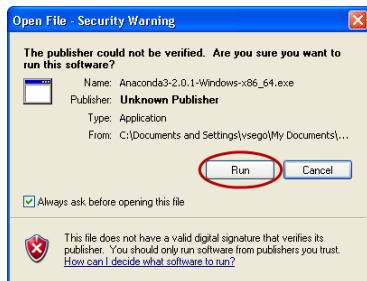
3 OTHER INSTALLERS:
Windows 32-bit
Python 3.4
Graphical Installer
Size: 266M

INSTALLATION
After downloading the installer, double click the .exe file and follow the instructions on the screen.
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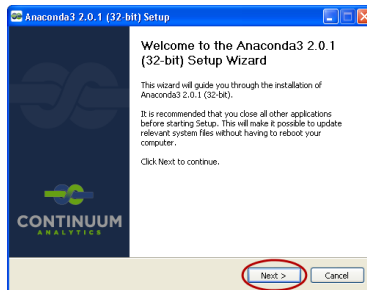
If you do not want to download the entire distribution, [Miniconda](#) is also available. Miniconda contains only conda and Python, so that you can install only the individual software you want through the conda command. You can download [Miniconda's home](#)

Start the installer

Run your download.



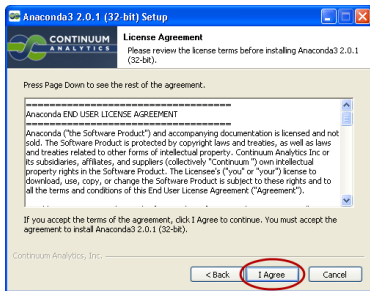
Click "Next".



Install (1)

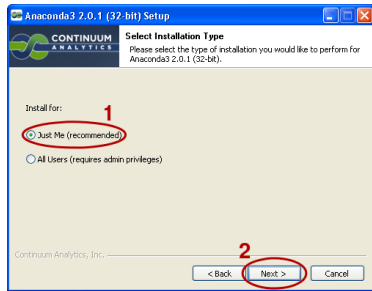
Accept the licence agreement

It is advisable to read it first. 😊



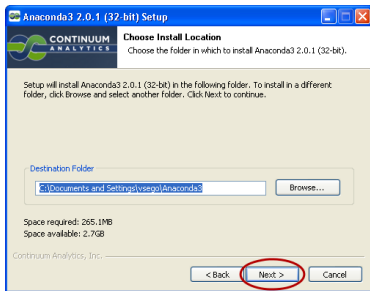
Install (2)

1. Unless you deliberately want all users on your computer to use Anaconda, choose "Just Me". On most home Windows systems, only a single account is used anyway, so this option won't make much difference either way.
2. Click "Next".



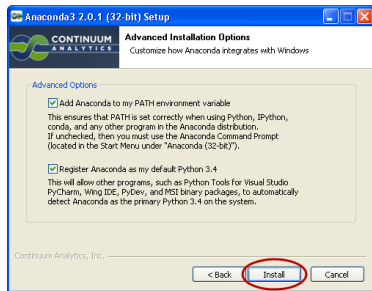
Install (3)

Click "Next", unless you have a really good reason to pick a non-default location for Anaconda.



Install (4)

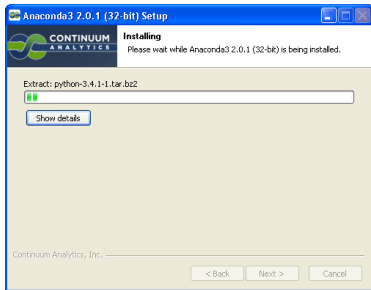
The options here should be fine. Click "Next".



Install (5)

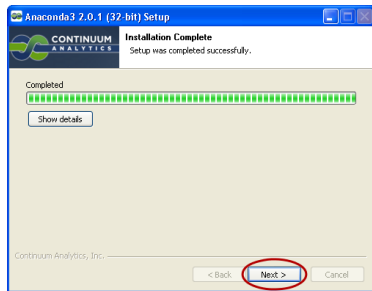
Patience is a virtue.

Those lacking it, might want to consider having a cup of tea while the installation is done. 😊



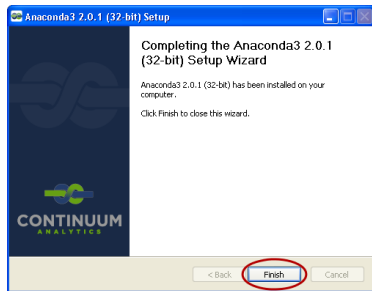
Install (6)

When the "Next" button becomes available (i.e., the installation is finished), click it.



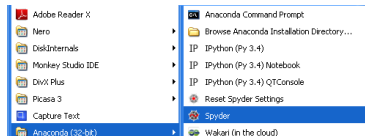
Install (7)

Your Anaconda is ready for you to become the next programmer legend! Click "Finish".



Start Anaconda

Find the new Start menu item "Anaconda" (the exact location may depend on the Windows' version that you're using) and click "Spyder". This is the editor that we shall be using.



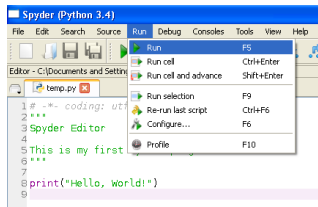
First usage (1)

1. Write a test program, for example:

```
print(" Hello , World!" )
```

Leave the grey part (a comment) and a green part inside triple quotation marks as they are.

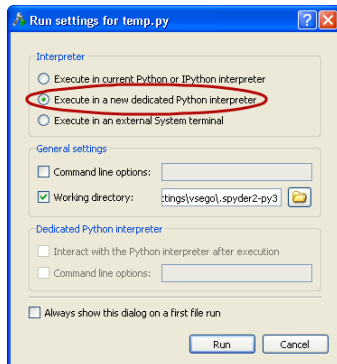
2. Go to the "Run" menu, then click on the "Run" item (or just press F5).



First usage (2)

With the first run of the program, Spyder will ask about some basic options.

In this window, select "Execute in a new dedicated Python interpreter", which means that each run of the program will go clean, without variable values from the previous runs (which could cause weird errors).



First usage (3)

Your program runs in the bottom right part of the editor:

The image shows the Spyder Python IDE interface. The main editor window displays the following code:

```
1 # -*- coding: utf-8 -*-
2 """
3 Spyder Editor
4 This is my first Python program.
5 """
6
7 print("Hello, World!")
8
9
```

The text "The code" is overlaid in blue on the editor area.

Below the editor, the console window shows the output of the program:

```
Hello, World!
```

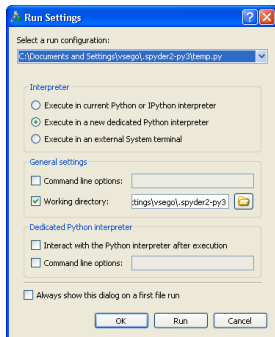
The text "The execution area" is overlaid in blue on the console area.

A help dialog box titled "Usage" is also visible, containing the text: "Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console. Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in Preferences > Object Inspector."

The status bar at the bottom of the IDE shows: Permissions: RM, End-of-lines: CRLF, Encoding: UTF-8, Line: 9, Column: 1, Memory: 83 %.

First usage (4)

If you need to fix your program settings from the first run, you can do so in menu "Run" by clicking "Configure..." (or press F6).



That's it!



Happy coding...