In order to install Docker you can go to store.docker.com and install the CE or EE version as per your choice.

For windows it works with Windows 10 pro/ent edition and with windows server 2016 you get the support for windows containers natively out of the box

In case you are using any of the older version windows you have to install docker tool box

What docker tool box does is that essentially installs a tiny linux VM using virtual box and then once done you can run docker containers on that machine.

In order to access the container on older machines you have to provide the IP address of your machine rather than providing localhost.

In order to interact with that machine that run in Virtual box you can use (docker-machine)

Kitematics also gets installed with Docker toolbox it provides you a GUI interface to create docker containers and pull images from docker hub.

Docker supports powershell out of the box in case you want to use any other command line tools, you have to tweak the settings

#docker-machine env default in order to let that interact it with the server side of docker

In case you want to increase or hardware or CPU you can do it by opening virtual box, stopping the VM and changing the configuration of the VM.

In case you are using the latest edition of windows you can switch between linux containers and Windows container via the system tray in going in to settings for docker

In order to run docker you must have virtualization enabled at the bios level. In latest edition of windows docker runs on hyper-V so for windows container you will find nothing at the Hyper-V desktop however if you choose to run linux containers you will find that there is a tiny VM running on Hyper-V this time.

Going in to the advance settings for Linux containers you can configure how much CPU/RAM should be used by containers

You can also bind your drives with your containers, Binding only work with users directory in terms of windows

In order to install Docker on Mac you have to go to store.docker.com and you can choose CE or EE version for MAC.

Depending on OS version you can install Docker tool box or you can install the latest version of CE

Docker generally comes in two version

* Edge
* Stable

Edge version can be referred as Beta version which keeps on changing every month as Docker releases new version every month

Stable version changes every quarter, and the support for that is extended for one additional month.

Docker needs admin privileges to run, so in case you are running it on MAC/Linux you have to provide root privileges either at the installation or you have to add your user to the docker group.

# usermod -aG <username> <docker>

Note :- whenever you have a code that you are working with and that is in the host machine or the local machine. You can mount that directory as a volume in the container and make use of that code inside your container. Whatever changes you make in the code at the host level you will find that in the container.

The changes that you make however is not persistent in case you want to run the container again unless you create a commit out of that container and create that as a new image.

In order to configure Docker you have to go in to preferences. And then configure that for you. Docker starts everytime the computer starts.

File Sharing is an option that would bind mount a local directory in your container.

Advanced option is where you can configure your computing resources, on a mac it does run on another linux VM which is already inbuilt in the mac

Mac does not support docker container natively as the kernel is different from Linux distro, just to mention that docker will not take all the space whatever you are using it. It will take whatever is required as per the container needs.