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Roll no:28

S2MCA\_A

## Networking & System Administration Lab

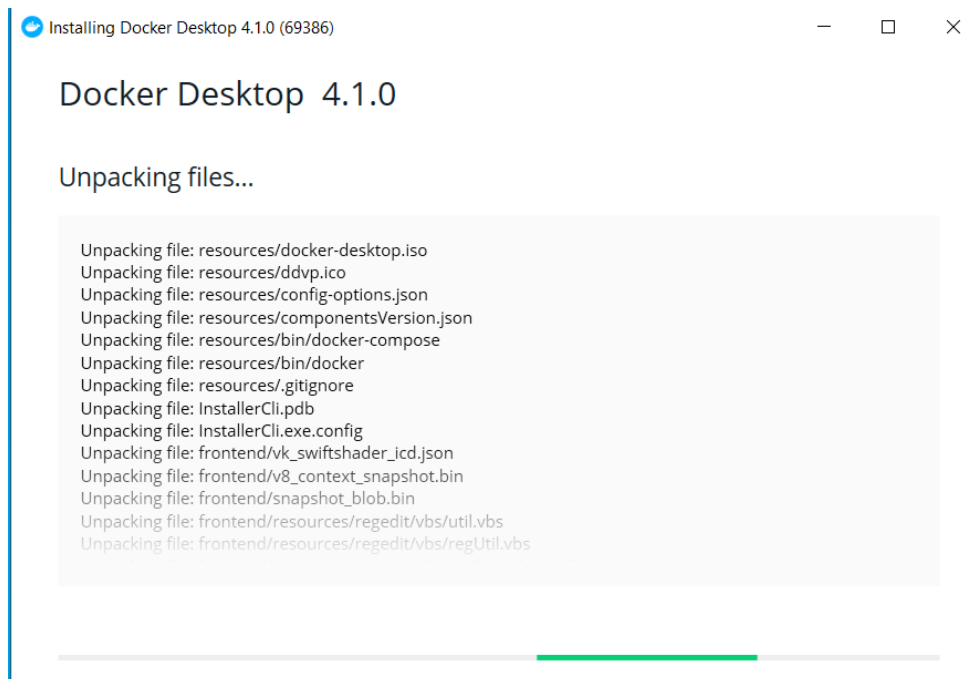
1. Install Docker application to your system and run a docker image instance in your system from docker hub

### Step-I

Download Docker Desktop installer for Windows from  
<https://desktop.docker.com/win/main/amd64/Docker%20Desktop%20Installer.exe>

### Step-II

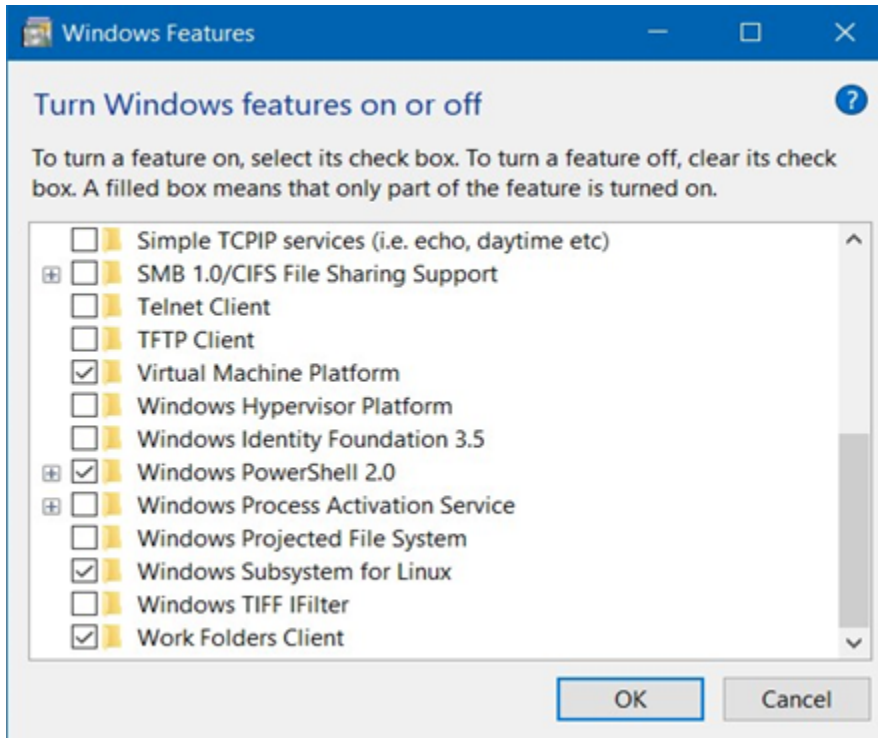
Open the .exe file and follow the steps after clicking install button.



### Step-III

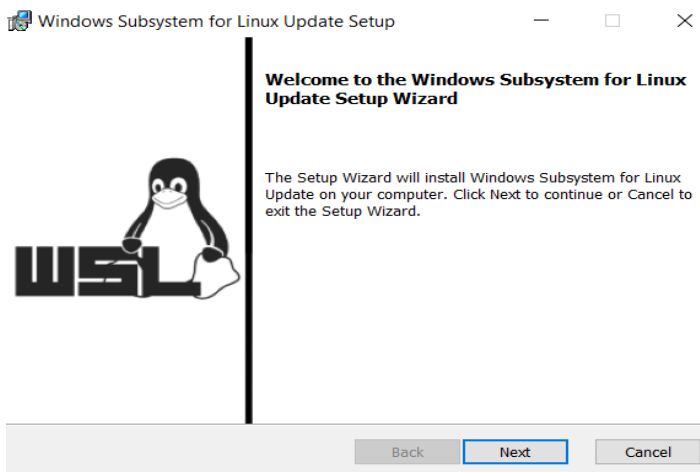
Once installed go to programs and features and click turn on windows features on or off

Scroll to the bottom and select windows subsystem for Linux



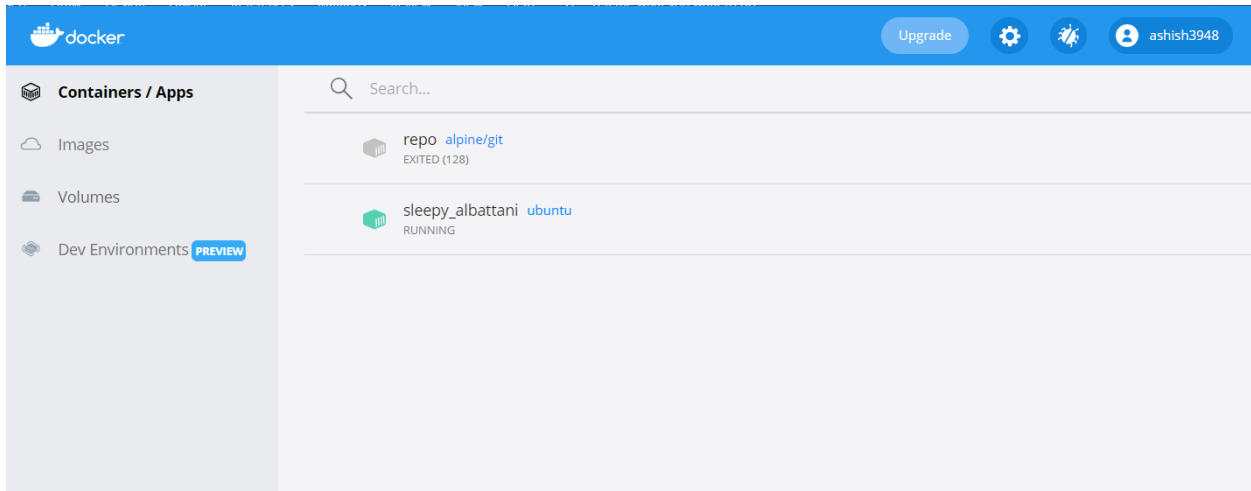
### Step-IV

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)

```
C:\WINDOWS\system32>docker login
Authenticating with existing credentials...
time="2021-10-03T10:55:35+05:30" level=error msg="(d4e4d903) 57ce7544-CredentialHelperPKG C<-S NoResponse POST /registry/credstore-updated (10.0035061s): Post \"http://ipc/registry/credstore-updated\": context deadline exceeded (Client.Timeout exceeded while awaiting headers)[[STACK]]"
time="2021-10-03T10:55:45+05:30" level=error msg="(e4430b7f) 57ce7544-CredentialHelperPKG C<-S NoResponse POST /registry/credstore-updated (10.0080481s): Post \"http://ipc/registry/credstore-updated\": context deadline exceeded (Client.Timeout exceeded while awaiting headers)[[STACK]]"
Login Succeeded



C:\WINDOWS\system32>docker pull ubuntu
Using default tag: latest
Error response from daemon: Get "https://registry-1.docker.io/v2/": net/http: request canceled while waiting for connection (Client.Timeout exceeded while awaiting headers)


C:\WINDOWS\system32>docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
f3ef4ff62e0d: Pull complete
Digest: sha256:44ab2c3b26363823dcb965498ab06abf74a1e6af20a732902250743df0d4172d
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest


C:\WINDOWS\system32>docker run -it ubuntu
root@2533da433e39:/# echo ashish
ashish
root@2533da433e39:/#
```

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

Upgrade



 ashish3948



Images on disk

2 images

Total size: 97.95 MB


IN USE

UNUSED

Clean up...

LOCAL

REMOTE REPOSITORIES

 Search

☐ In Use only

NAME ↑		TAG	IMAGE ID	CREATED	SIZE
alpine/git	IN USE	latest	37ca3b12dde9	6 days ago	25.18 MB
ubuntu	IN USE	latest	597ce1600cf4	2 days ago	72.78 MB