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# Installing windows docker on windows 10

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🕒 May 3, 2017

Posted by: Loges

Category: Blog, Containers

(<https://www.assistanz.com/windows-docker-on-windows-10/>)



# Installing windows docker on wind 10

In this blog, we will show you installing windows docker on windows 10 operating system.

## REQUIREMENTS

- ◆ Need a Windows 10 VM (or) Physical Machine

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***Note: In this demonstration, we are using windows 10 VM in HYPER-V and need to enable virtualization to install docker service in windows 10 machine***

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# ENABLING VIRTUALIZATION

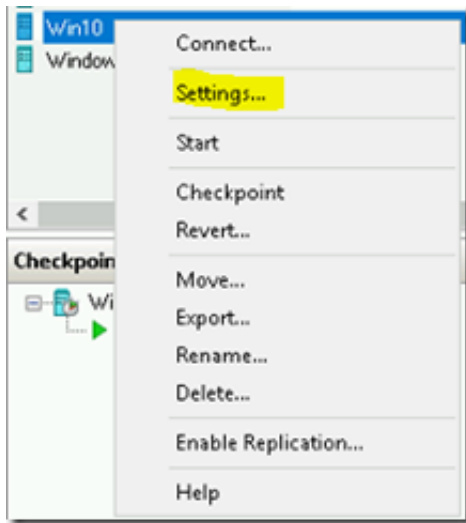
- ◆ Go-to PowerShell window and execute the below command to enable the virtualization for VM processor.

**Set-VMProcessor -VMName win10 -ExposeVirtualizationExtensions \$true**

```
PS C:\> Set-VMProcessor -VMName win10 -ExposeVirtualizationExtensions $true
PS C:\> _
```

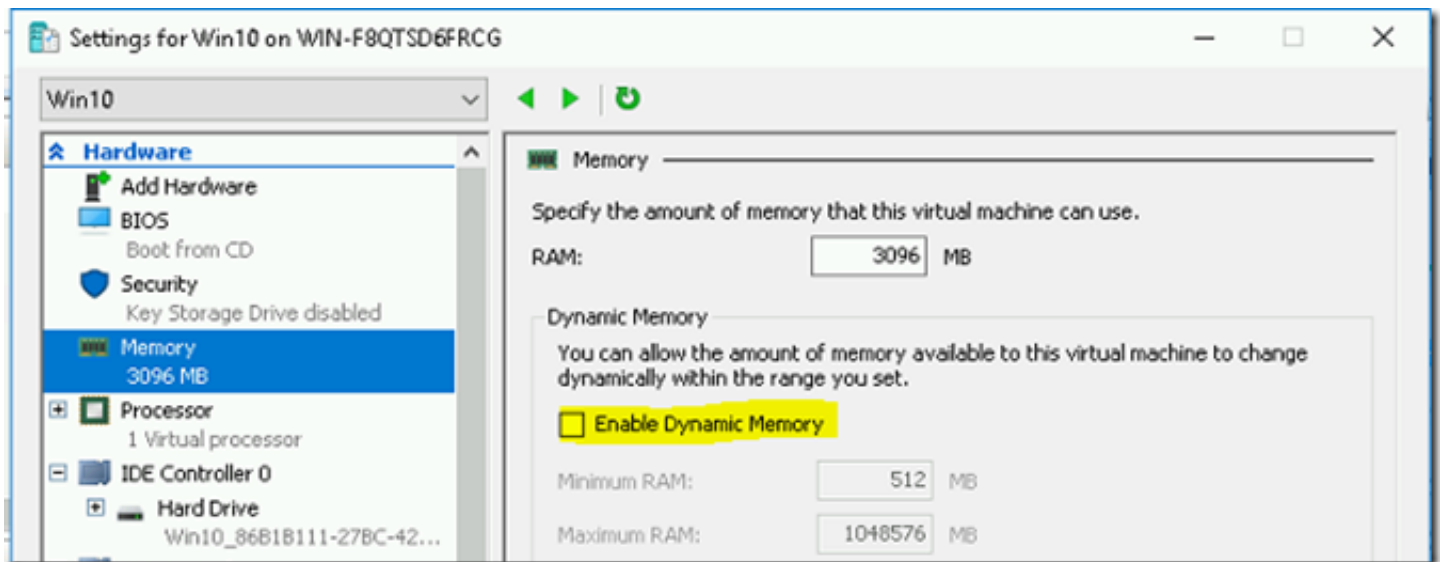
(<https://www.assistanz.com/wp-content/uploads/2017/05/image.png>)

- ◆ Open HYPER-V MMC, and right click on **win10** VM and click **settings**.



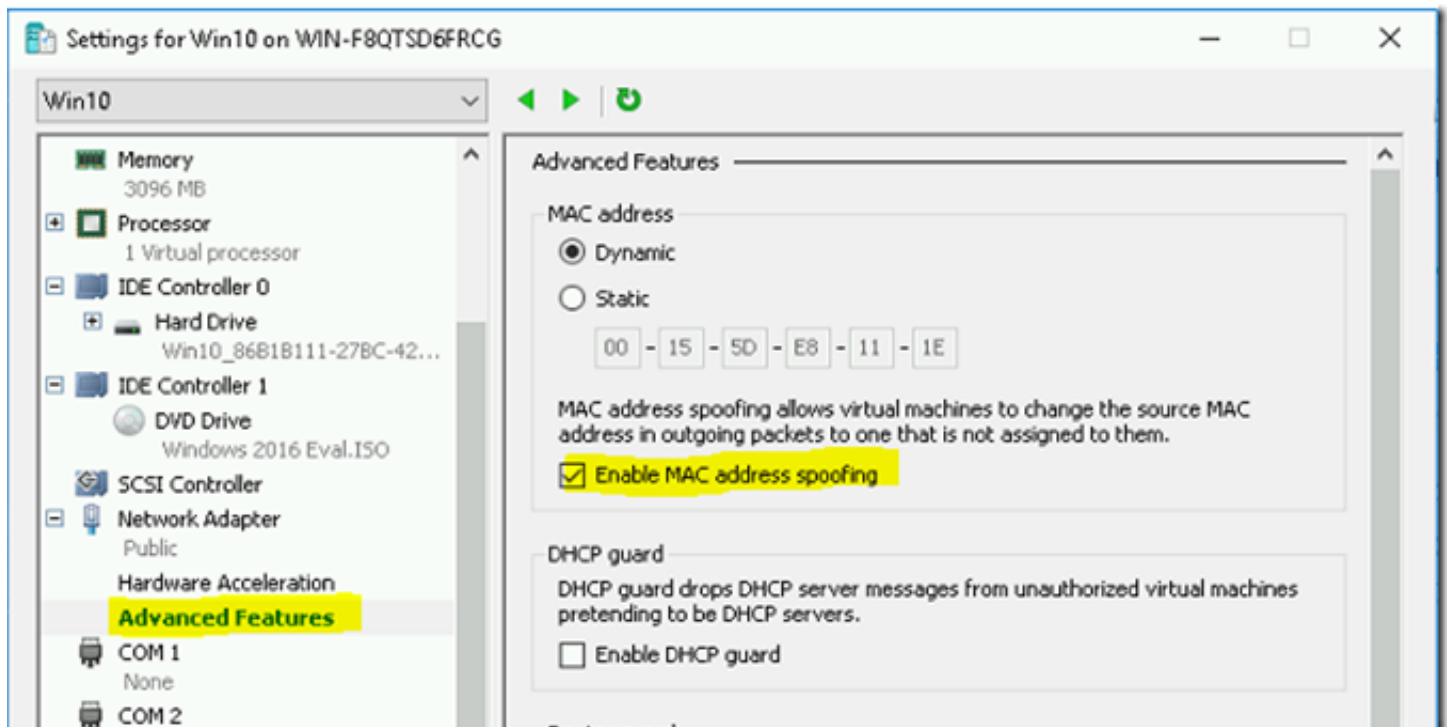
(<https://www.assistanz.com/wp-content/uploads/2017/05/image-1.png>)

- ◆ Disable the Dynamic memory option.



(<https://www.assistanz.com/wp-content/uploads/2017/05/image-2.png>)

- ◆ Enable MAC address spoofing for **win10** VM.

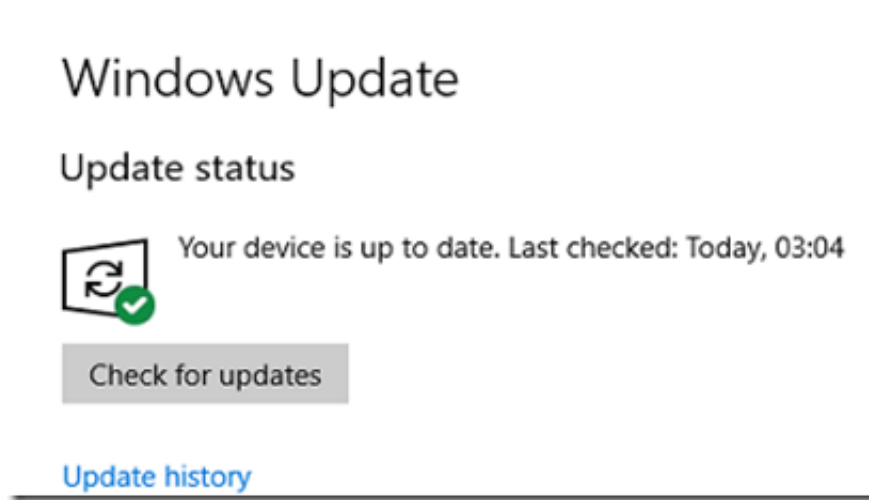


(<https://www.assistanz.com/wp-content/uploads/2017/05/image-3.png>)

- ◆ Now, we have enabled the virtualization for this VM.

## WINDOWS UPDATES

- ◆ Make sure that windows 10 VM is up to date.

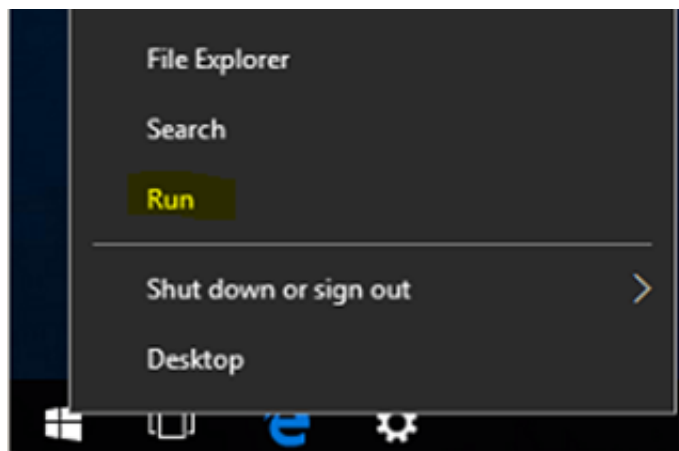


([https://www.assistanz.com/wp-](https://www.assistanz.com/wp-content/uploads/2017/05/image-4.png)

[content/uploads/2017/05/image-4.png](https://www.assistanz.com/wp-content/uploads/2017/05/image-4.png))

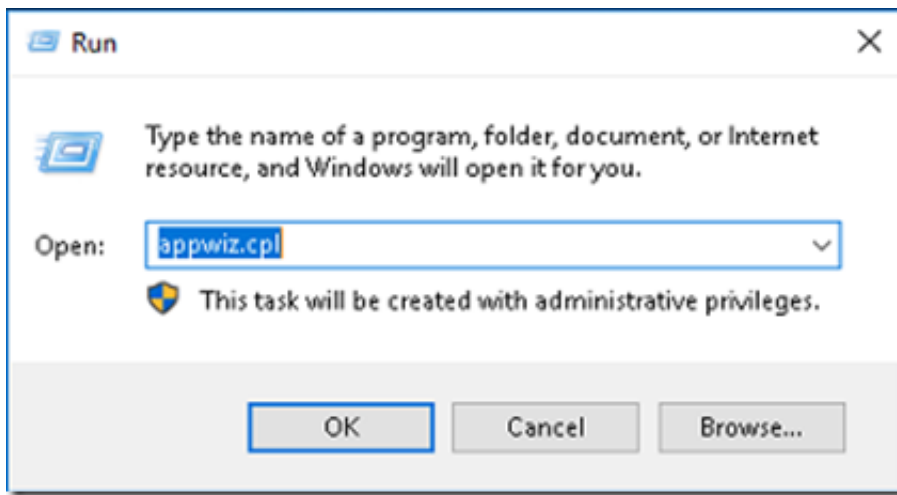
## INSTALLING HYPER-V ROLE

- ◆ Right click on windows icon and click Run.



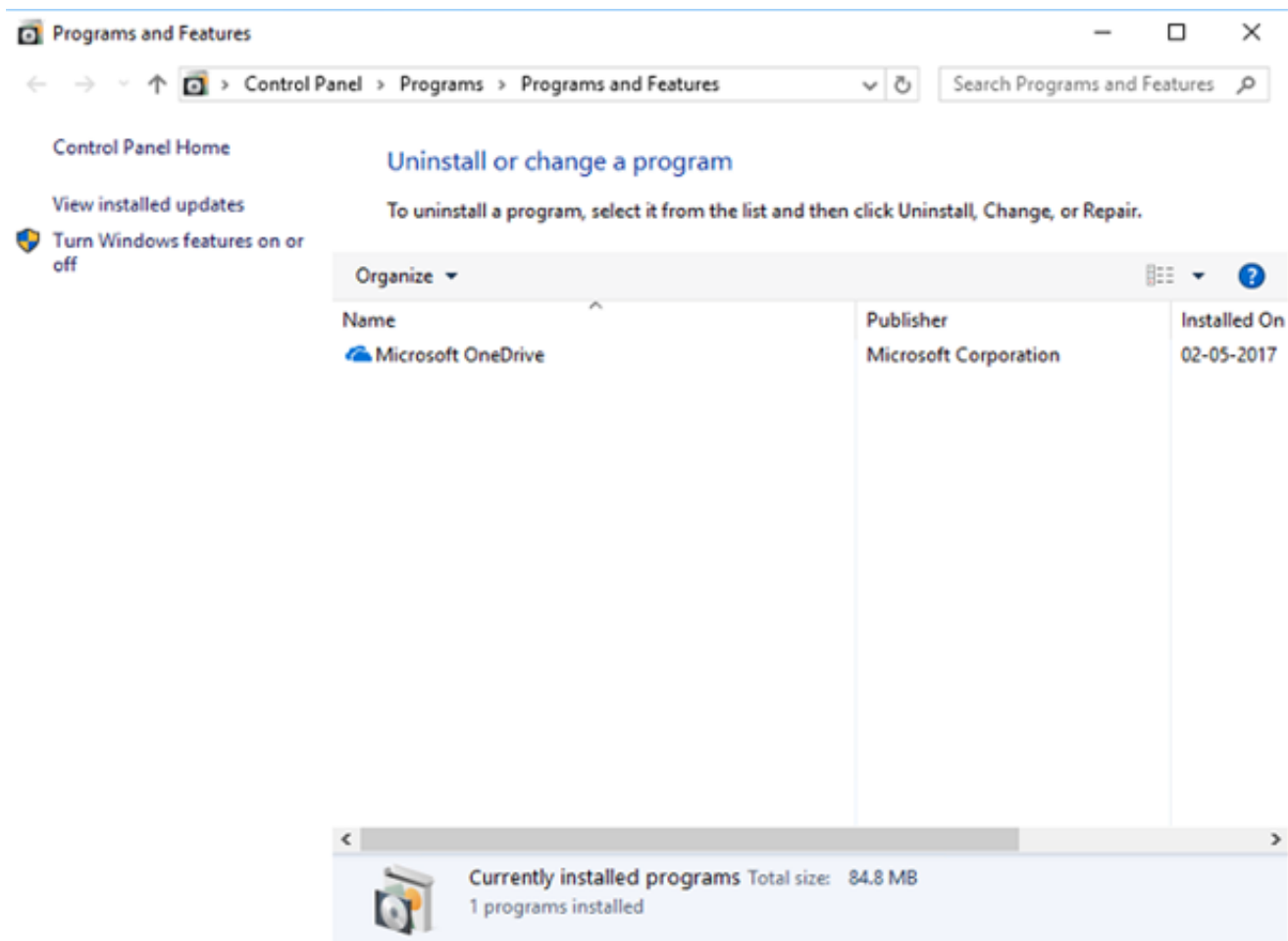
(<https://www.assistanz.com/wp-content/uploads/2017/05/i>

- ◆ Type **appwiz.cpl** command to open the program and features window.



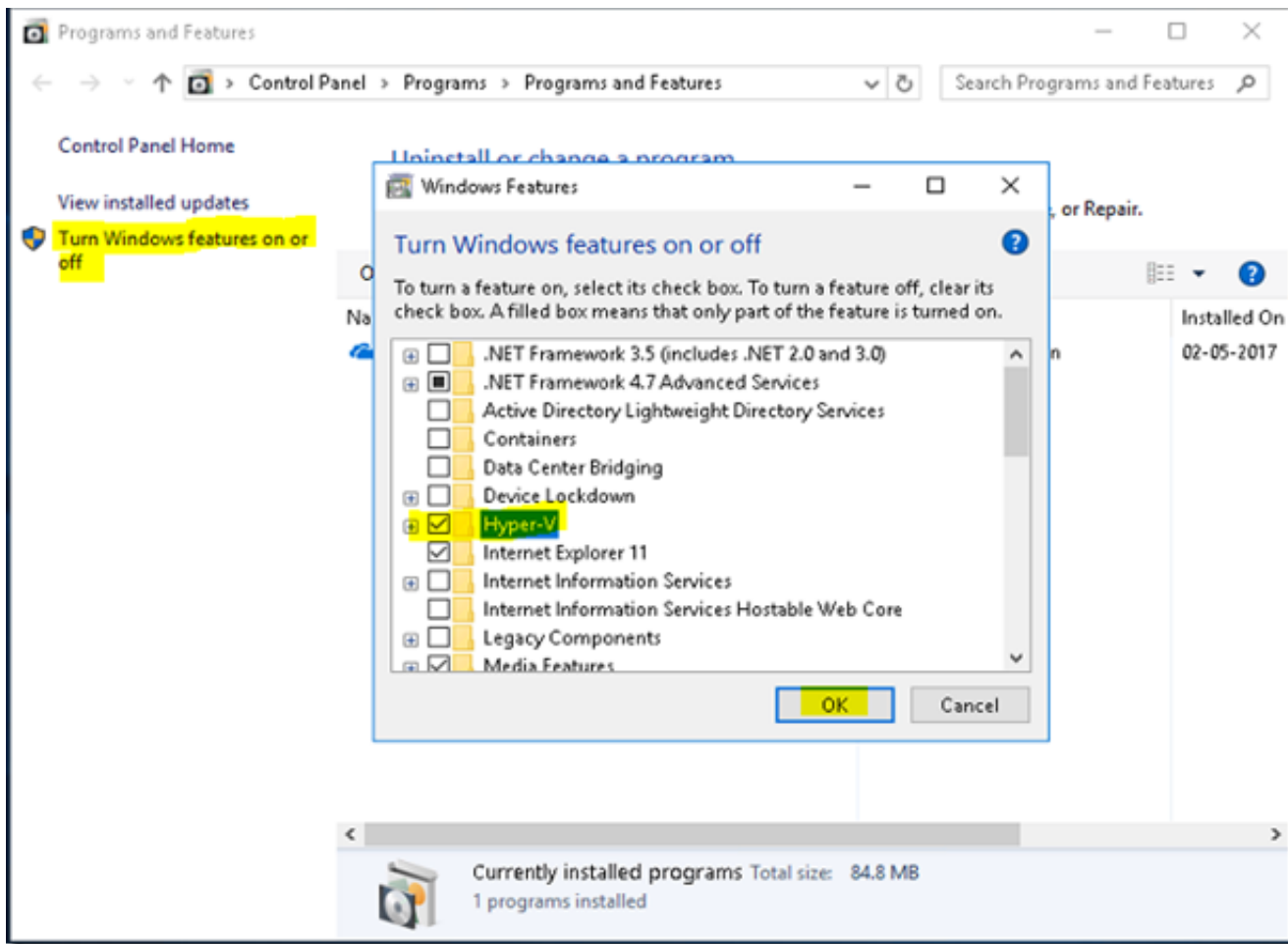
([https://www.assistanz.com/wp-](https://www.assistanz.com/wp-content/uploads/2017/05/image-6.png)

[content/uploads/2017/05/image-6.png](https://www.assistanz.com/wp-content/uploads/2017/05/image-6.png))



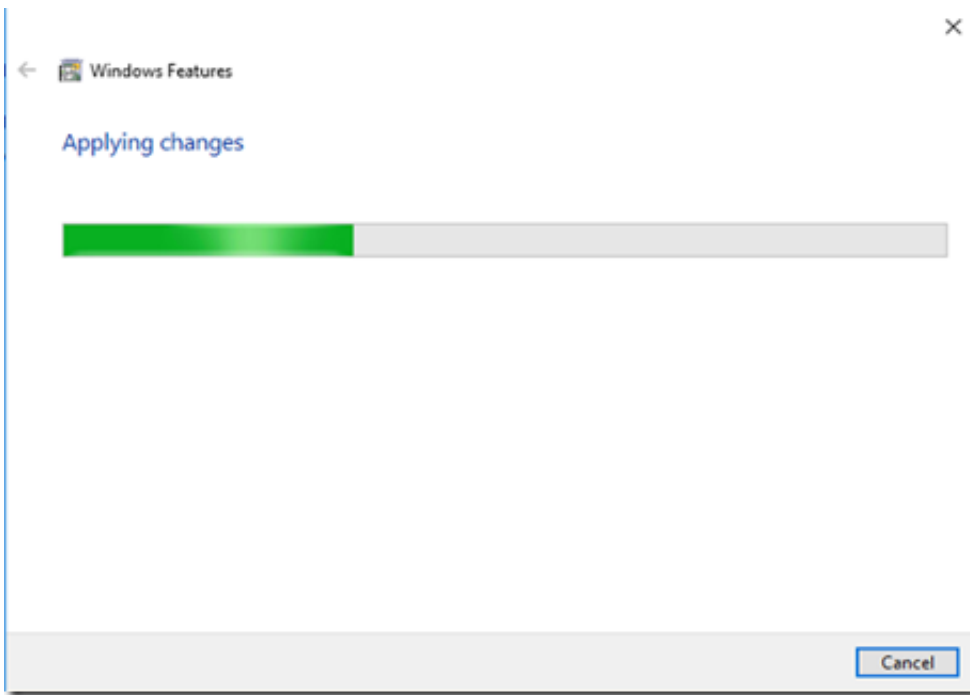
(<https://www.assistanz.com/wp-content/uploads/2017/05/image-7.png>)

- ◆ Click on **Turn windows features on or off** to install features. Select the Hyper-V role checkbox and click OK.



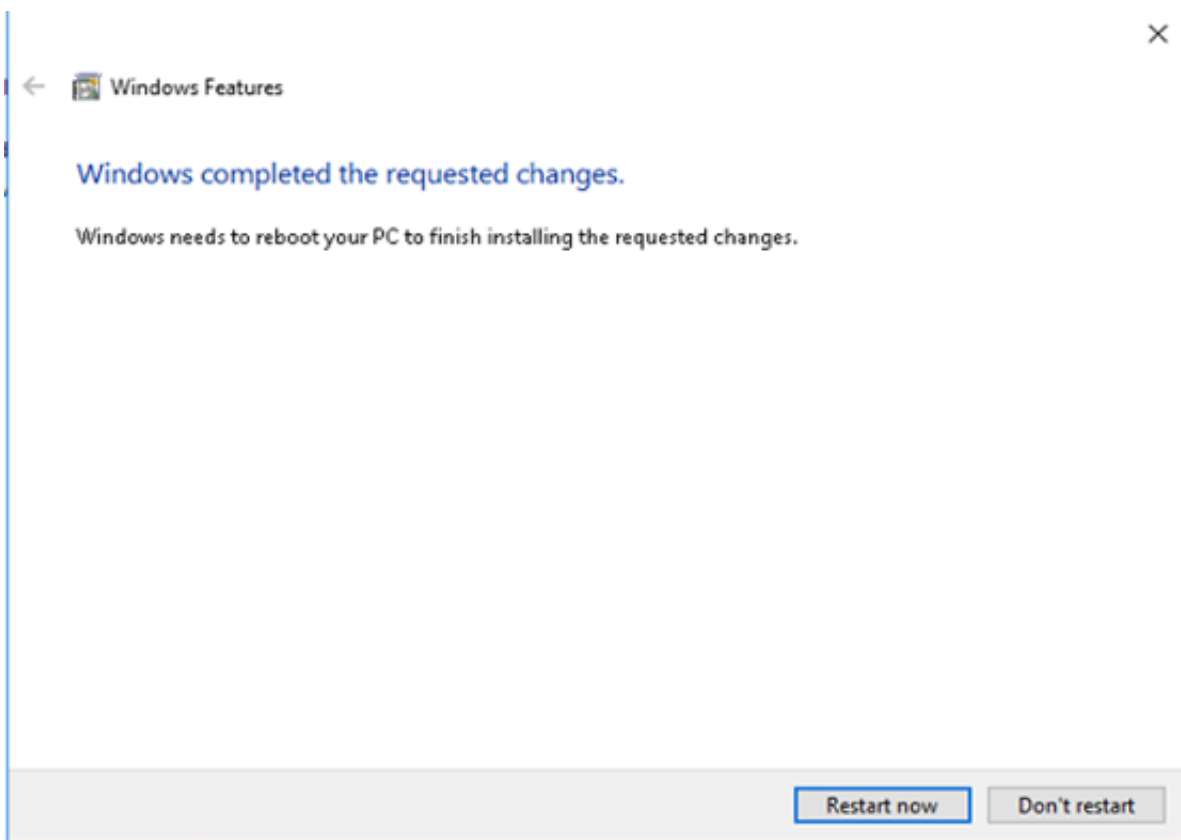
(<https://www.assistanz.com/wp-content/uploads/2017/05/image-8.png>)

- ◆ It will take few minutes to complete the installation. Once its complete reboot the VM to complete it.



(<https://www.assistanz.com/wp->

[content/uploads/2017/05/image-9.png](#))



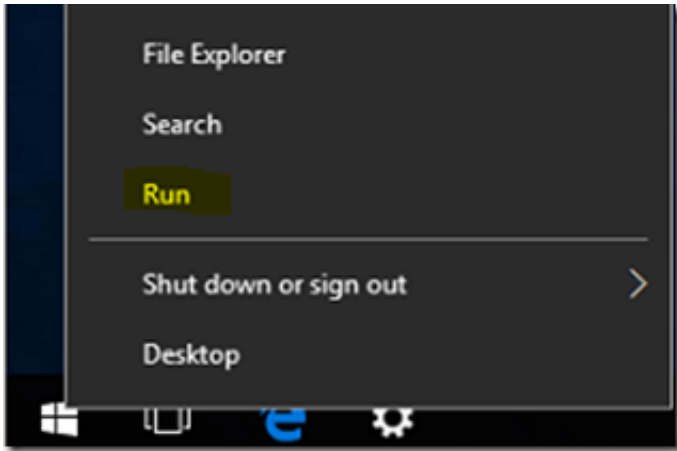
(<https://www.assistanz.com/wp->

[content/uploads/2017/05/image-10.png](#))



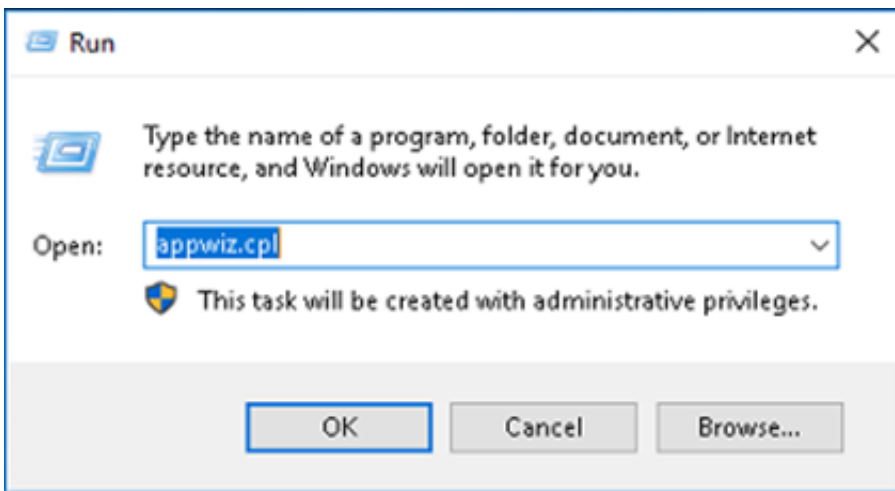
# INSTALLING WINDOWS CONTAINERS

- ◆ Right click on windows icon and click Run.



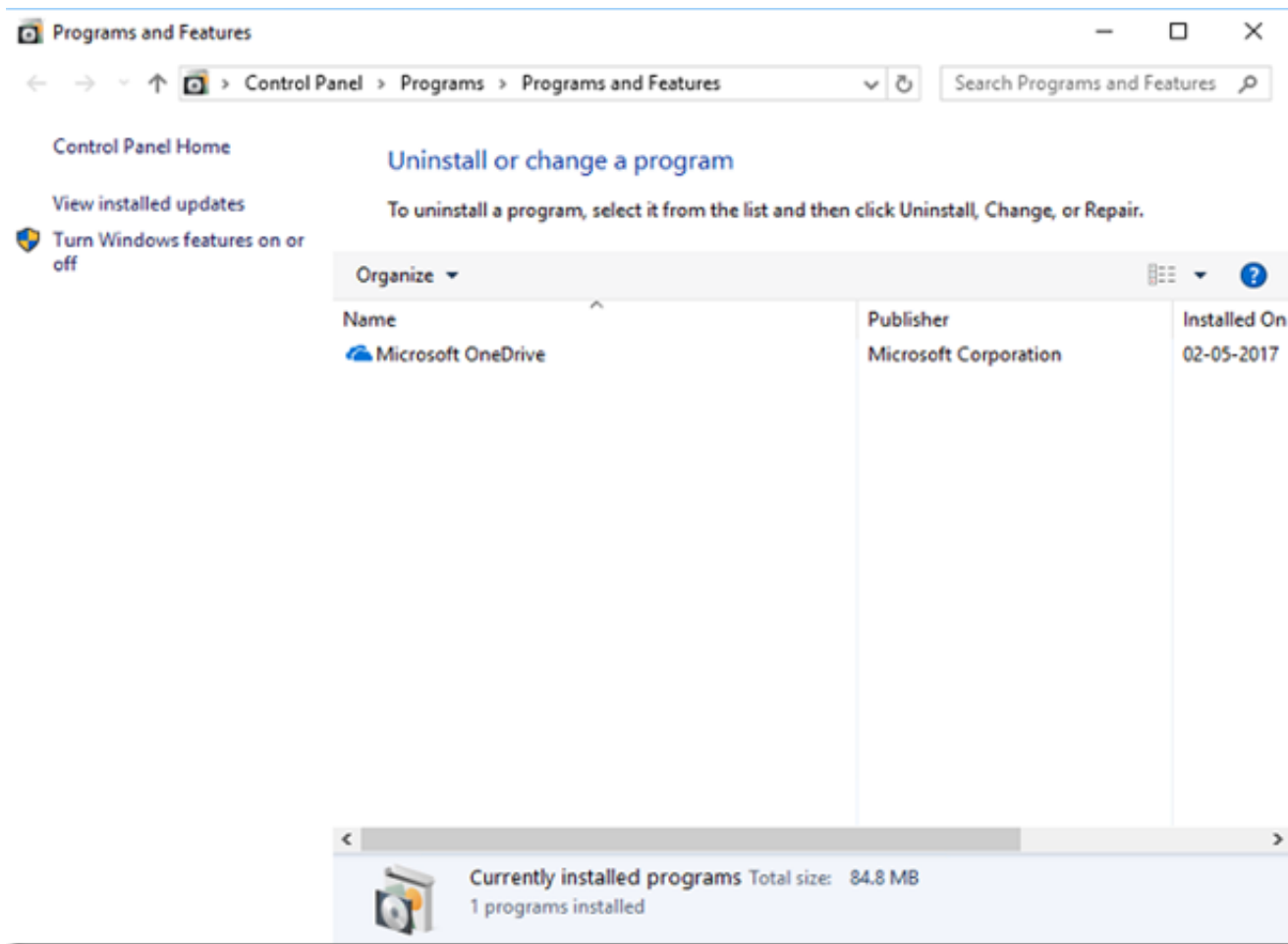
(<https://www.assistanz.com/wp-content/uploads/2017/05/i>

- ◆ Type **appwiz.cpl** command to open the program and features window.



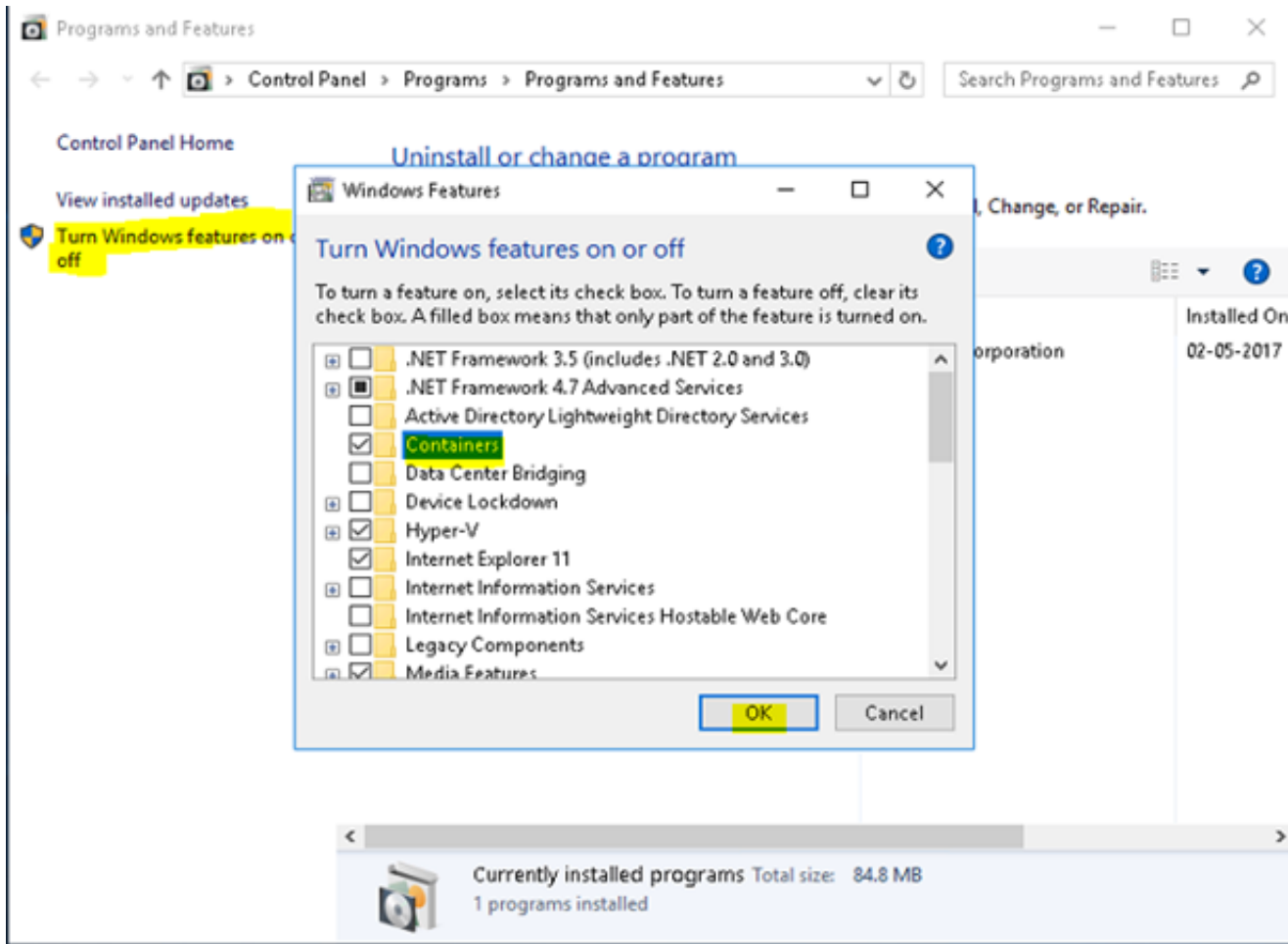
(<https://www.assistanz.com/wp->

content/uploads/2017/05/image-12.png)



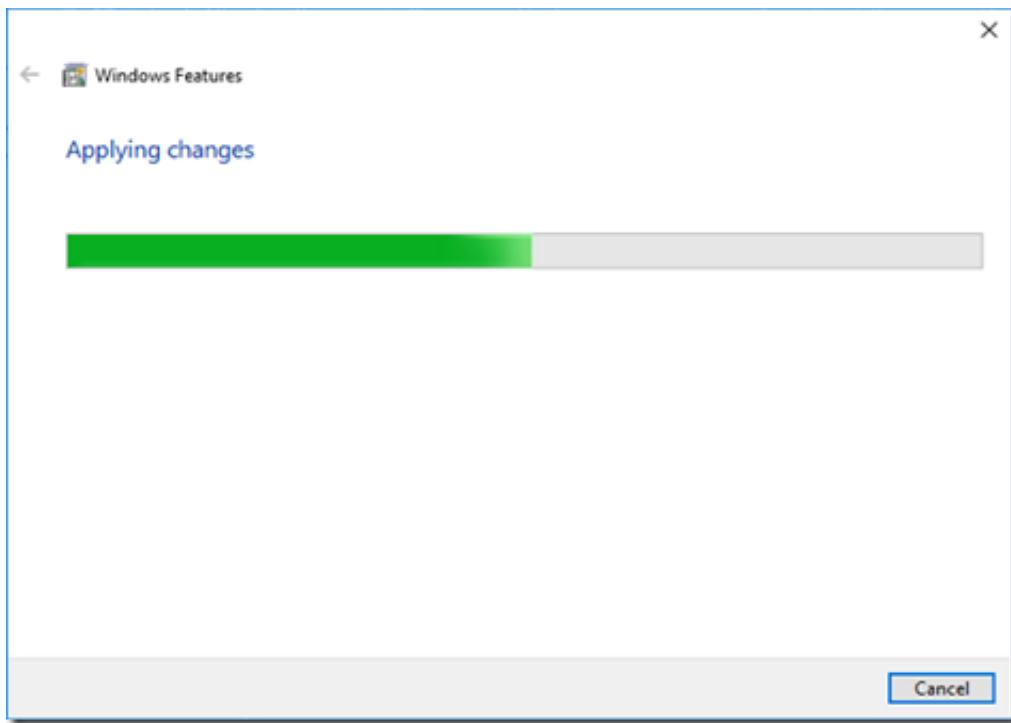
(<https://www.assistanz.com/wp-content/uploads/2017/05/image-13.png>)

- ◆ Click on **Turn windows features on or off** to install features. Select the **Containers** role checkbox and click OK.



(<https://www.assistanz.com/wp-content/uploads/2017/05/image-14.png>)

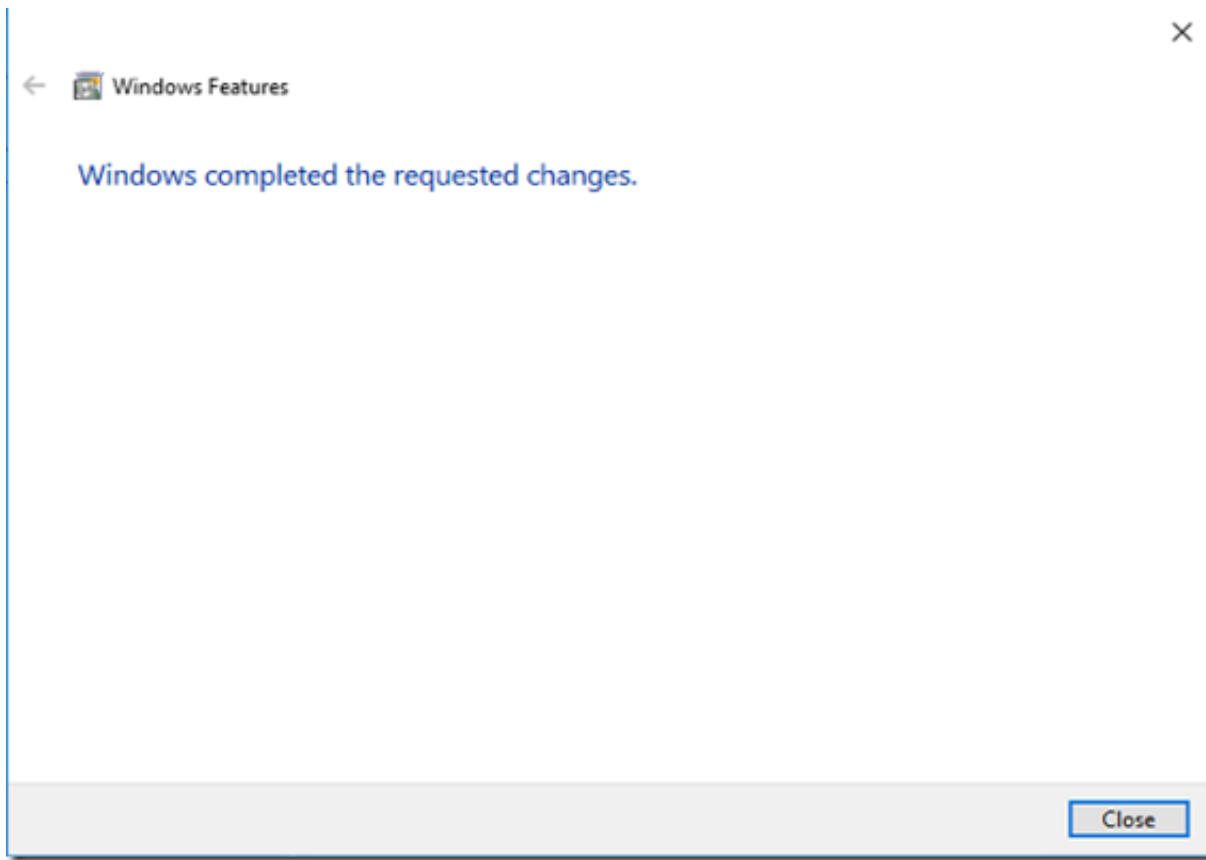
- ♦ It will take few minutes to complete the installation.



(<https://www.assistanz.com/wp->

[content/uploads/2017/05/image-15.png](#))

- ◆ Click OK to close the installation window.



(<https://www.assista>

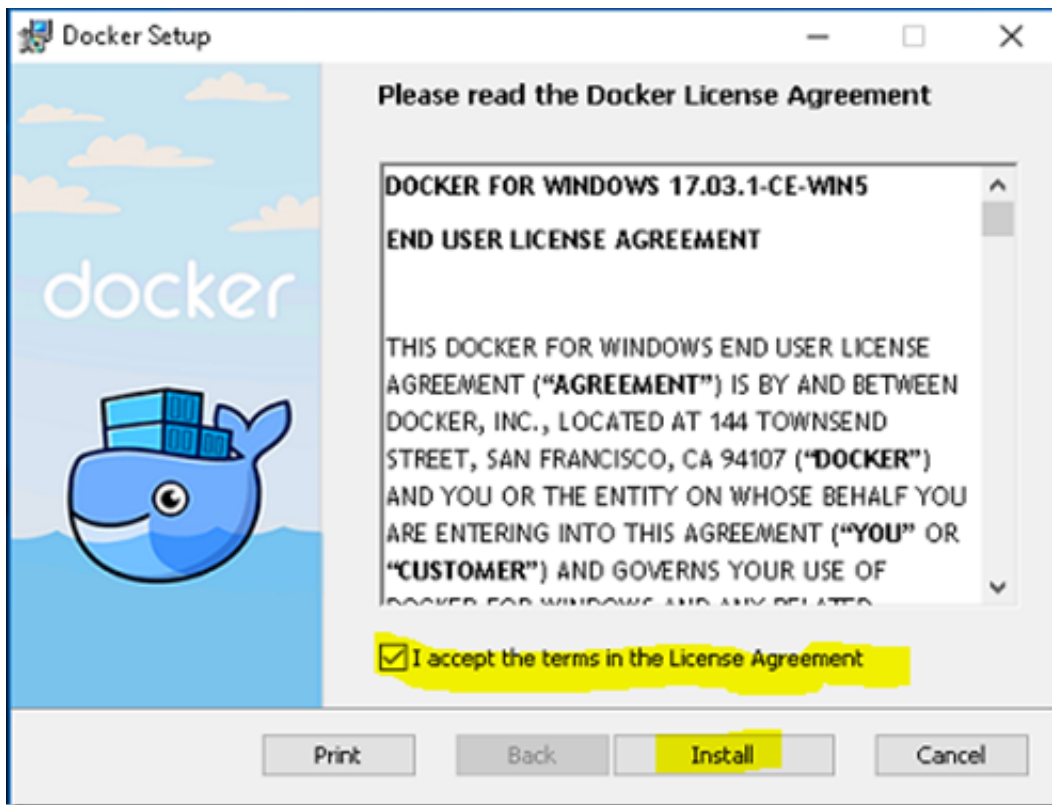
content/uploads/2017/05/image-16.png)

## INSTALLING DOCKER

- ◆ Download the docker installation file from the below URL.

**<https://download.docker.com/win/stable/InstallDocker.msi>** (<https://download.docker.com/win/stable/>Ir

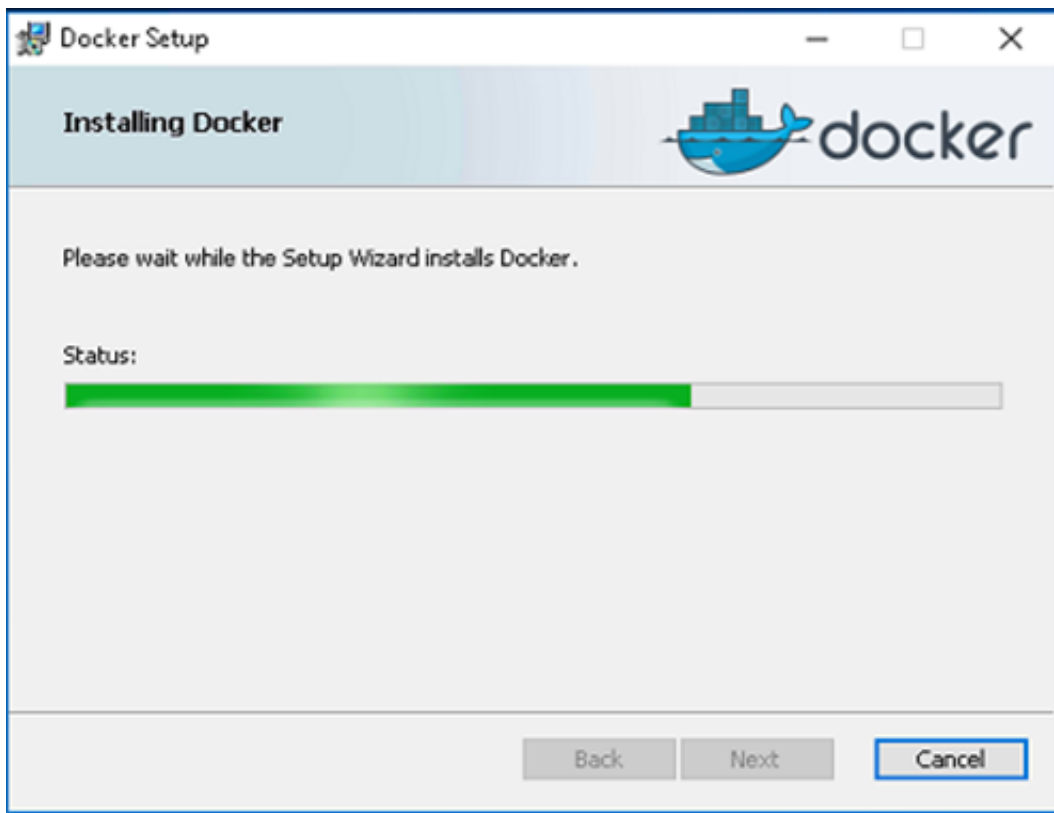
- ◆ Double click the installer and it will show up the Agreement screen. Accept it and click install.



(<https://www.assistanz.com/wp>

content/uploads/2017/05/image-17.png)

- ♦ The installation will take several minutes to complete.



(<https://www.assistanz.com/wp>

content/uploads/2017/05/image-18.png)

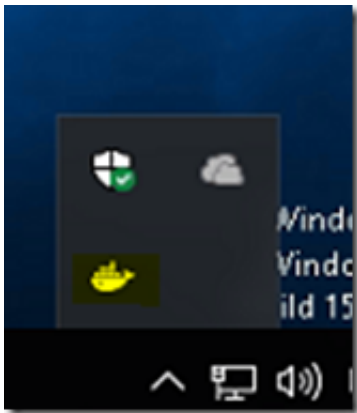
- ◆ Once it's completed, select **Launch Docker** checkbox and click finish.



(<https://www.assistanz.com/wp-content/uploads/2017/05/image-19.png>)

content/uploads/2017/05/image-19.png)

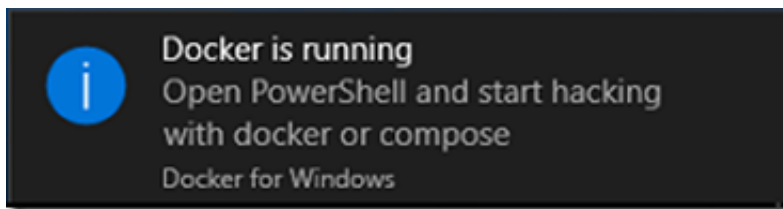
- ◆ You can find the docker icon in starting mode at the tray section. It will take few minutes to start the docker servi



(<https://www.assistanz.com/wp-content/uploads/2017/05/image-20.png>)

- ◆ It shows the below message once docker service started successfully.



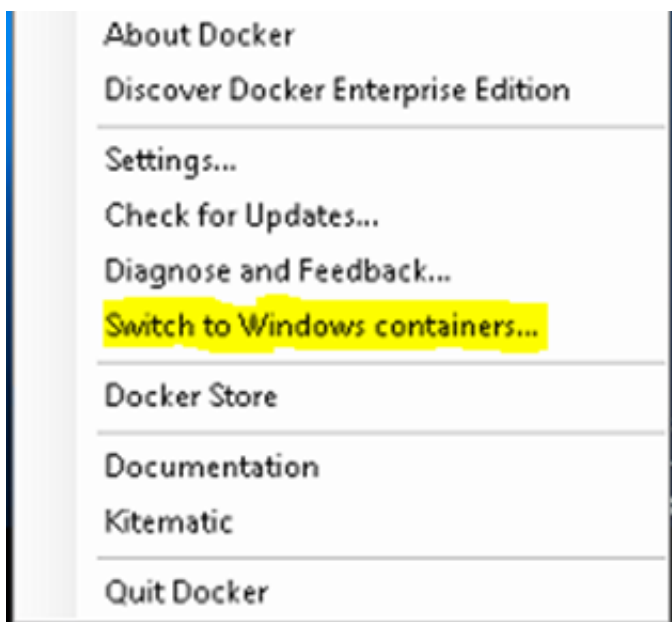


(<https://www.assistanz.com/wp-content/uploads/2017/05/i>

21.png)

## VERIFYING DOCKER

- ◆ Right click on docker icon from the tray section and click on **switch to windows container** option. By default, docker runs in linux container mode.



(<https://www.assistanz.com/wp-content/uploads/2017/05/i>

- ◆ It will take few minutes to complete the switching process.
- ◆ Once it's complete, open PowerShell window and executes **docker version** command to find the version of docker.

```
PS C:\> docker version
Client:
Version:      17.03.1-ce
API version:  1.27
Go version:   go1.7.5
Git commit:   c6d412e
Built:        Tue Mar 28 00:40:02 2017
OS/Arch:      windows/amd64

Server:
Version:      17.03.1-ce
API version:  1.27 (minimum version 1.24)
Go version:   go1.7.5
Git commit:   c6d412e
Built:        Tue Mar 28 00:40:02 2017
OS/Arch:      windows/amd64
Experimental: true
PS C:\> _
```

([https://www.assistanz.com/wp-](https://www.assistanz.com/wp-content/uploads/2017/05/image-23.png)

[content/uploads/2017/05/image-23.png](https://www.assistanz.com/wp-content/uploads/2017/05/image-23.png))

- ◆ Pull a nano container image using below command.

**docker pull assistanz247/nanoserver-iis:latest**

```
PS C:\> docker pull assistanz247/nanoserver-iis:latest
latest: Pulling from assistanz247/nanoserver-iis
bce2fbc256ea: Pull complete
58f68fa0ceda: Pull complete
5236ae094a10: Pull complete
Digest: sha256:5258eb182a794d66cd4530134821187fc849574dd2ef9911cd7c939889c213bd
Status: Downloaded newer image for assistanz247/nanoserver-iis:latest
PS C:\> _
```

(<https://www.assistanz.com/wp-content/uploads/2017/05/image-24.png>)

**VIDEO**