Getting Started with RDKit and Jupyter Notebooks

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The actual tutorial will be in the Jupyter notebook

However, there are a few steps that need to be done before you can get started, if you have never used a Jupyter notebook before, or in particular RDKit

Please follow these steps before the Jupyter tutorial in case things go wrong, so that we can have a smooth session :)

How to use the Jupyter Notebook

Download and install Anaconda https://www.anaconda.com/products/individual

Two ways to create the environment:

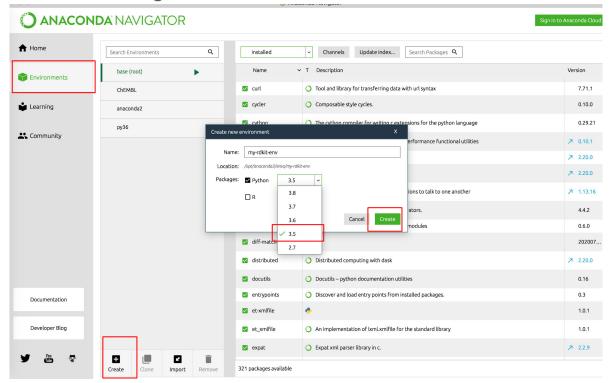
1. Command line

- \$ conda create -c conda-forge -n my-rdkit-env rdkit
- \$ conda activate my-rdkit-env
- \$ conda install -c conda-forge notebook
- \$ jupyter notebook

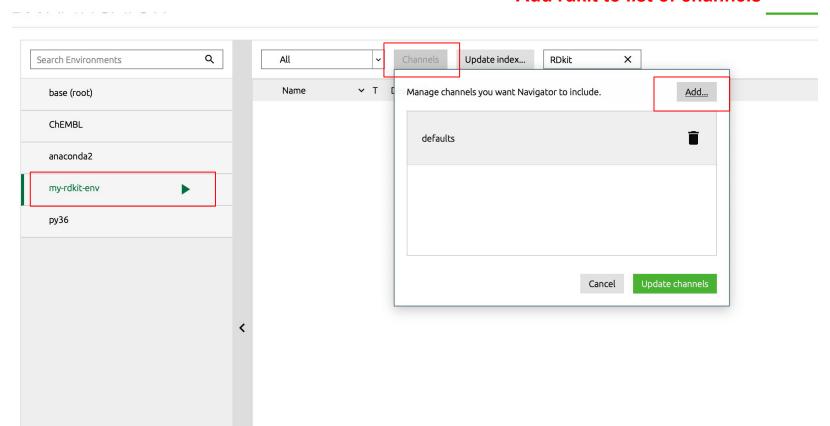
How to use the Jupyter Notebook

YOU MUST SELECT PYTHON 3.5! NOT 3.8!

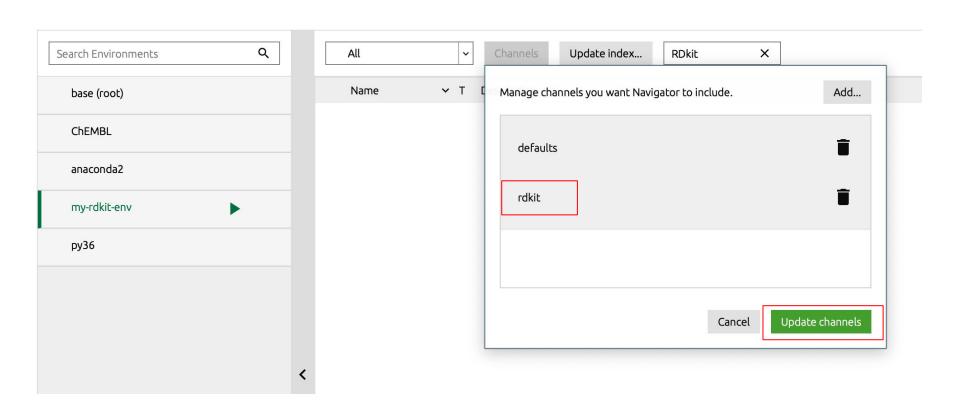
2. Using the Anaconda navigator



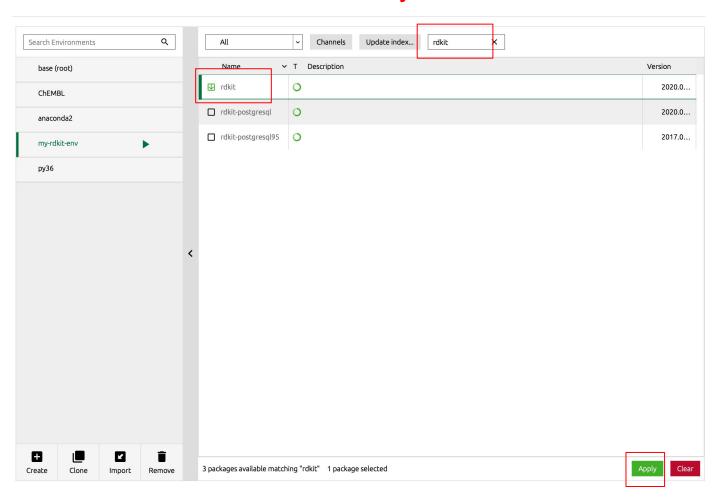
Add rdkit to list of channels



Make sure you update channels



Now you can search for and install RDKit



Install Packages

X

33 packages will be installed

	Name	Unlink	Link	Channel	
1	rdkit		2017.09.3.0	rdkit	^
2	*blas	-	1.0	pkgs/main	
3	*boost	-	1.63.0	rdkit	
4	*bzip2	-	1.0.8	pkgs/main	
5	*cairo	-	1.14.12	pkgs/main	
6	*fontconfig	-	2.13.0	pkgs/main	~

* indicates the package is a dependency of a selected package

Apply the installed packages :)

Cancel

Apply



Go to Home and select your new env



Environments

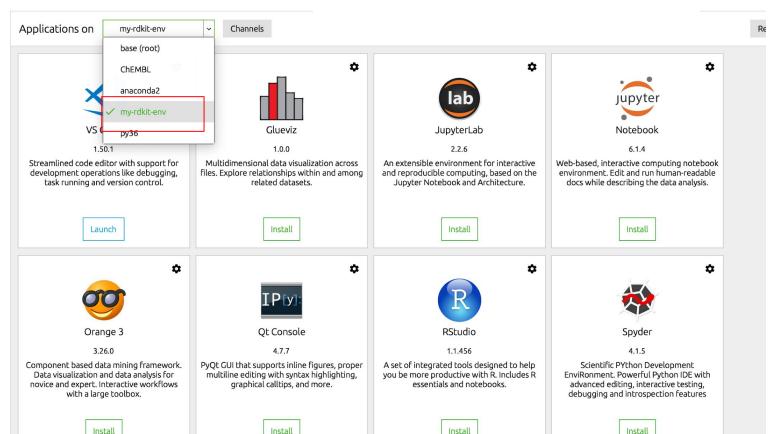
Learning

Community

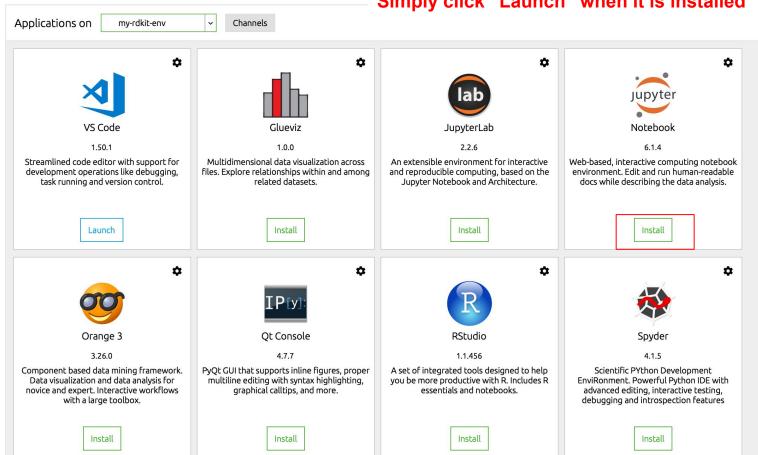


Documentation

Developer Blog



Install Jupyter Notebook in this env Simply click "Launch" when it is installed



Now, open the "RDKit_Tutorial.ipynb" and get started!

If you run into issues, try installing the "conda-forge" channel RDKit by adding "conda-forge" to list of channels

Any other issues please email me lh605@cam.ac.uk