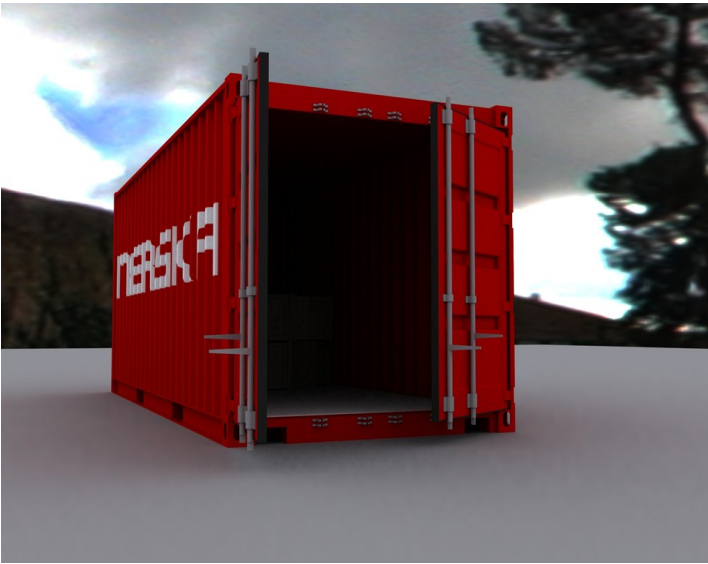
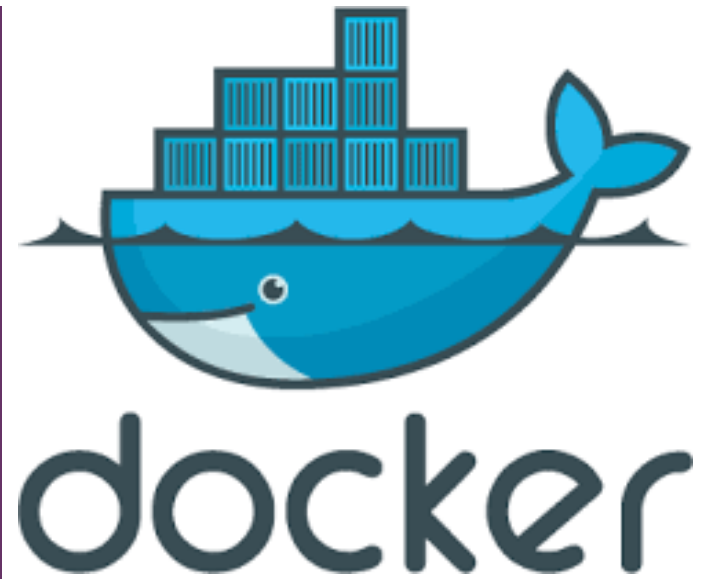


Manual

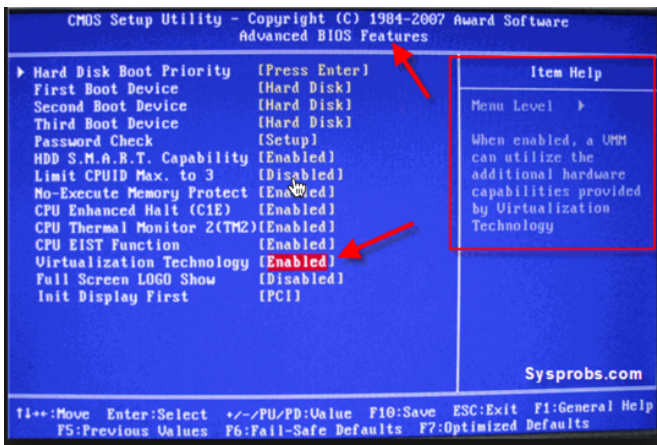


Install Docker for Windows

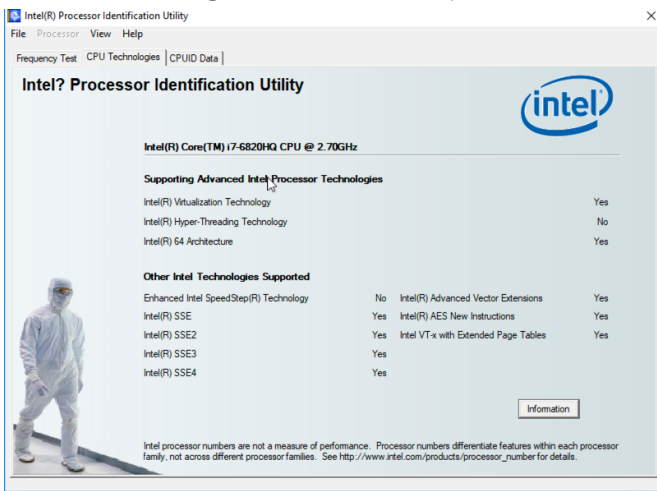
Prerequisite

Enable Virtualization Technology (vt-x/AMD-v) on BIOS:

Normally virtualization technology should be enable by default.

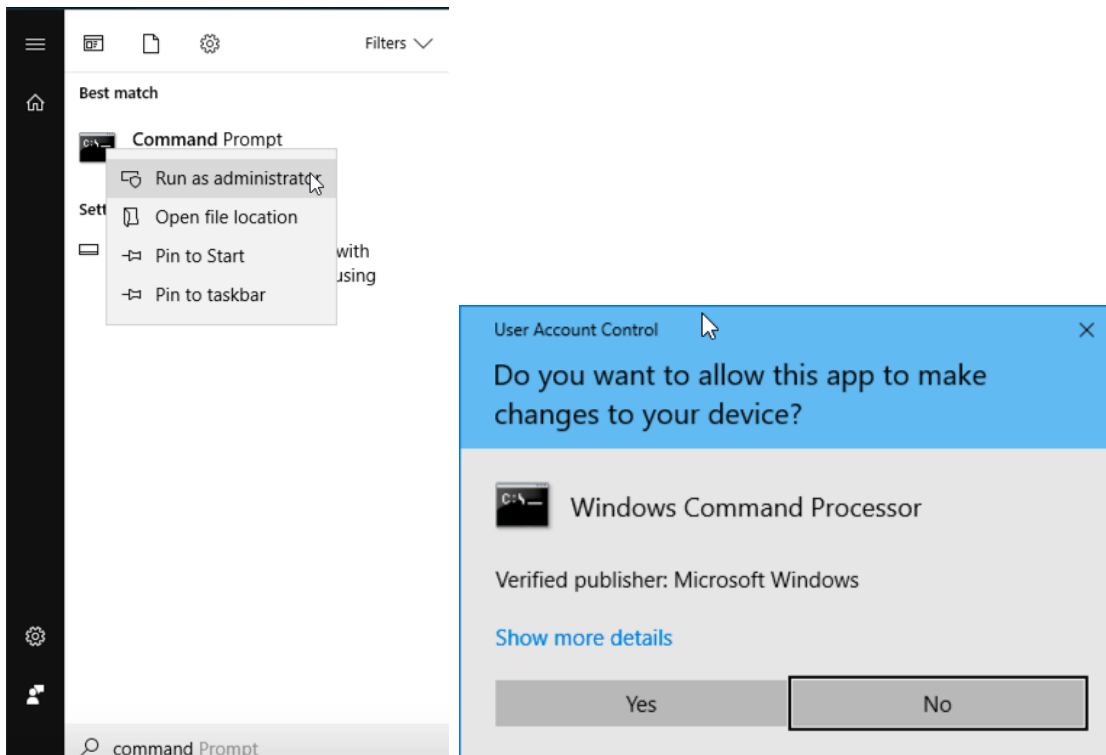


Checking Feature via Utility Tools



Install Docker for Windows

1. Open Command prompt as administrator and Click "Yes"



2. Open Command Prompt with Administrator privilege and run following command below + restart machine

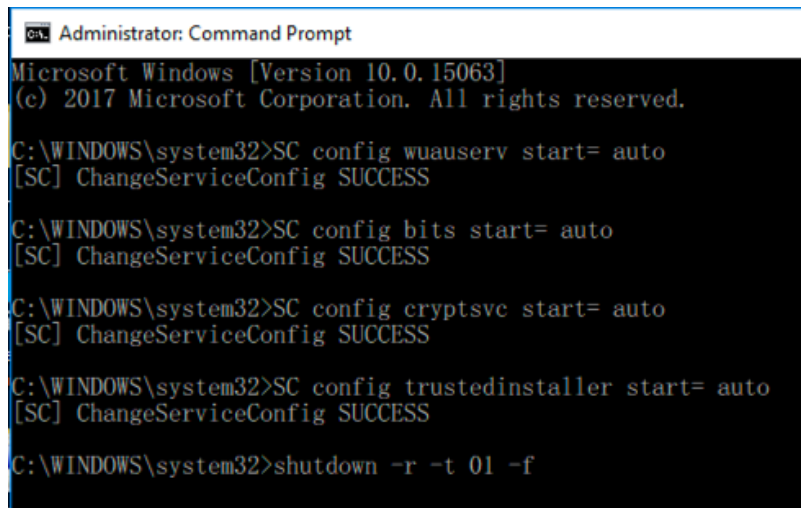
(Ref: technet <https://social.technet.microsoft.com/Forums/ie/en-US/3bc84318-d973-45c2-8218-ff1a24c507d9/if-i-try-to-enable-hyperv-i-have-the-following-error-quotone-or-several-parent-features-are?forum=MVMC>)

SC config wuauserv start= auto

SC config bits start= auto

SC config cryptsvc start= auto

SC config trustedinstaller start= auto



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>SC config wuauserv start= auto
[SC] ChangeServiceConfig SUCCESS

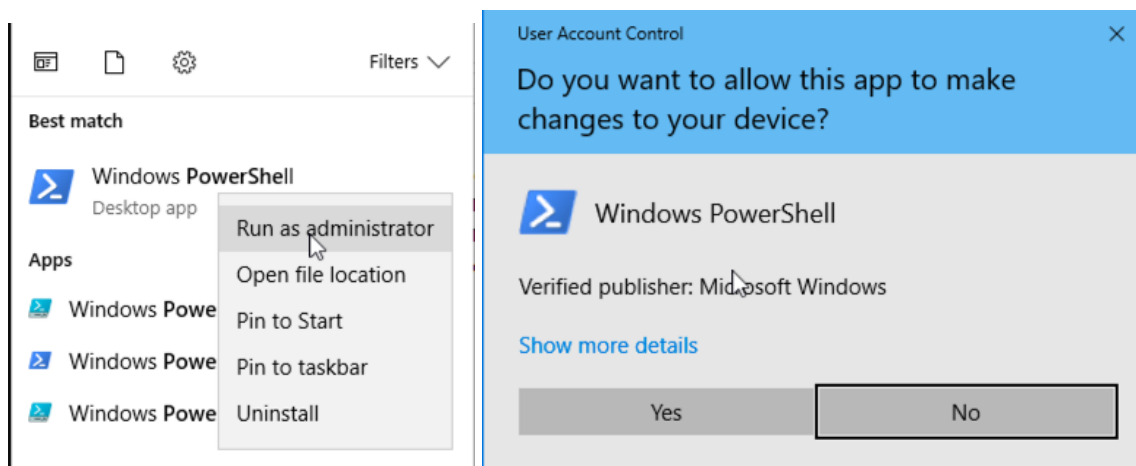
C:\WINDOWS\system32>SC config bits start= auto
[SC] ChangeServiceConfig SUCCESS

C:\WINDOWS\system32>SC config cryptsvc start= auto
[SC] ChangeServiceConfig SUCCESS

C:\WINDOWS\system32>SC config trustedinstaller start= auto
[SC] ChangeServiceConfig SUCCESS

C:\WINDOWS\system32>shutdown -r -t 01 -f
```

3. Open PowerShell by "select windows powershell" and run as administrator

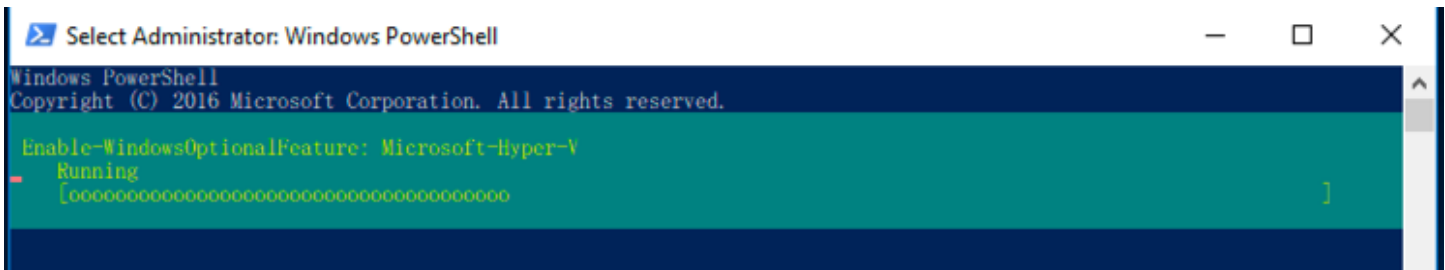


4. Run command

"Enable-WindowsOptionalFeature -Online -FeatureName:Microsoft-Hyper-V -All"

"Enable-WindowsOptionalFeature -Online -FeatureName Containers -All"

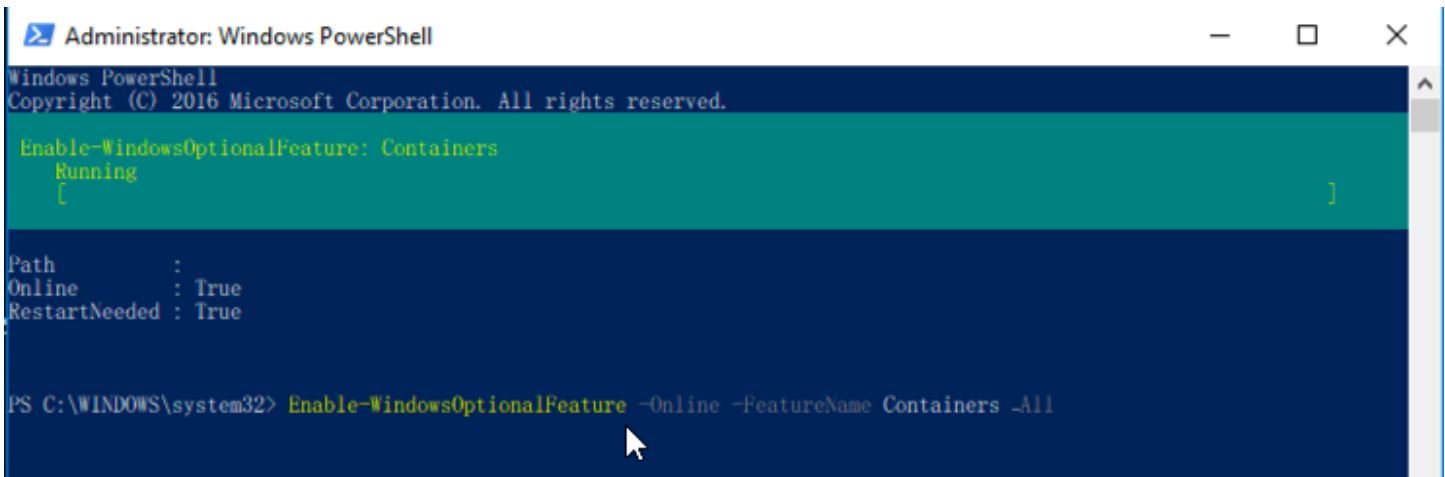
and Restart Machine



```
Select Administrator: Windows PowerShell

Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

Enable-WindowsOptionalFeature: Microsoft-Hyper-V
Running
[oooooooooooooooooooooooooooooooooooooooooooo]
```



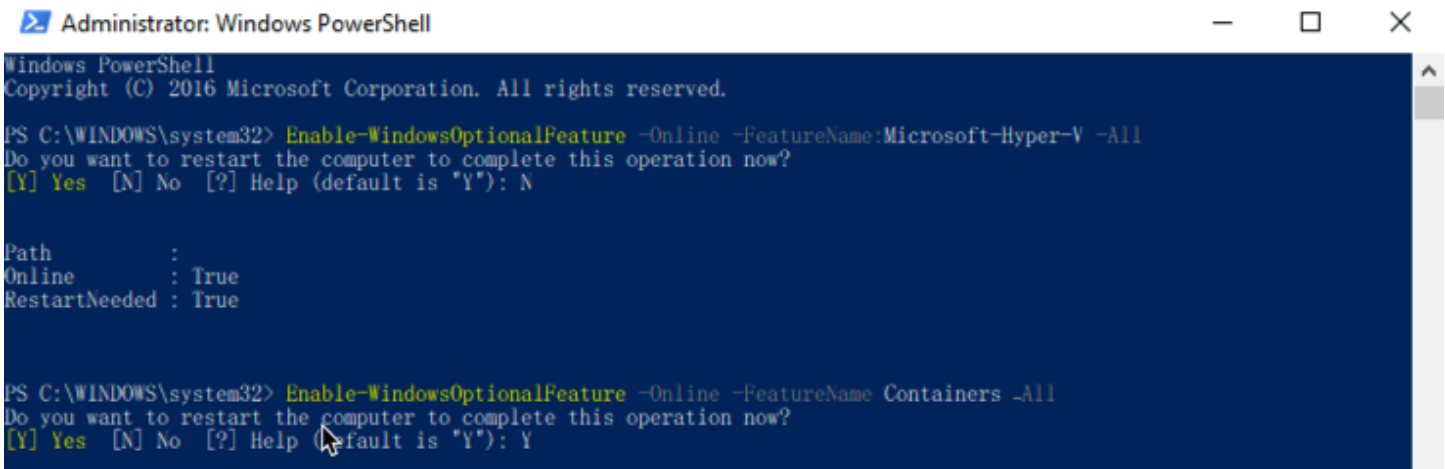
```
Administrator: Windows PowerShell

Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

Enable-WindowsOptionalFeature: Containers
Running
[

Path      :
Online    : True
RestartNeeded : True

PS C:\WINDOWS\system32> Enable-WindowsOptionalFeature -Online -FeatureName Containers -All
```



```
Administrator: Windows PowerShell

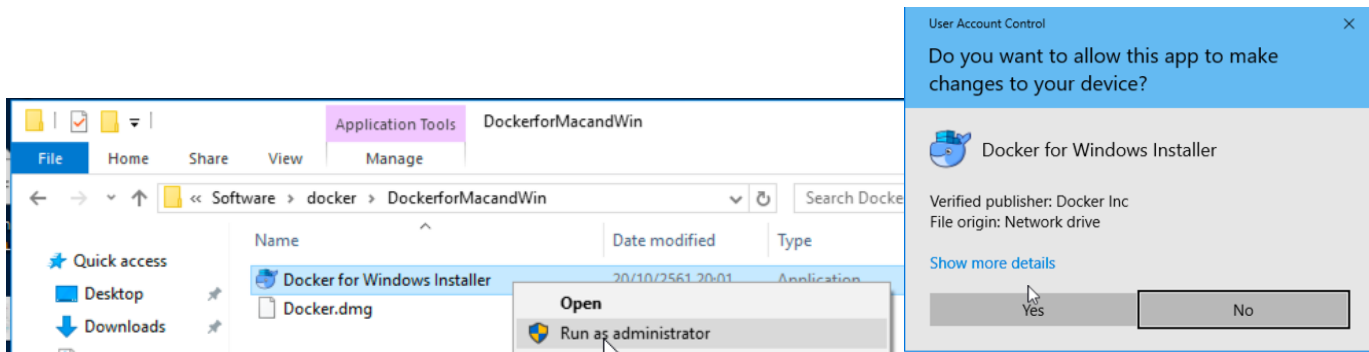
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32> Enable-WindowsOptionalFeature -Online -FeatureName:Microsoft-Hyper-V -All
Do you want to restart the computer to complete this operation now?
[Y] Yes [N] No [?] Help (default is "Y"): N

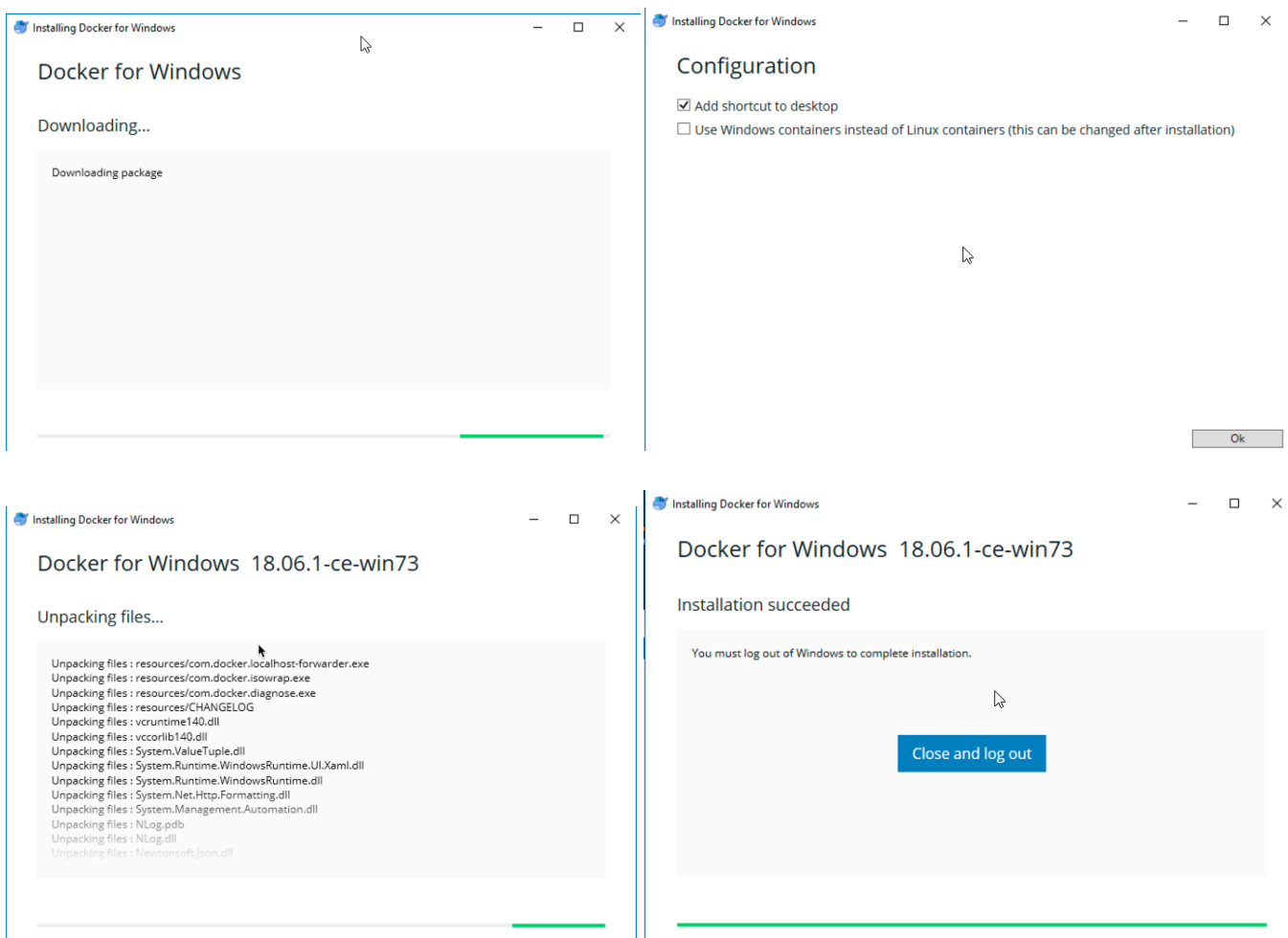
Path      :
Online    : True
RestartNeeded : True

PS C:\WINDOWS\system32> Enable-WindowsOptionalFeature -Online -FeatureName Containers -All
Do you want to restart the computer to complete this operation now?
[Y] Yes [N] No [?] Help (default is "Y"): Y
```

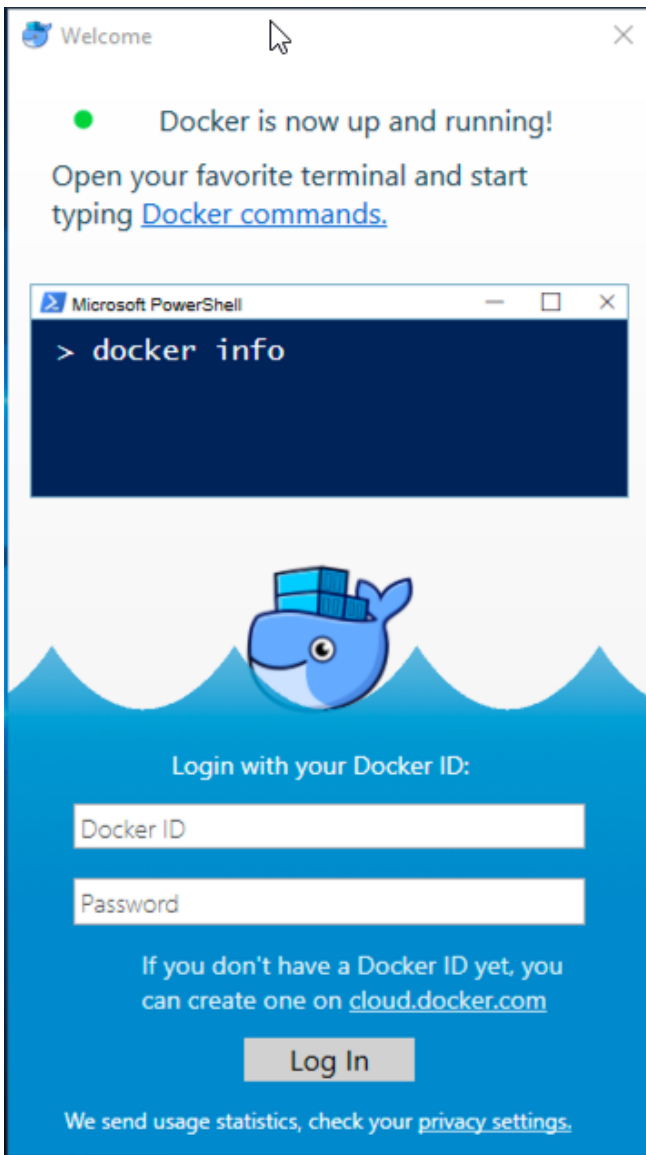
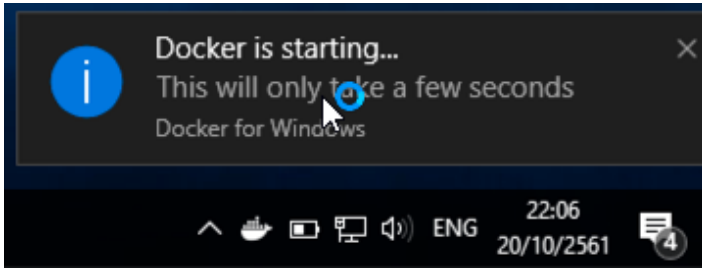
5. Right Click and "Run as administrator" on "Docker for Windows Installer" and confirm "yes" on user account control.



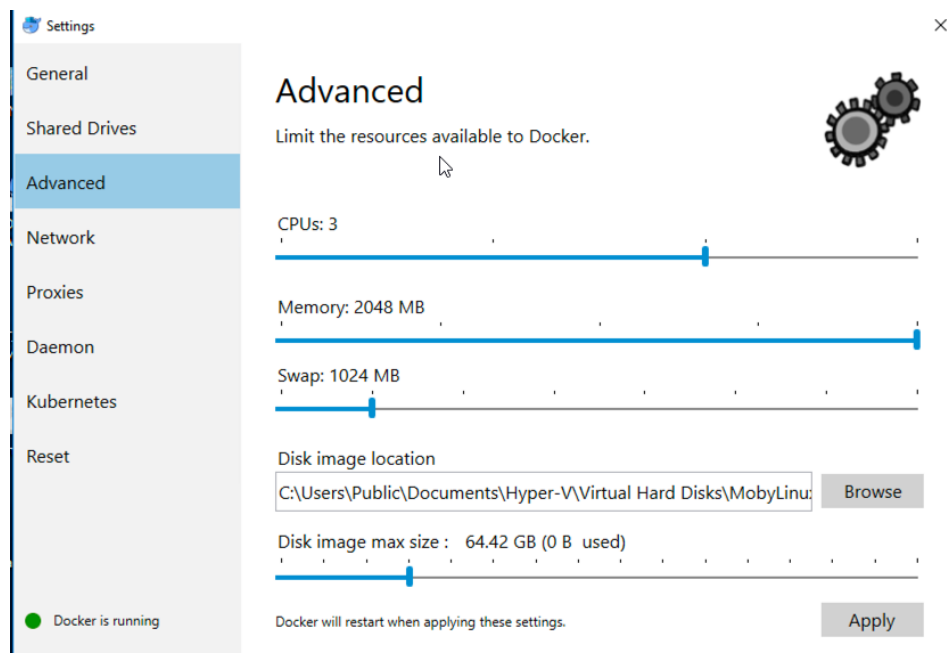
6. Following screen for setup and logoff/logon again



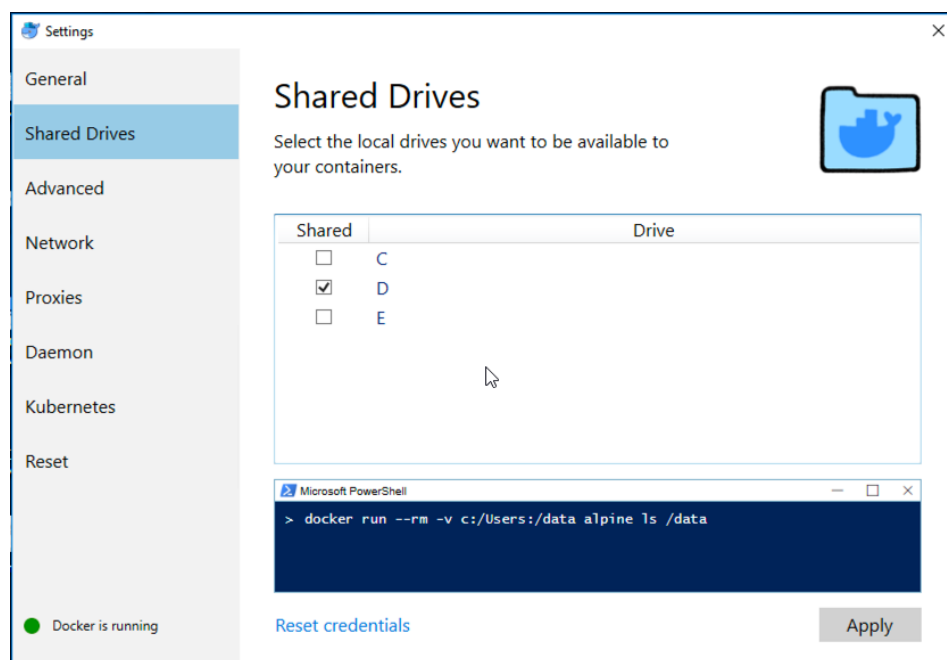
- When login got success access. Docker will start their service on task bar. Please wait until this process done. If you already have account on hub.docker.com. Please kindly signin here



8. Right click on docker icon on task bar and select "Settings" → Advances, To make sure that you have at least 3 CPUs and 2 GB Memory. If not you can adjust and click "Apply"



9. Right click on docker icon on task bar and select "Settings" → Shared Drives, Tick for Share on Drive D: (This may need some permission also) and click "Apply"



10. Test run first container by command: docker run hello-world on powershell

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32>
PS C:\WINDOWS\system32> docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
d1725b59e92d: Pull complete
Digest: sha256:0add3ace90ecb4adbf7777e9aacf18357296e799f81cab9fde470971e499788
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

PS C:\WINDOWS\system32>
```

11. Create Folder "dockerworkshop" on drive d: and copy all workshop folder to here

