Docker (<https://www.docker.com/>) with OpenCPU

1. Install docker
   1. For Windows from <https://store.docker.com/editions/community/docker-ce-desktop-windows>
   2. For Mac from <https://www.docker.com/docker-mac>

A whale should be popping up in the taskbar (and “Docker is running). By right-click, you have some options. If you have no internet, connection (e.g. WLAN) use a good docking station with LAN cable for internet access.

Let assume that we are on Windows!

1. Test docker in Windows PowerShell: $ docker run hello-world
2. Search for an Ubuntu image on <https://hub.docker.com/_/ubuntu/>
3. Create a Dockerfile (by using in PowerShell: New-Item C:\...\openCPU\Dockerfile –type file)
4. type the commands in this file as follows:
5. Put the .tar.tz file into the same directory as the Dockerfile
6. In PowerShell:
7. Set the directory from the dockerfile by cd C:\...\openCPU
8. docker build .
9. docker run -p 80:80 –p 443:443 –p 8004:8004 --name <new image name> <image ID> e.g. docker run -p 80:80 –p 443:443 –p 8004:8004 --name test f92e0e889fb7
10. If it stated OpenCPU cloud server ready, one can test the ports and POSTs…