Import from Image

Thursday, May 7, 2020   11:26 PM

Download Docker toolbox and install it.
Download stdlinux image from: https://osu.box.com/s/22qx7fzyoaznykl1x9lj82shbpccezfv

1. Download image and put the .tar into the same folder of Docker tool box (typical address is c/Program Files/Docker Toolbox)

2. Type command "docker load --input stdlinux_for_cse2421.tar" and hit enter. This command will load image package in your pc. The process may last 2-4 minutes.

```
b7f7d2967507: Loading layer [==================================================>]  65.58MB/65.58MB
a6ebef4a95c3: Loading layer [==================================================>]  991.2kB/991.2kB
838a37a24627: Loading layer [==================================================>]  15.87kB/15.87kB
28ba7458d04b: Loading layer [==================================================>]  3.072kB/3.072kB
43738cfa22d2: Loading layer [==================================================>]  399.8MB/399.8MB
6a0b01a77806: Loading layer [==================================================>]  481.4MB/481.4MB
4efb6b1290f4: Loading layer [==================================================>]  79.23MB/79.23MB
6a33ece4d0cb: Loading layer [==================================================>]  26.11kB/26.11kB
67b8e4af28b3: Loading layer [==================================================>]  26.11kB/26.11kB
799bc737c760: Loading layer [==================================================>]  89.38MB/89.38MB
7a71c6457dd7: Loading layer [==================================================>]  2.56kB/2.56kB
50b87859ebef: Loading layer [==================================================>]  48.33MB/48.33MB
53a0cc48680d: Loading layer [==================================================>]  5.52MB/5.52MB
4c0f8aafd07e: Loading layer [==================================================>]  2.093MB/2.093MB
31de95493da3: Loading layer [==================================================>]  7.168kB/7.168kB
c72d0f25c3fc: Loading layer [==================================================>]  28.49MB/28.49MB
c0f553450acb: Loading layer [==================================================>]  164.7MB/164.7MB
a5f054c5c841: Loading layer [==================================================>]  3.789MB/3.789MB
b869dc22a531: Loading layer [==================================================>]  25.34MB/25.34MB
7363ca9f4d99: Loading layer [==================================================>]  39.42kB/39.42kB
41344786f781: Loading layer [==================================================>]  53.82MB/53.82MB
80033a7999a1: Loading layer [==================================================>]  3.372MB/3.372MB
2062522bffd1: Loading layer [======>                                            ] 452062522bffd1: Loading layer  206.6MB/206.6MB
50acc84b7138: Loading layer  91.52MB/91.52MB
759e9dc66d2e: Loading layer  374.6MB/374.6MB
Loaded image ID: sha256:d7585477af3e1fccee0c323662d07ebe220c17882b919d3c3b50ef39199a9837
```

3. Type command "docker image ls" and hit enter. You should see a list of image exist in your pc. If you haven't load any other image, you should only have one image.

```
Zhiren Xu@Y9000X MINGW64 /c/Program Files/Docker Toolbox
$ docker image ls
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
<none>              <none>              d7585477af3e        2 hours ago         2.09GB
```
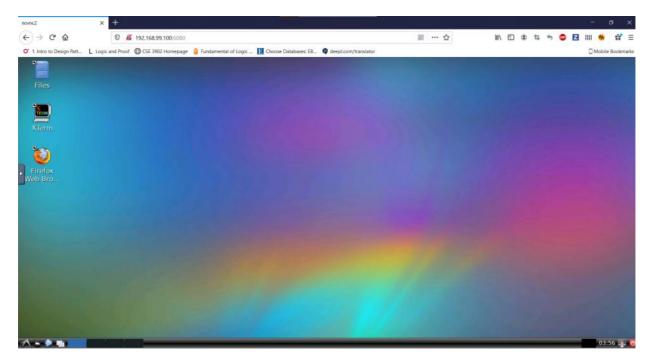
It will have <none> under repository and tag. That's normal. Select the id number under "Image ID" and right click to copy it.

4. Now type "docker run -p 6080:80 --name stdlinux d7585477af3e" and hit under. The ID number at the last of this command should be Image ID on your own pc. "stdlinx" is the container name, you can change it to whatever you want.

5. Now go back to the top of Docker command line.


```
docker is configured to use the default machine with IP 192.168.99.100
For help getting started, check out the docs at https://docs.docker.com
```

Select and copy the default machine IP.
Open and maximize your web browser. Copy that address to your browser and add ":6080" behind it. Hit enter and you should be able to see the desktop gui.

6. To stop the container, save everything you did, close the webpage and hit ctrl+c in docker command line. (If you don't have the prompt slash, usually happen in your first run)
   If not, type "docker stop <container name>" and hit enter to stop it.

7. If you want to start the container after it stopped, type "docker start stdlinux" and hit enter. Open the webpage and desktop gui should be there.
   DO NOT use "docker run <image name>" command unless you want a new container being built!
   If you forget your container name, use this command "docker container ps -a". It will list all the container you have on your pc.

8. In case you need to delete the container, use "docker rm <container name>" or "docker rm <container id>". Container will be permanently deleted!

9. In case your container messed up and you need a reset, use "docker restart <container name> or "docker restart <container id>". Your data will be saved, however always keep a backup when things go wrong.