

Networking and System Administration Lab

Assignment: Docker Installation

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Roll no: 23

RMCA-A Sem-II

Step-I

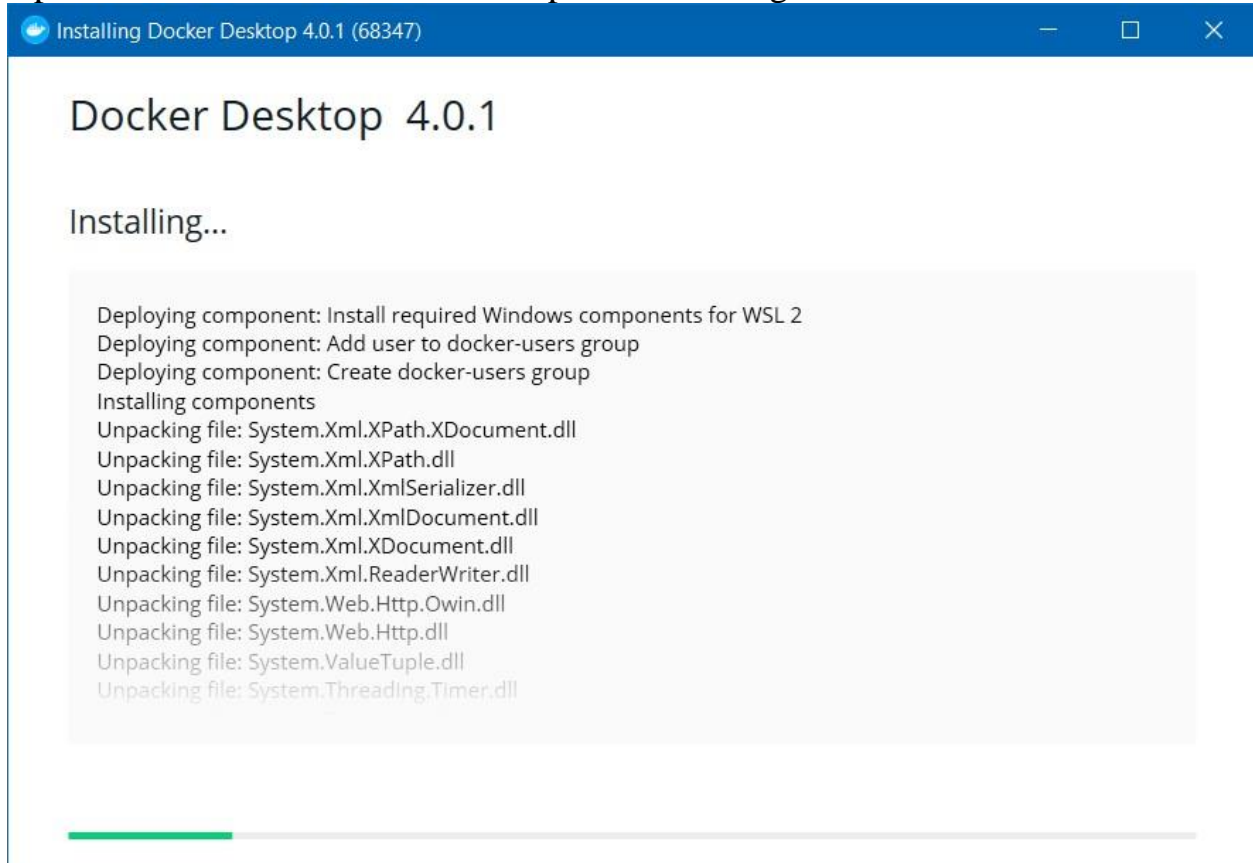
Download Docker Desktop installer for Windows from

<https://desktop.docker.com/win/main/amd64/Docker%20Desktop%20Installer.exe>

 Docker Desktop Installer	9/29/2021 2:51 PM	Application	522,896 KB
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Step-II

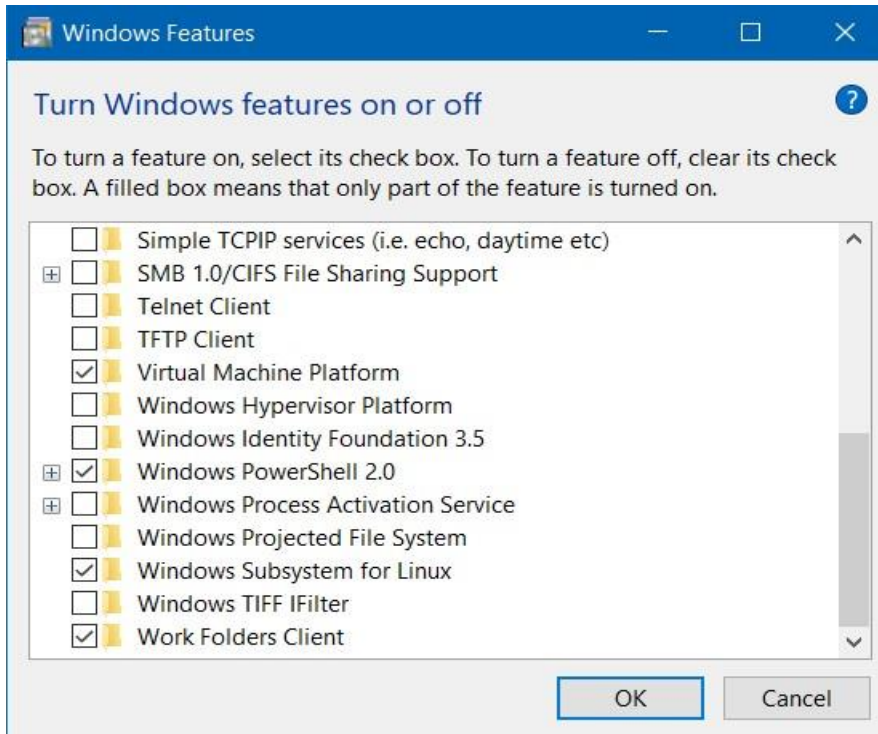
Open the .exe file and follow the steps after clicking install button.



Step-III

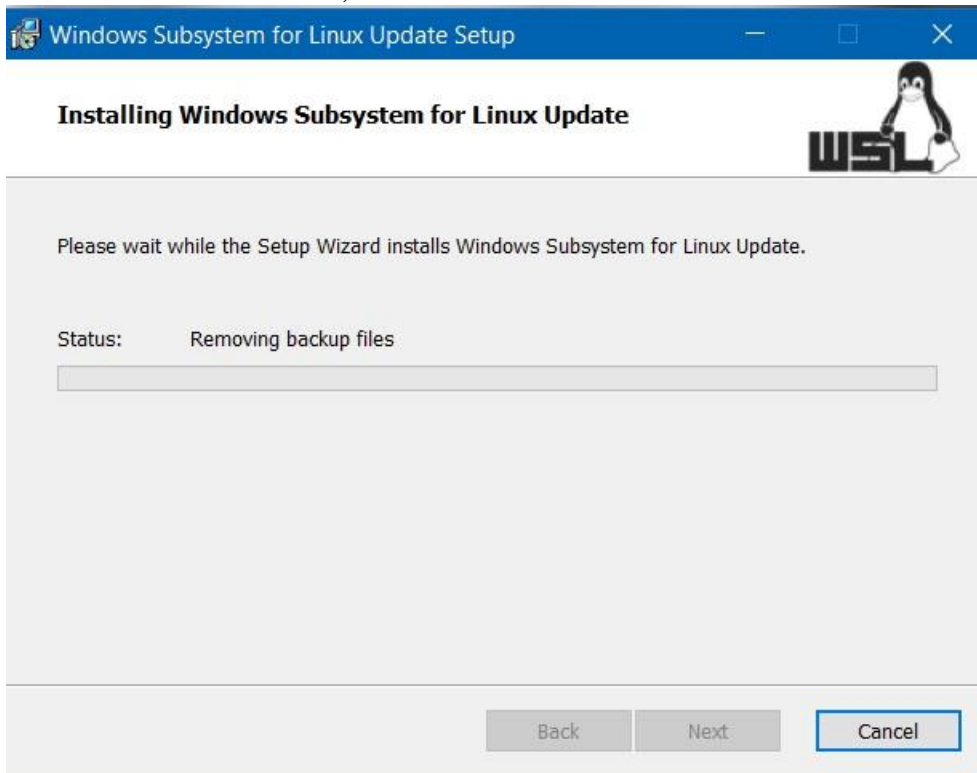
Once installed go to programs and features and click turn on windows features on or off

Scroll to the bottom and select windows subsystem for Linux



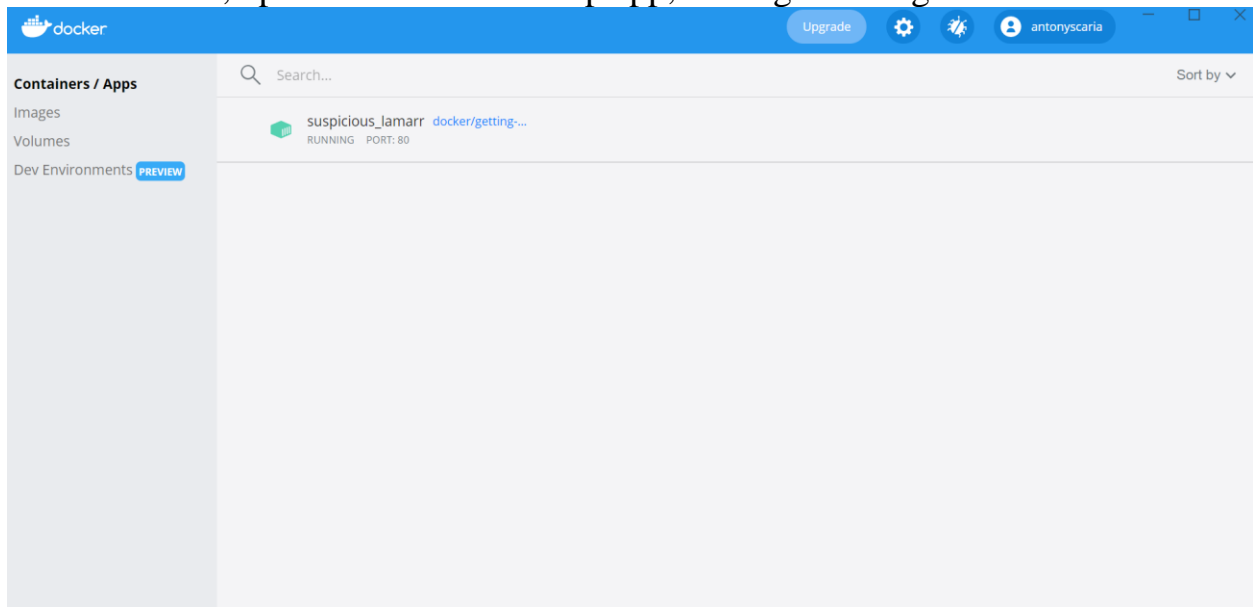
Step-IV

If any WSL 2 error occurs download windows subsystem for linux update package and install the .exe file, after the installation restart the windows device.



Step-V

Once installed, open the docker desktop app, and signin using the dockerID



Step-VI

Now pull any image from docker hub using the docker pull command in the command prompt (eg: docker pull ubuntu)

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19042.1081]
(c) Microsoft Corporation. All rights reserved.


C:\Windows\system32>docker run -d -p 80:80 docker/getting-started
Unable to find image 'docker/getting-started:latest' locally
docker: Error response from daemon: Get "https://registry-1.docker.io/v2/": dial tcp: lookup registry-1.docker.io on 192.168.65.5:53: no such host.
See 'docker run --help'.

C:\Windows\system32>docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
f3ef4ff62e0d: Pull complete
Digest: sha256:65de08a8dabf289ef114053ab32f79e0c333a4fbfa1fe3778bb13ae921a7849b
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest


C:\Windows\system32>
```


Now in the images tab an image of ubuntu will be displayed, we can run the


ubuntu instance using the cli.

 docker

Upgrade





 antonymscaria

Containers / Apps

Images

Volumes

Dev Environments PREVIEW

Images on disk

2 images

Total size: 100.76 MB

IN USE

UNUSED

Clean up...

LOCAL

REMOTE REPOSITORIES

☐ In Use only

NAME ↑		TAG	IMAGE ID	CREATED	SIZE
docker/getting-started	<div>IN USE</div>	latest	083d7564d904	4 months ago	27.99 MB
ubuntu		latest	597ce1600cf4	1 day ago	72.78 MB