

[Log in](#)[Create Free Account](#)

Michael Galarnyk
December 18th, 2019

PYTHON

Installing Anaconda on Windows

This tutorial will demonstrate how you can install Anaconda, a powerful package manager, on Microsoft Windows.

Anaconda is a package manager, an environment manager, and Python distribution that contains a collection of many open source packages. This is advantageous as when you are working on a data science project, you will find that you need many different packages (numpy, scikit-learn, scipy, pandas to name a few), which an installation of Anaconda comes preinstalled with. If you need additional packages after installing Anaconda, you can use Anaconda's package manager, conda, or pip to install those packages. This is highly advantageous as you don't have to manage dependencies between multiple packages yourself. Conda even makes it easy to switch between Python 2 and 3 (you can learn more [here](#)). In fact, an installation of Anaconda is also the [recommended way to install Jupyter Notebooks](#) which you can learn more about [here](#) on the DataCamp community.

This tutorial will include:

- [How to Install Anaconda on Windows](#)
- [How to test your installation and fix common installation issues](#)
- [What to do after installing Anaconda.](#)

With that, let's get started!

Download and Install Anaconda

1. Go to the [Anaconda Website](#) and choose a Python 3.x graphical installer (A) or a Python 2.x graphical installer (B). If you aren't sure which Python version you want to install, choose Python 3. Do not choose both.

The screenshot shows the Anaconda website's download page for Windows. At the top, there are links for "What is Anaconda?", "Products", "Support", "Community", "Resources", "About", and a "Download" button. Below this, there are links for "Windows", "macOS", and "Linux". The main section is titled "Anaconda 5.1 For Windows Installer". It shows two options: "Python 3.6 version" (labeled A) and "Python 2.7 version" (labeled B). Each option has a green "Download" button. Under each download button, there are links for "64-Bit Graphical Installer (537 MB)" and "32-Bit Graphical Installer (436 MB)". At the bottom of the page, there are links for "Behind a firewall?", "How to get Python 3.5 or other Python versions", and "How to Install ANACONDA".



ANACONDA.

What is Anaconda? Products Support Community Resources About Download

Windows macOS Linux

Anaconda 5.1 For Windows Installer

Python 3.6 version *

[Download](#)

64-Bit Graphical Installer (537 MB) 32-Bit Graphical Installer (436 MB)

Python 2.7 version *

[Download](#)

64-Bit Graphical Installer (523 MB) 32-Bit Graphical Installer (420 MB)

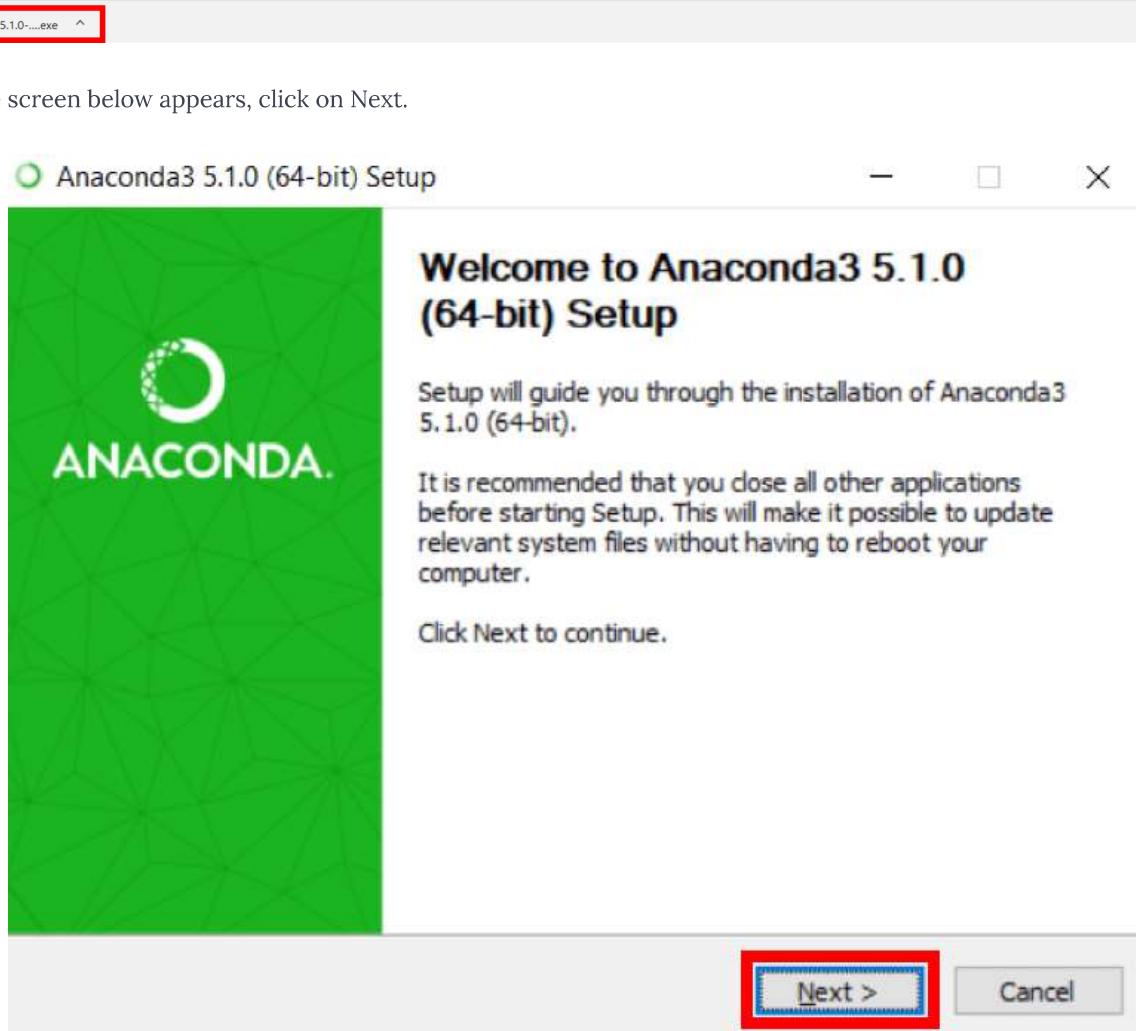
Behind a firewall?
[How to get Python 3.5 or other Python versions](#)
[How to Install ANACONDA](#)

Get Started

[Anaconda3-5.1.0-....exe](#)

Show all

When the screen below appears, click on Next.



3. Read the license agreement and click on I Agree.



License Agreement

Please review the license terms before installing Anaconda3 5.1.0 (64-bit).

Press Page Down to see the rest of the agreement.

=====
Anaconda End User License Agreement
=====

Copyright 2015, Anaconda, Inc.

All rights reserved under the 3-clause BSD License:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Anaconda3 5.1.0 (64-bit).

Anaconda, Inc.

[< Back](#) I Agree [Cancel](#)

4. Click on Next.

Anaconda3 5.1.0 (64-bit) Setup

Select Installation Type

Please select the type of installation you would like to perform for Anaconda3 5.1.0 (64-bit).

Install for:

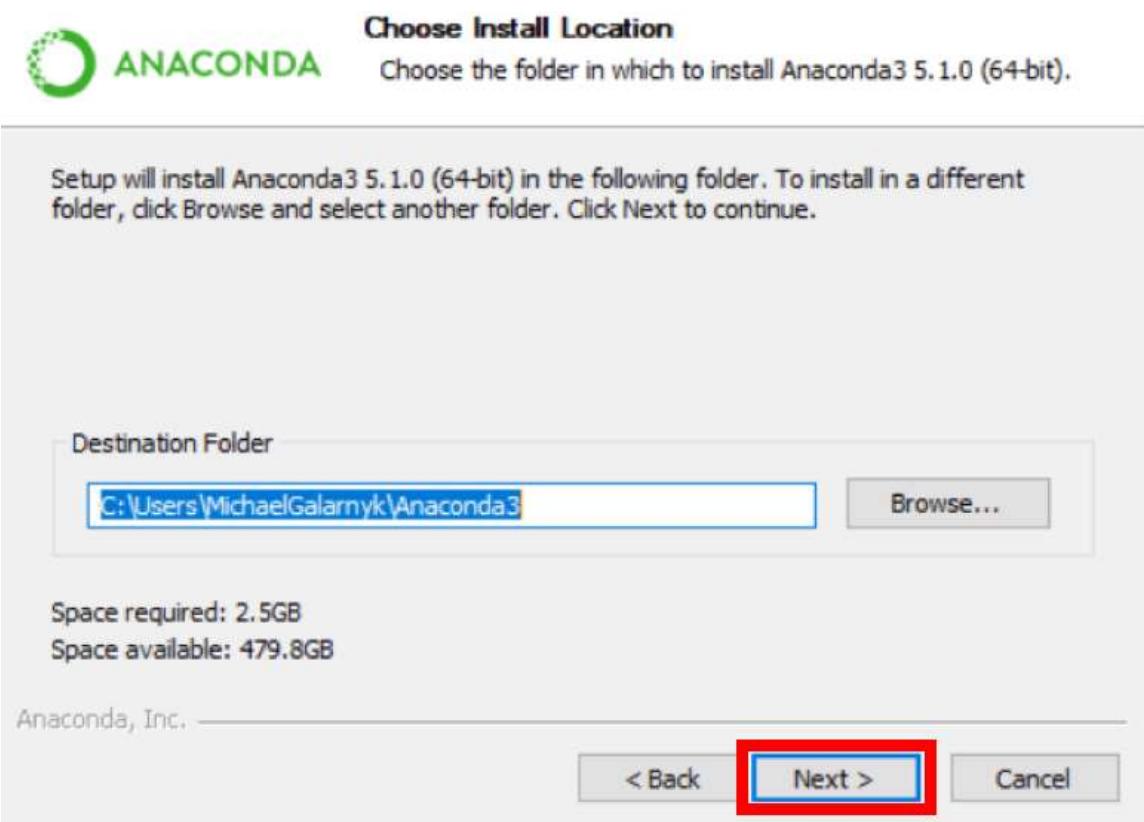
Just Me (recommended)

All Users (requires admin privileges)

Anaconda, Inc.

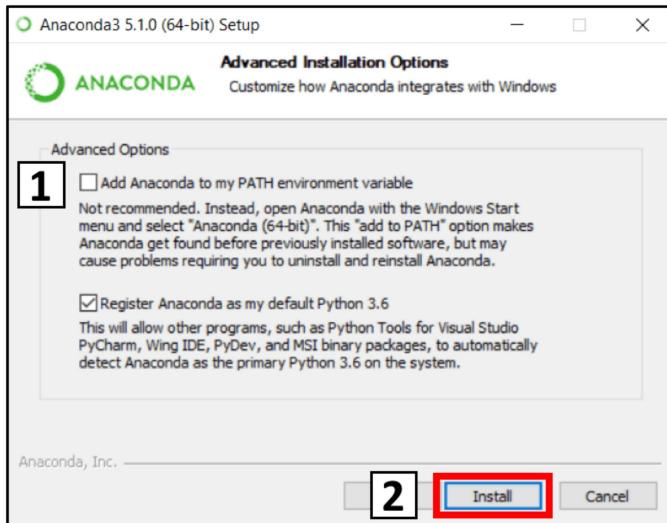
[< Back](#) Next > [Cancel](#)

5. Note your installation location and then click Next.

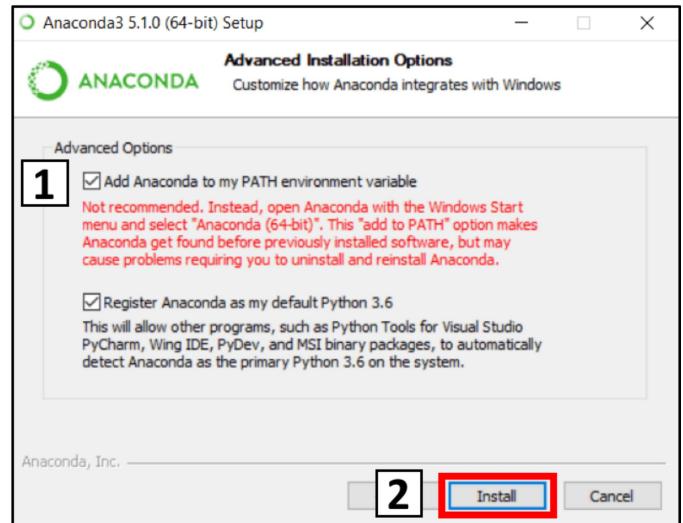


6. This is an important part of the installation process. The recommended approach is to not check the box to add Anaconda to your path. This means you will have to use Anaconda Navigator or the Anaconda Command Prompt (located in the Start Menu under "Anaconda") when you wish to use Anaconda (you can always add Anaconda to your PATH later if you don't check the box). If you want to be able to use Anaconda in your command prompt (or git bash, [cmd](#), powershell etc), please use the alternative approach and check the box.

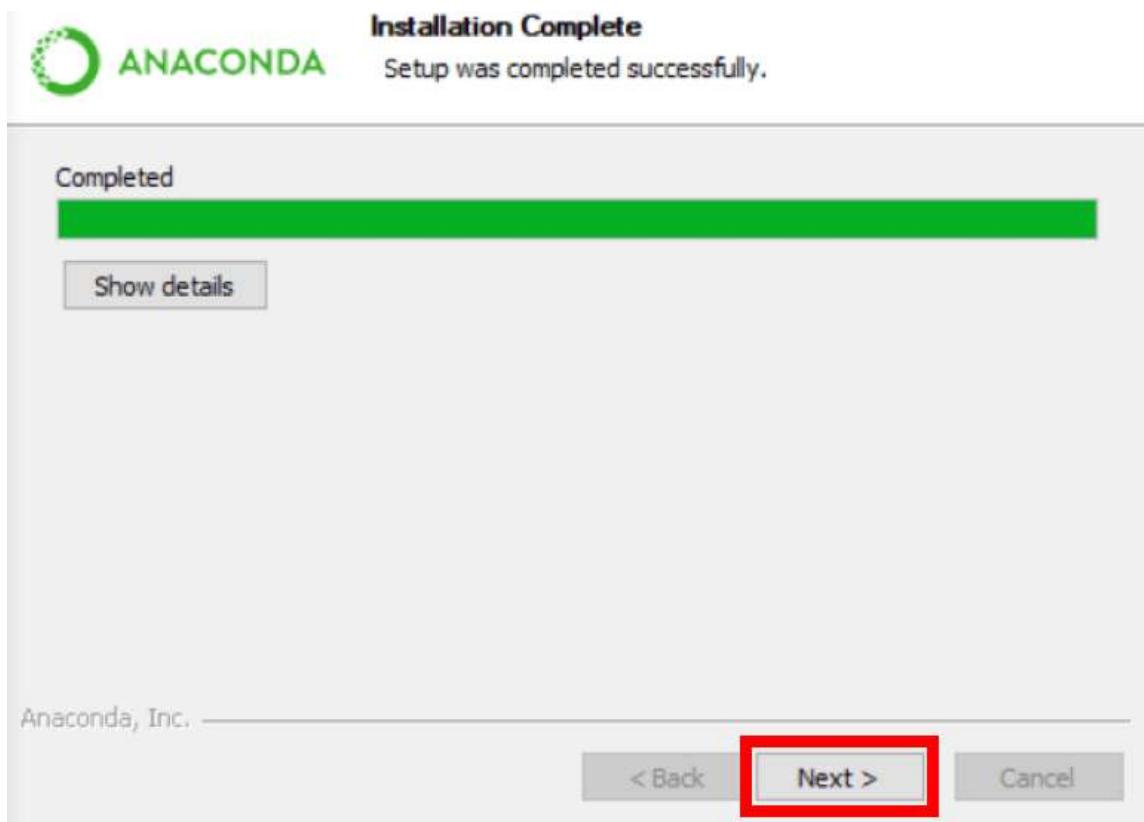
Recommended Approach



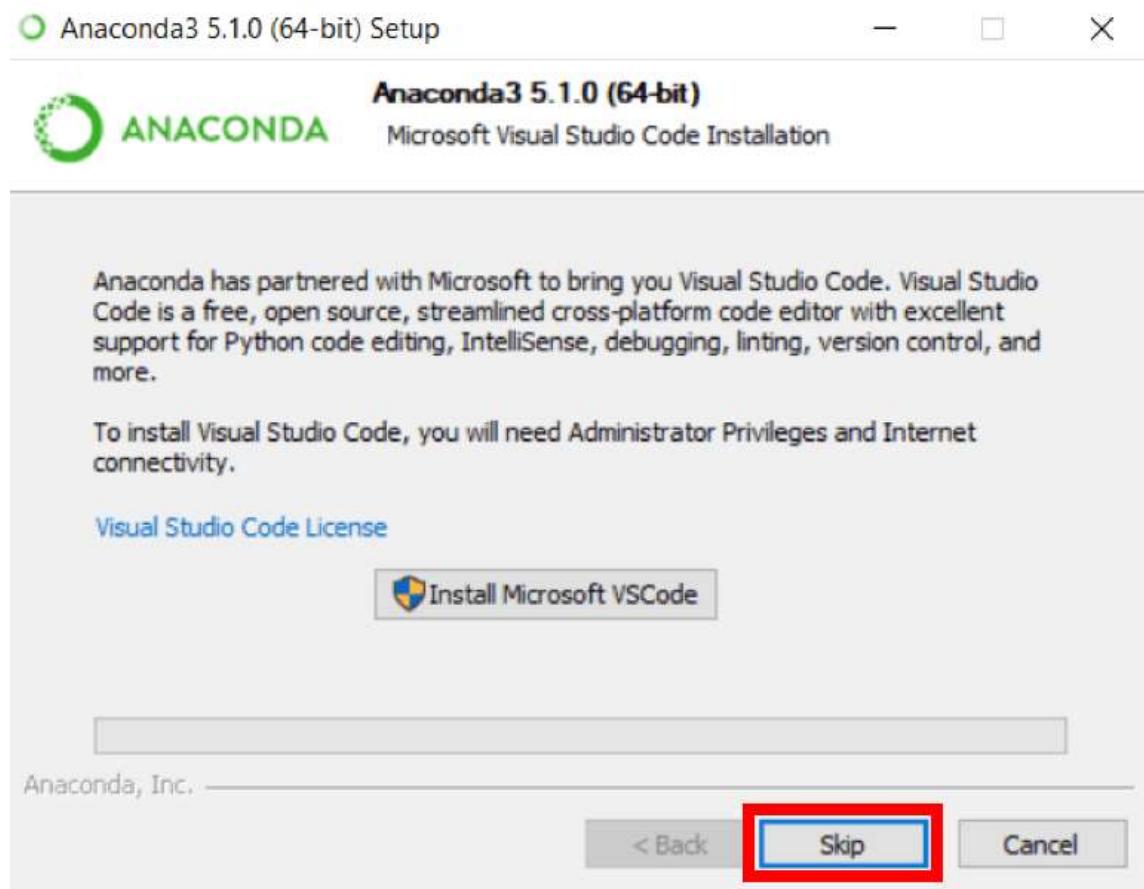
Alternative Approach



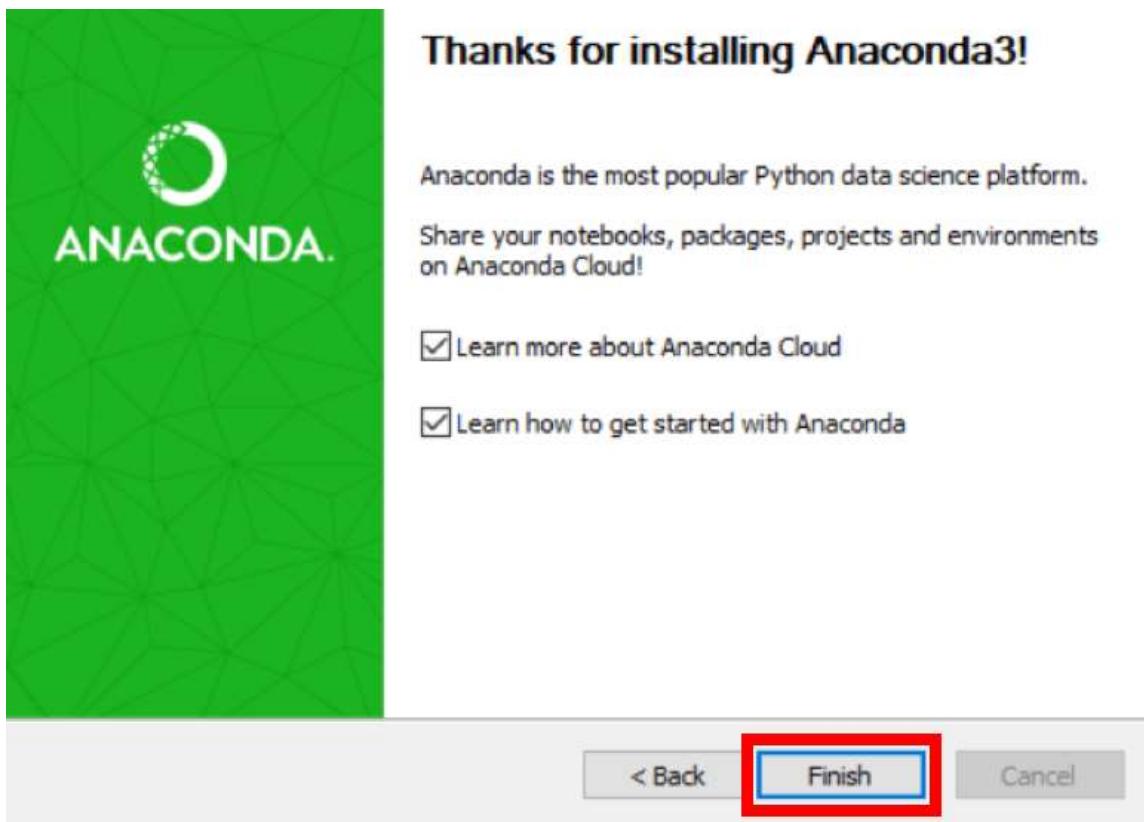
7. Click on Next.



8. You can install Microsoft VSCode if you wish, but it is optional.



9. Click on Finish.



Add Anaconda to Path (Optional)

This is an **optional** step. This is for the case where you didn't check the box in step 6 and now want to add Anaconda to your Path. The advantage of this is that you will be able to use Anaconda in your Command Prompt, Git Bash, cmder etc.

1. Open a Command Prompt.

```
Command Prompt
Microsoft Windows [Version 10.0.16299.431]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\MichaelGalarnyk>
```

2. Check if you already have Anaconda added to your path. Enter the commands below into your Command Prompt. This is checking if you already have Anaconda added to your path. If you get a command **not recognized** error like in the left side of the image below, proceed to step 3. If you get an output similar to the right side of the image below, you have already added Anaconda to your path.



```
python --version
```

Proceed to Step 3

```
Microsoft Windows [Version 10.0.16299.431]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\MichaelGalarnyk>conda --version
'conda' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\MichaelGalarnyk>python --version
'python' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\MichaelGalarnyk>
```

Anaconda Already Added to Path

```
Microsoft Windows [Version 10.0.16299.431]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\MichaelGalarnyk>conda --version
conda 4.4.10

C:\Users\MichaelGalarnyk>python --version
Python 3.6.4 :: Anaconda, Inc.

C:\Users\MichaelGalarnyk>
```

3. If you don't know where your conda and/or python is, open an **Anaconda Prompt** and type in the following commands. This is telling you where conda and python are located on your computer.

```
where conda
where python
```

Anaconda Prompt

```
(base) C:\Users\MichaelGalarnyk>where conda
C:\Users\MichaelGalarnyk\Anaconda3\Library\bin\conda.bat
C:\Users\MichaelGalarnyk\Anaconda3\Scripts\conda.exe

(base) C:\Users\MichaelGalarnyk>where python
C:\Users\MichaelGalarnyk\Anaconda3\python.exe

(base) C:\Users\MichaelGalarnyk>
```

4. Add conda and python to your PATH. You can do this by going to your Environment Variables and adding the output of step 3 (enclosed in the red rectangle) to your path. If you are having issues, here is a short [video](#) on adding conda and python to your PATH.



User variables for MichaelGalarnyk

Variable	Value
OneDrive	C:\Users\MichaelGalarnyk\OneDrive
Path	C:\Users\MichaelGalarnyk\Anaconda3;C:\Users\MichaelGalarnyk\Anaconda3\Scripts;...
TEMP	C:\Users\MichaelGalarnyk\AppData\Local\Temp
TMP	C:\Users\MichaelGalarnyk\AppData\Local\Temp

New... Edit... Delete

System variables

Variable	Value
ComSpec	C:\WINDOWS\system32\cmd.exe
NUMBER_OF_PROCESSORS	4
OnlineServices	Online Services
OS	Windows_NT
Path	C:\Program Files (x86)\Intel\iCLS Client\C:\Program Files\Intel\iCLS Client\C:\WI...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.JS;.JSE;.WSF;.WSH;.MSC
Platform	MCD

New... Edit... Delete

OK Cancel

5. Open a new Command Prompt. Try typing `conda --version` and `python --version` into the **Command Prompt** to check to see if everything went well.

Select Command Prompt

```
Microsoft Windows [Version 10.0.16299.431]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\MichaelGalarnyk>conda --version
conda 4.4.10

C:\Users\MichaelGalarnyk>python --version
Python 3.6.4 :: Anaconda, Inc.

C:\Users\MichaelGalarnyk>
```

Conclusion

This tutorial provided a quick guide on how to install Anaconda on Windows as well as how to deal with a common installation issue. If you would like to learn more about Anaconda, you can learn more about it [here](#). If you aren't sure what to do to start coding on your computer, I recommend you check out the [the Jupyter Notebook Definitive Guide](#) to learn how to code using Jupyter Notebooks. If you want to learn about Python for Data Science, I suggest you check out the DataCamp course [Intro to Python for Data Science](#). If you have any questions or thoughts on the tutorial, feel free to reach out in the comments below or through [Twitter](#).



COMMENTS

Nkemdilim Udeokoro

31/08/2018 08:59 AM

Hello. Please when I type the line

where conda

i get this message: INFO: could not find files for the given pattern(s).

▲ 22

Bill Zhang

24/02/2020 11:34 AM

me too

▲ 6

Agnes Lydia

07/10/2018 10:08 AM

I'm not able to install Tensorflow after installing anaconda on a 32bit machine... Is there a work-around possible for it?

▲ 1

Victor Arokoyo

12/10/2018 09:04 PM

Hi Agnes, I do not have much to say. But you can follow this process:

1. (base) C:\XXXXXXXXXX>conda create -n my_root --clone="C:\ProgramData\Anaconda3"

2. (base) C:\XXXXXXXXXX>conda activate my_root

3. (my_root) C:\XXXXXXXXXX>python -m pip install --upgrade pip

4. Tensorflow Installation

(my_root) C:\XXXXXXXXXX>pip install tensorflow

(my_root) C:\XXXXXXXXXX>python

>>> import tensorflow as tf

>>> hello = tf.constant('Hello, TensorFlow!')

>>> sess = tf.Session()

>>> print(sess.run(hello))

b'Hello, TensorFlow!'

>>> a = tf.constant(1)

>>> b = tf.constant(2)

>>> print(sess.run(a + b))

>>> import os

>>> import inspect

>>> import tensorflow

>>> print(os.path.dirname(inspect.getfile(tensorflow)))

C:\XXXXXXXXXX\AppData\Local\conda\conda\envs\my_root\lib\site-packages\tensorflow

**Manohar S Rajputana**

22/10/2018 07:23 PM

Team, I installed Anaconda on Windows 10. I have included PATH as suggested. STRANGE ISSUE IS: When I open Jupyter Notebook from Anaconda prompt, it is opening fine. When I type the lower case in the line command, it always shows in upper case. I am not sure what is wrong.

When I installed Anaconda in another partition with Ubuntu, it is working fine with no issues. Can any ANACONDA GURU please help me in fixing the Jupyter issue in Windows 10? Thank you in advance. (manohar20@yahoo.com - please send me the solution if you have to my email ID).

▲ 5

Alex Giulietti

01/02/2019 03:52 PM

Thanks for the article ! If you are using Conda 4.5.12, please beware that the path to conda should NOT be added to the Windows path. Git Bash will add it automatically to the `~/.bashrc` file instead. You might need to edit it to change '\s to '/s.

▲ 1

'Δέσποινα Μαρκουλάκη'

20/03/2019 11:21 PM

Hello. Please when I type the line

where conda

i get this message: INFO: could not find files for the given pattern(s).

Why is that? what can i do?

▲ 0

nitha p

15/05/2019 06:42 PM

uninstall Anaconda & install it once more

▲ 1

Kiran Mistry

31/03/2019 04:22 PM

i am not able to find conda.bat or conda.exe file anywhere

▲ 2

Sukesh B R

20/04/2019 10:11 AM

Very good article. This is a tutorial video explains how to install anaconda in ubuntu <https://www.youtube.com/watch?v=hFiHhf2u2Jo>

▲ 1

Gwiza Maryse

06/05/2019 02:41 AM

Thank you much for the clear step by step guide!

▲ 2



I have using spyder in Anaconda for last year. In last couple of days I am getting an issue regarding spyder.

- when I install some libraries it takes too much time than usual.
- when I try to run spyder then it doesn't open on my laptop.

Can anyone help describe what type of problem I am facing and how I can solve it.

Anaconda 5.2.0.0

windows 10

▲ 3

teimoor bahrami

28/05/2019 01:11 AM

Hi i downloaded the Anaconda distribution but the conda and where command was not recognized on cmd and Anaconda prompt

▲ 1

Michael Galarnyk

27/01/2020 10:42 PM

I would recommend visiting an updated version of this tutorial here: <https://medium.com/@GalarnykMichael/install-python-anaconda-on-windows-2020-f8e188f9a63d>

▲ 1

Katarina Jørgensen

28/06/2019 02:20 PM

I can't find Anaconda for windows installer on the Anaconda website. Where is it?

▲ 1

Michael Galarnyk

27/01/2020 10:43 PM

Please see the updated tutorial: <https://medium.com/@GalarnykMichael/install-python-anaconda-on-windows-2020-f8e188f9a63d>

It has a video that will show you the steps: <https://youtu.be/uOwCiZKj2rg>

▲ 1

sumangala malavi

02/08/2019 07:17 PM

when im installing anaconda its showing me failed to create menus why is it so ??

▲ 2

Sumit Jha

10/09/2019 10:34 AM

I am facing the same issue. Have you got any solution?

▲ 2

Tosin Adeoti

14/10/2019 06:32 PM

I'm facing same issue, using Windows 7.

Admin, kindly assist.

▲ 2



vvnat will happen if i install python 3.6.4 and Anaconda 3.7?

▲ 3

Muhsin Thariq

19/10/2019 04:50 AM

i have some problem over here, i've already followed the steps on the installation anaconda and edited the environment on the system. and it goes fine...suddenly after i restart the laptop it shows this message:

Python 3.7.4 (default, Aug 9 2019, 18:34:13) [MSC v.1915 64 bit (AMD64)] :: Anaconda, Inc. on win32

Warning:

This Python interpreter is in a conda environment, but the environment has not been activated. Libraries may fail to load. To activate this environment please see <https://conda.io/activation>

how can i overcome this problem?

▲ 2

Hamza Mohammad Khan

21/01/2020 02:14 AM

I think you have to reinstall anaconda and don't allow the path means do not tick the 2nd dialog box if you already have a environment registered

▲ 0

JS Rasel

08/12/2019 02:31 PM

C:\Users\windows10>where python

C:\Users\windows10\AppData\Local\Microsoft\WindowsApps\python.exe

C:\Users\windows10>where conda

INFO: Could not find files for the given pattern(s).

how to solve this ??

▲ 2

Akash Mohadikar

19/12/2019 11:41 PM

Anaconda on windows! Wow!

At first, I thought that you are talking about any animal, cause before reading this article, I don't even know that there is any OS named anaconda. Haha

Now, I know it just because of you!

But what about [security](#) and privacy? Is it more secure than windows?

▲ 1

Emily Olivia

03/01/2020 03:06 PM



▲ 1

Alcides Neto

03/01/2020 11:29 PM

Cannot install Anaconda Prompt anymore in Windows 10... I am desperate with this error. The only files/folders that remain after Anaconda install (C:\ProgramData\Anaconda3):

conda-meta

Lib

pkgs

Uninstall-Anaconda3.exe

_conda.exe

Please help me, I've searched for the solution for a week, but nothing works.

▲ 2

Michael Galarnyk

27/01/2020 10:45 PM

Follow this link: <https://medium.com/@GalarnykMichael/install-python-anaconda-on-windows-2020-f8e188f9a63d>

The idea is to click and run the program as administrator.

<https://youtu.be/uOwCiZKj2rg>

▲ 2

Apk Cartoon

26/02/2020 10:44 PM

Even I was wondering about this. Even I found this super informative. You can download the [cyber hunter MOD Apk](#) from Apk Rule.

▲ 1

Zaheer Ahmad

17/01/2020 01:11 PM

Hi Everyone....!

Using this command "where conda" in Both CMD and ANACONDA PROMPT,

I am getting this message: INFO: could not find files for the given pattern(s).

Kindly help me through this..I shall be very thankful...!

▲ 2

Hamza Mohammad Khan

21/01/2020 02:11 AM

Having problems while using Anaconda command prompt still saying not identified

▲ 0

chibukai shi

08/03/2020 03:27 PM



▲ 1

milinda bla

11/03/2020 08:00 AM

Je ne comprends toujours pas vraiment Anaconda sur Windows, mais je sais que dans le [Play Store](#), il existe de nombreuses applications intéressantes sur [iplaystoreloadfree.com](#)

▲ 1

thomas tina

16/03/2020 07:10 AM

Anaconda is a great application that helps me a lot at work, it becomes even more special when I use the [Mod Apk](#) version, I use on happyandroid.net this is the address that many people know.

▲ 2

Subscribe to RSS

[About](#) [Terms](#) [Privacy](#)