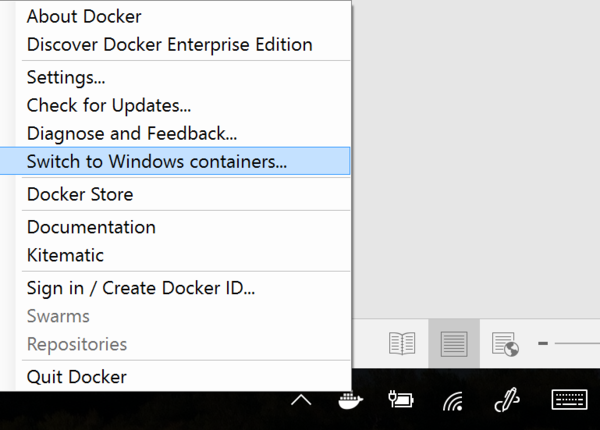
Docker for windows to install Linux

**Installing the required software with Docker**

1. download docker for desktop (<https://www.docker.com/products/docker-desktop>)
2. you will need to set up account with docker.com. After you logged in, select docker desktop for windows.
3. download and install. Just hit “next” till the end.
4. you will be informed to restart your computer.
5. After restart, enable your powershell and type “docker -v” to see if PATH has been setup correctly and docker can work correctly. You will see your docker version with this command, and that means it worked.
6. The default docker is Linux container, and you have it now. If you need to switch, use the docker whale at status bar.



1. You can click Kitematic and download, extract it to C:\Program Files\Docker\Kitematic, to get a graphic interface for Docker.
2. open powershell and run

**docker build -t bio https://raw.githubusercontent.com/PacktPublishing/Bioinformatics-with-Python-Cookbook-Second-Edition/master/docker/Dockerfile**

to setup the python (anaconda) environment for the book. It may take a long time (over 30 minutes) to install, depending on your hardware structure.

1. **run “docker run -ti -p 9875:9875 -v YOUR\_DIRECTORY:/data bio”. You need to create a folder to share with docker. Your windows 10 username need to have a password for docker to login. You will see a token on powershell like** <http://ff33742f0583:9875/?token=6badd00c5199e9a48cf7a558bbe7331f8f17460f8ea6f1f4>

**go to chrome and type localhost:9875**

**copy this token and enter it in the jupyter notebook page to use the jupyter notebook for the book.**

I use “**docker run -ti -p 9875:9875 -v c:\biopython:/data bio”**

