

Lecture 02 Supplementary

Anaconda Install on Windows

Deep Azure

What is Anaconda?

[https://en.wikipedia.org/wiki/Anaconda_\(Python_distribution\)](https://en.wikipedia.org/wiki/Anaconda_(Python_distribution))

- 'open source distribution of the **Python** and R **programming** languages for large-scale data processing, predictive analytics, and scientific computing, that aims to simplify package management and deployment. Package versions are managed by the package management system conda'

<https://www.anaconda.com/what-is-anaconda/>



My Environment Set up

My environment:

1. Windows 10 64-bit

View basic information about your computer	
Windows edition	
Windows 10 Home	
© 2017 Microsoft Corporation. All rights reserved.	
System	
Manufacturer:	Dell
Model:	Inspiron 5423
Processor:	Intel(R) Core(TM) i3-2367M CPU @ 1.40GHz 1.40 GHz
Installed memory (RAM):	6.00 GB (5.87 GB usable)
System type:	64-bit Operating System, x64-based processor
Pen and Touch:	No Pen or Touch Input is available for this Display

2. I have Anaconda 3.6.2 64-bit (latest installed):

```
C:\Users\dhoward>python
Python 3.6.2 |Anaconda, Inc.| (default, Sep 19 2017, 08:03:39) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
```

3. My environment variables:

C:\Users\dhoward\anaconda3_64bit

c:\users\dhoward\anaconda3_64bit\scripts

C:\Users\dhoward\anaconda3_64bit
c:\users\dhoward\anaconda3_64bit\scripts

Anaconda Windows Installation Instructions

Note: You do not need to install as Administrator unless admin privileges are needed...

The screenshot shows the Anaconda Documentation website at <https://docs.anaconda.com/anaconda/install/windows>. The page title is "Installing on Windows". The sidebar on the left lists navigation options under "Anaconda Platform", including "Welcome", "Anaconda Distribution", "Installation", "System requirements", "Detailed Installation Information", "General Installation Information", "Silent mode Install", "Installing Anaconda on a non-networked machine (air gap)", "Packages", "User guide", "Anaconda Navigator", "Frequently asked questions", "Help and support", "Release notes", "Glossary", "Anaconda End User License Agreement", and "Anaconda Navigator or conda?".

The main content area shows the following steps:

1. [Download the Anaconda Installer.](#)
2. Optional: [Verify data integrity with MD5 or SHA-256.](#) [More info on hashes](#)
3. Double click the installer to launch.
NOTE: If you encounter any issues during installation, temporarily disable your anti-virus software during install, then re-enable it after the installation concludes. If you have installed for all users, uninstall Anaconda and re-install it for your user only and try again.
4. Click Next.
5. Read the licensing terms and click "I Agree".
6. Select an install for "Just Me" unless you're installing for all users (which requires Windows Administrator privileges) and click Next.
7. Select a destination folder to install Anaconda and click the Next button. See [FAQ](#).

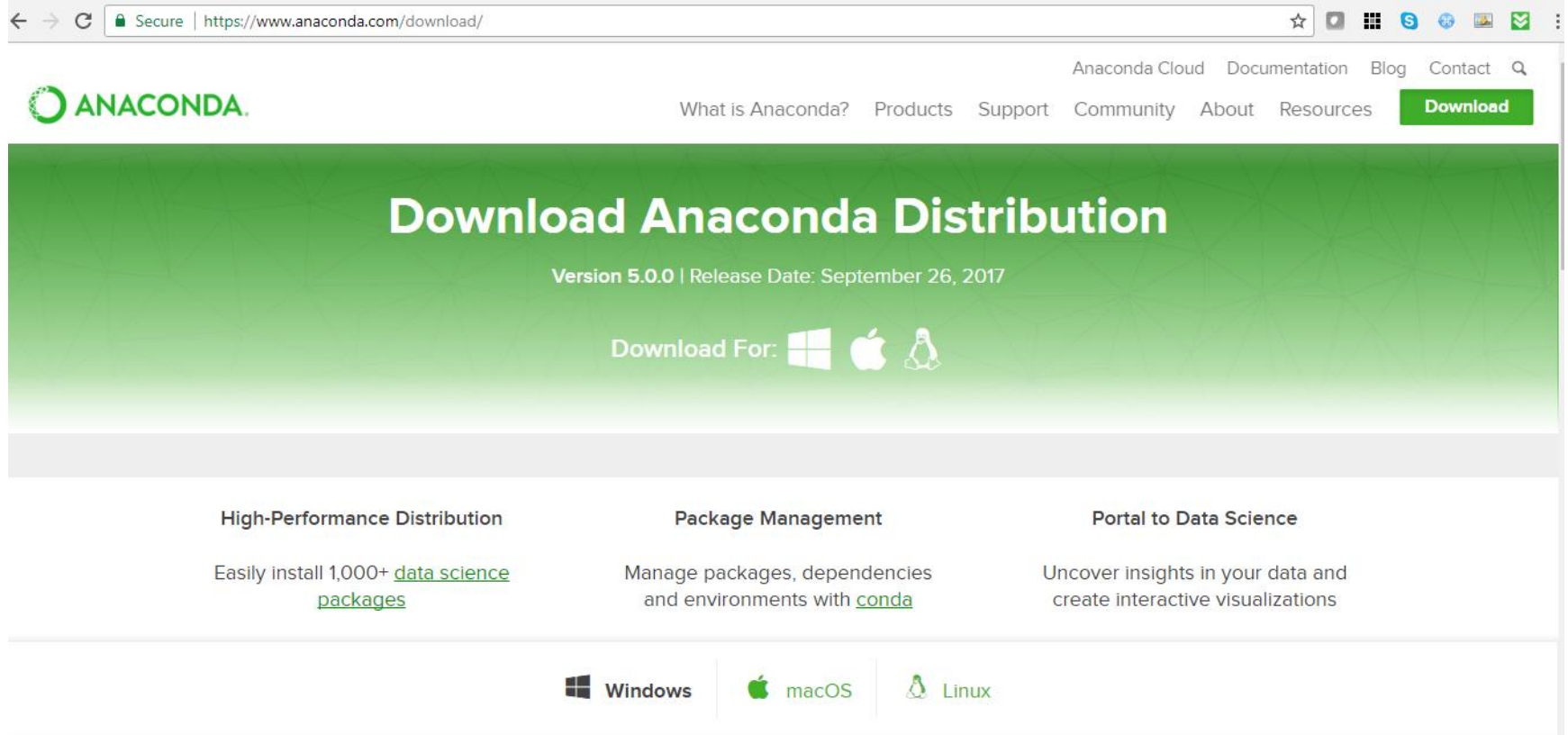
Additional notes:

- NOTE: Install Anaconda to a directory path that does not contain spaces or unicode characters.
- NOTE: Do not install as Administrator unless admin privileges are required.

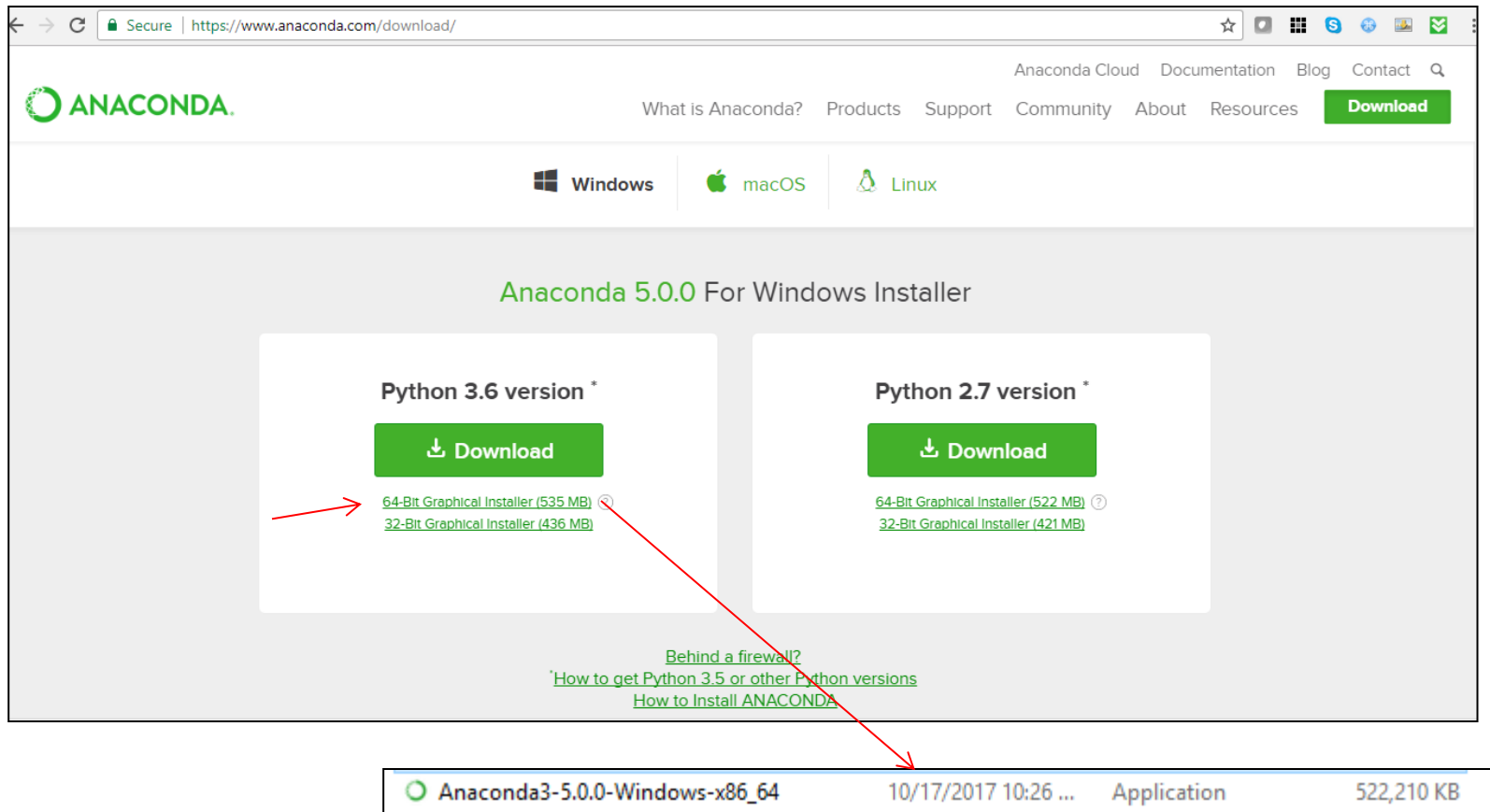
An installer window titled "Anaconda3 4.4.0 (64-bit) Setup" is overlaid on the page. It shows the "Choose Install Location" step, asking to "Choose the folder in which to install Anaconda3 4.4.0 (64-bit)". A message at the bottom states: "Setup will install Anaconda3 4.4.0 (64-bit) in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue."

Where do you get Anaconda?

<https://www.anaconda.com/download/>

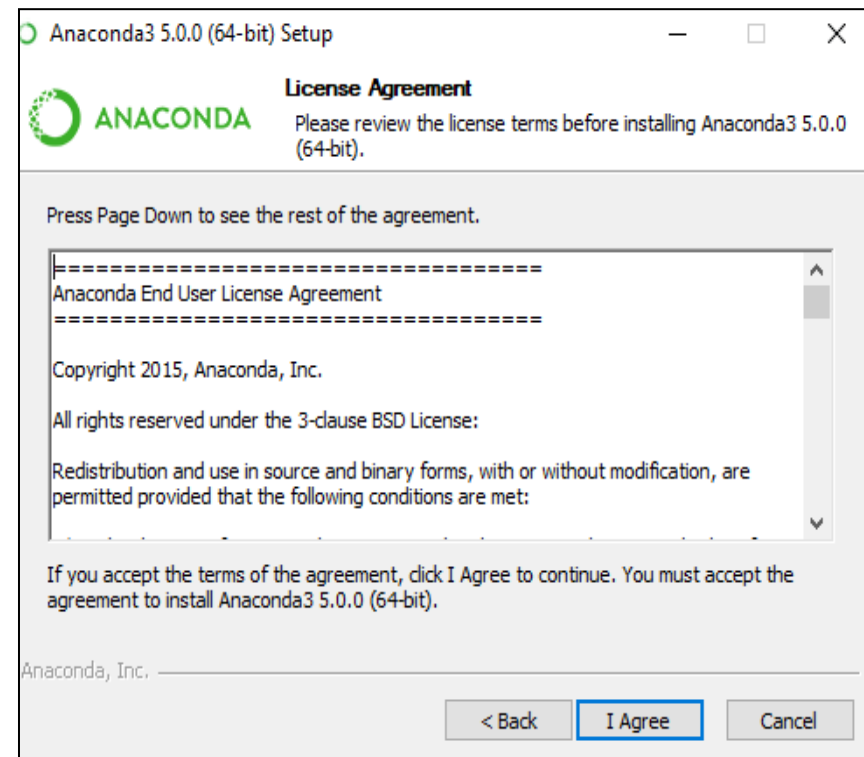


Scroll down to the bottom of the Anaconda Screen

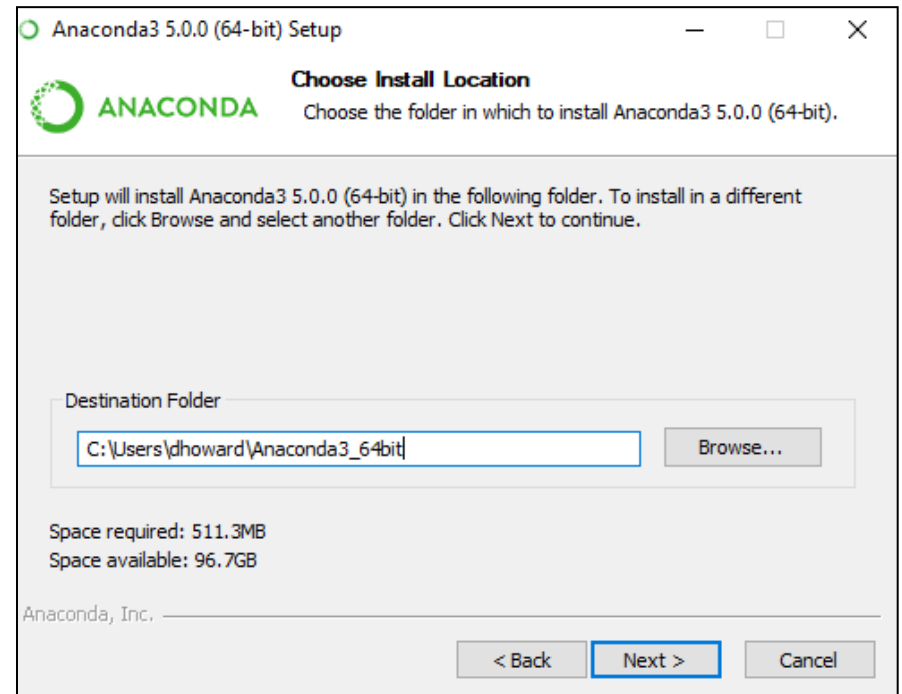
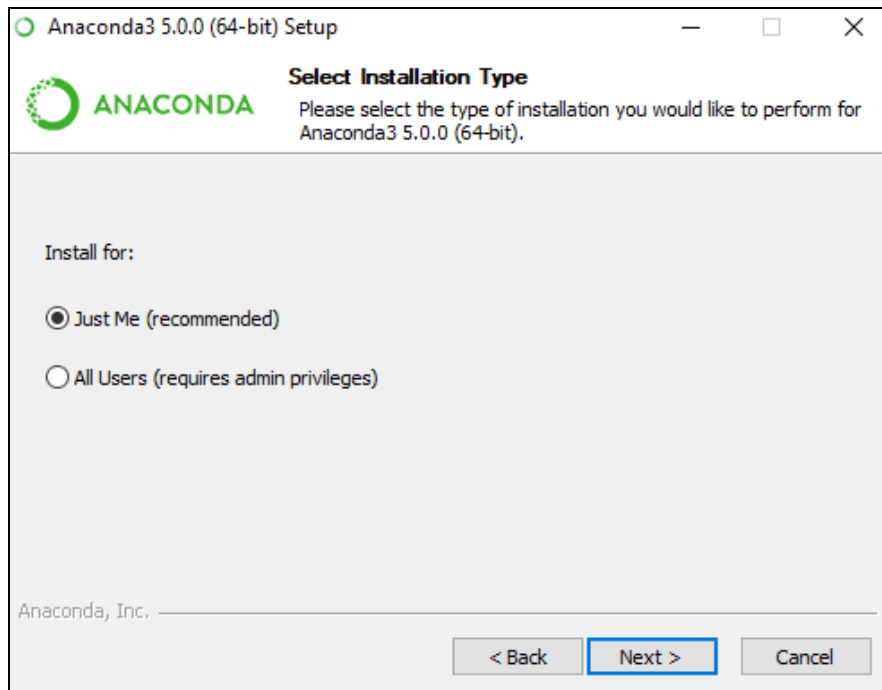


Anaconda3 (64-bit) Installation

 Anaconda3-5.0.0-Windows-x86_64	10/17/2017 10:26 ...	Application	522,210 KB
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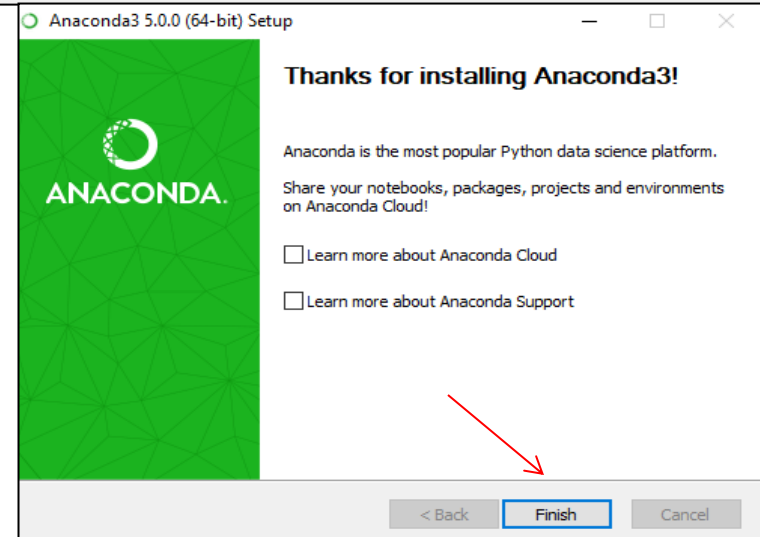
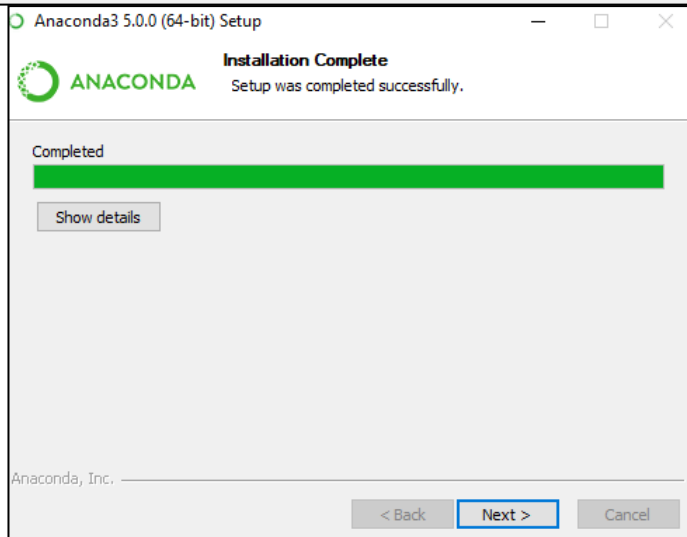
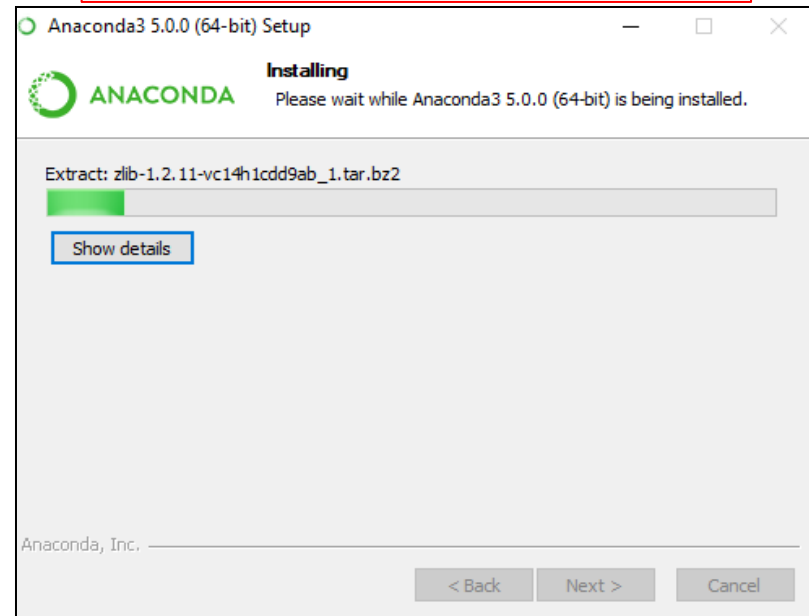
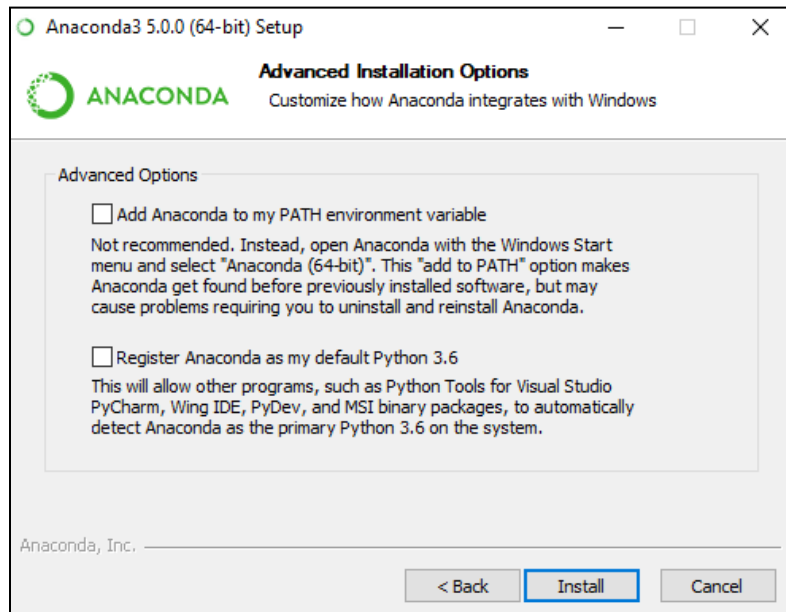


Anaconda3 (64-bit) Installation continued



Anaconda3 (64-bit) Installation continued...

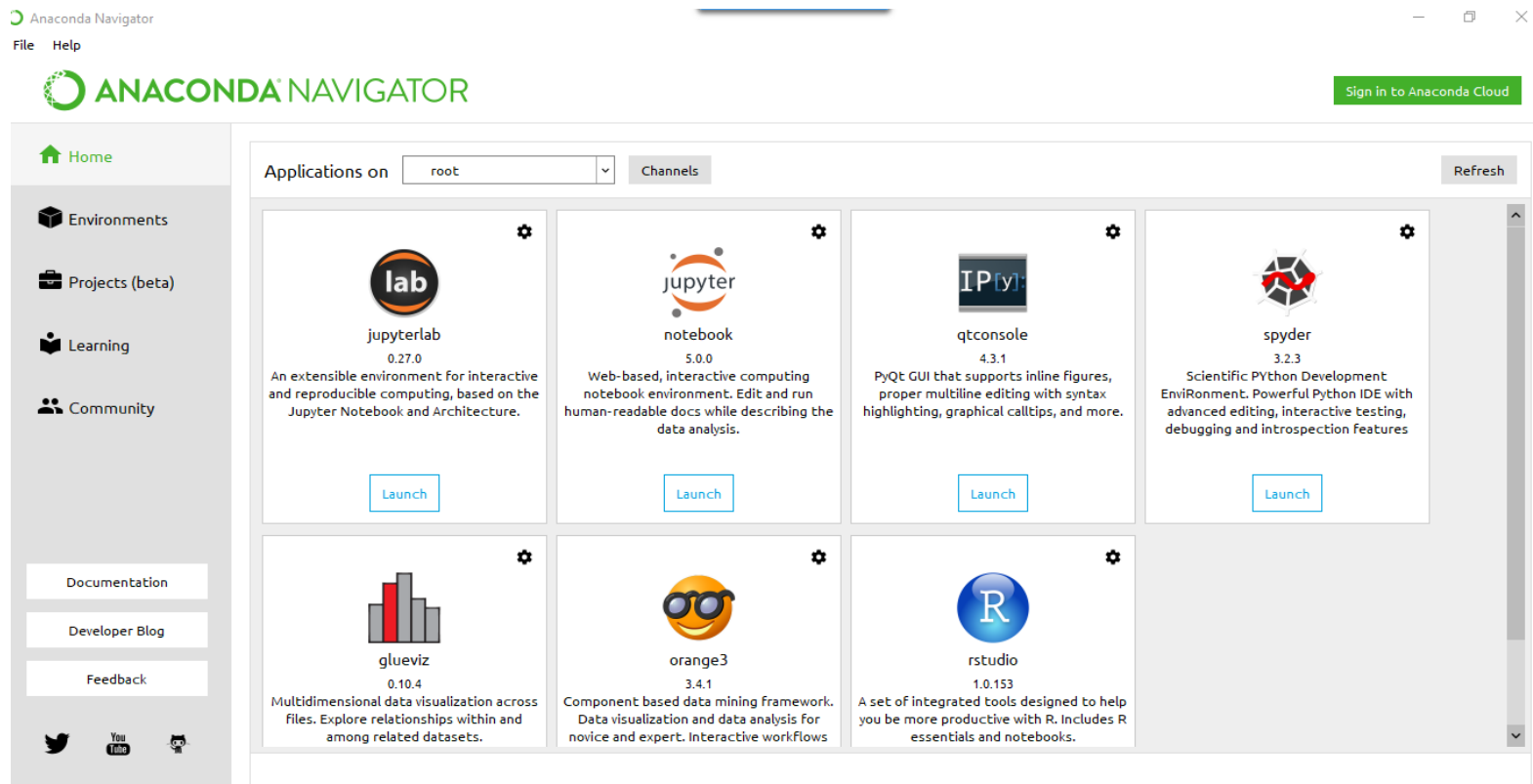
This step takes a very long time!



Verification of Successful Anaconda Install

<https://docs.anaconda.com/anaconda/install/windows>

- ‘verify it by opening Anaconda Navigator, a program that is included with Anaconda: from your Windows Start menu, select the shortcut Anaconda Navigator. If Navigator opens, you have successfully installed Anaconda.’



Test Anaconda

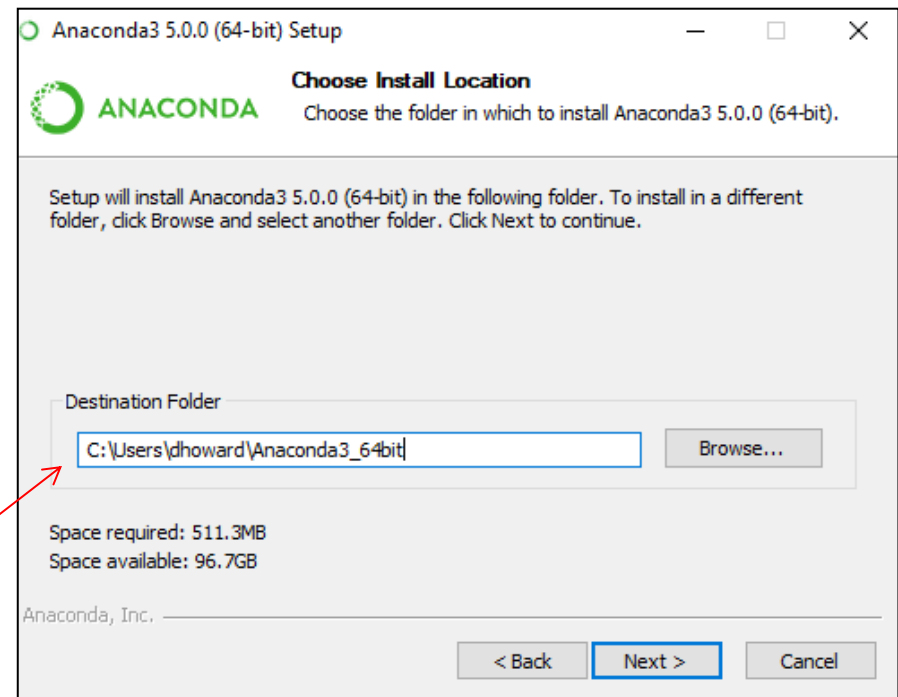
Start up Anaconda Python

- Go to directory where you installed it.

>python

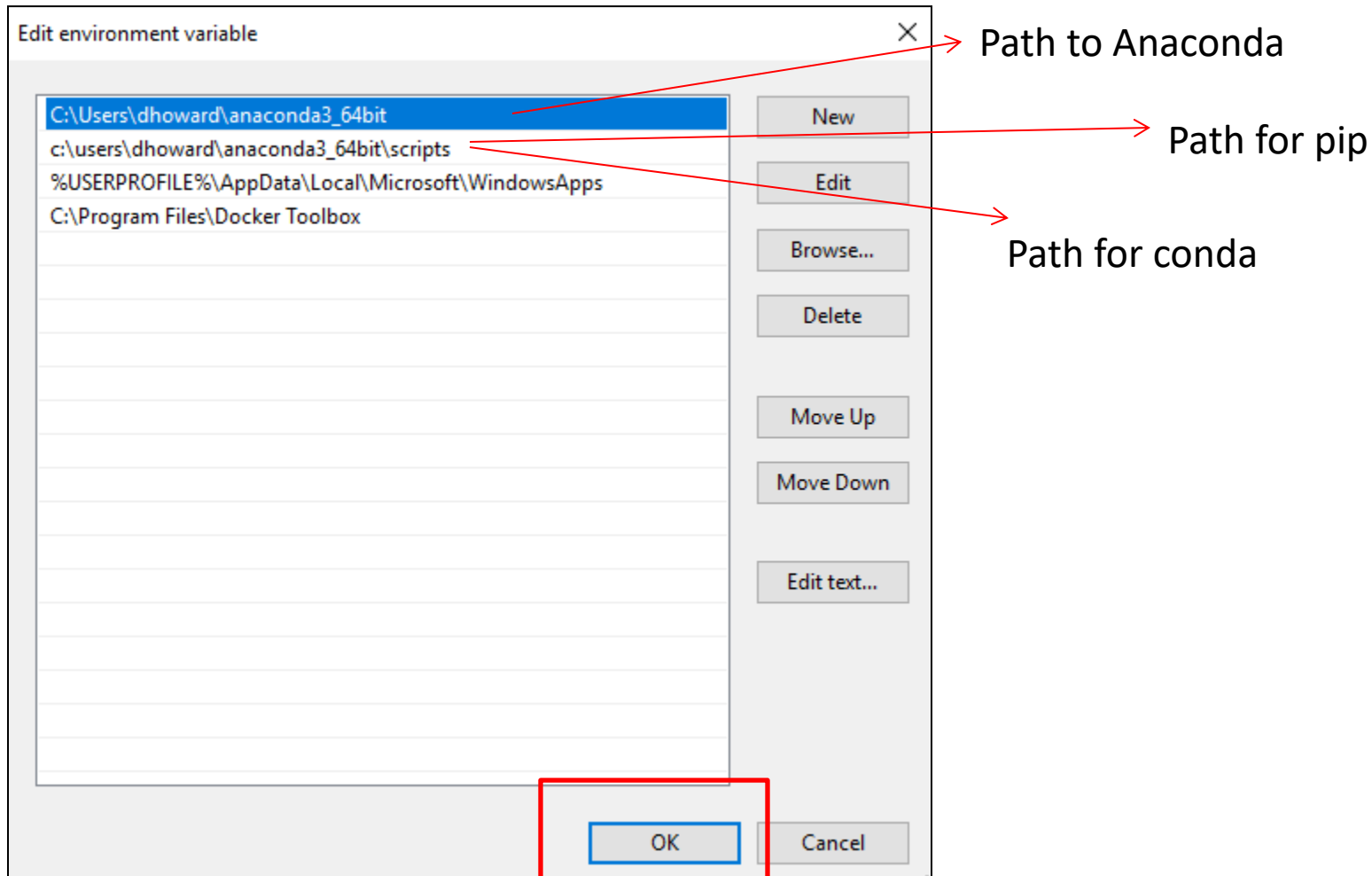
Note: in your Start up Menu you will see the following tools that was installed:

1. Anaconda Notebook
2. Jupyter Notebook
3. Anaconda Prompt



```
c:\Users\dhoward\Anaconda3_64bit>python
Python 3.6.2 |Anaconda, Inc.| (default, Sep 19 2017, 08:03:39) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

Set up Environment Variable for Anaconda3



Open a new Command Window and Test it out!

Check Python version (note: there are 2 hyphens)

>python --version

```
C:\Users\dhoward>python --version
Python 3.6.2 :: Anaconda, Inc.
```

Where is Python installed?

>where python

C:\Users\dhoward\anaconda3_64\python.exe

Where is pip installed?

>where pip

Where is conda installed?

>where conda

```
C:\Users\dhoward>where python
C:\Users\dhoward\anaconda3_64bit\python.exe
```

```
C:\Users\dhoward>where pip
c:\Python27\Scripts\pip.exe
c:\Users\dhoward\anaconda3_64bit\Scripts\pip.exe
```

```
C:\Users\dhoward>where conda
c:\Users\dhoward\anaconda3_64bit\Scripts\conda.exe
```

How do I start Python Anaconda?

Start the Anaconda Interpreter:

C:\>python

Notice: version 3.6.2 and 64-bit

```
C:\Users\dhoward>python
Python 3.6.2 [Anaconda, Inc.] (default, Sep 19 2017, 08:03:39) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> 3+5
8
>>>
```