#006 Install Docker

Introduction

this is part 6 from the journey it's a long journey(360 day) so go please check previous parts , and if you need to walk in the journey with me please make sure to follow because I may post more than once in 1 Day but surely I will post daily at least one 😍.

And I will cover lot of tools as we move on.

Install on Debian

Why Debian?

I use mx-linux 19.2 it's an debian based distro , I will post reference for Windows / macOs / Ubuntu (Ubuntu is Debian based also please some one test same steps in Ubuntu and comment if also work on it)

Installation

- if you are already root user no need to use sudo

1. we need to uninstall any old version

```
sudo apt-get remove docker docker-engine docker.io containerd runc
```

2. we need to update the system

```
sudo apt-get update
```

3. we need to install the tools (some of them are already built-in with Debian so the installer will skip them

```
sudo apt-get install apt-transport-https ca-certificates curl gnupg-agent software-properties-common
```

4. Add Docker official GPG key

```
curl -fsSL https://download.docker.com/linux/debian/gpg | sudo apt-key
add -
```

5. to setup realese build

```
sudo add-apt-repository \
   "deb [arch=amd64] https://download.docker.com/linux/debian \
   $(lsb_release -cs) \
   stable"
```

6. update system

```
sudo apt-get update
```

7. install docker community edition , docker-cli , deamon

```
sudo apt-get install docker-ce docker-ce-cli containerd.io
```

Add docker to sudo

basically this used to make docker run without type sudo docker every time we need to run it.

1. create the docker group

```
sudo groupadd docker
```

2. Add your user to the docker group.

```
sudo usermod -aG docker $USER
```

3. to activate those changes

```
newgrp docker
```

4. Verify that you can run docker commands without sudo

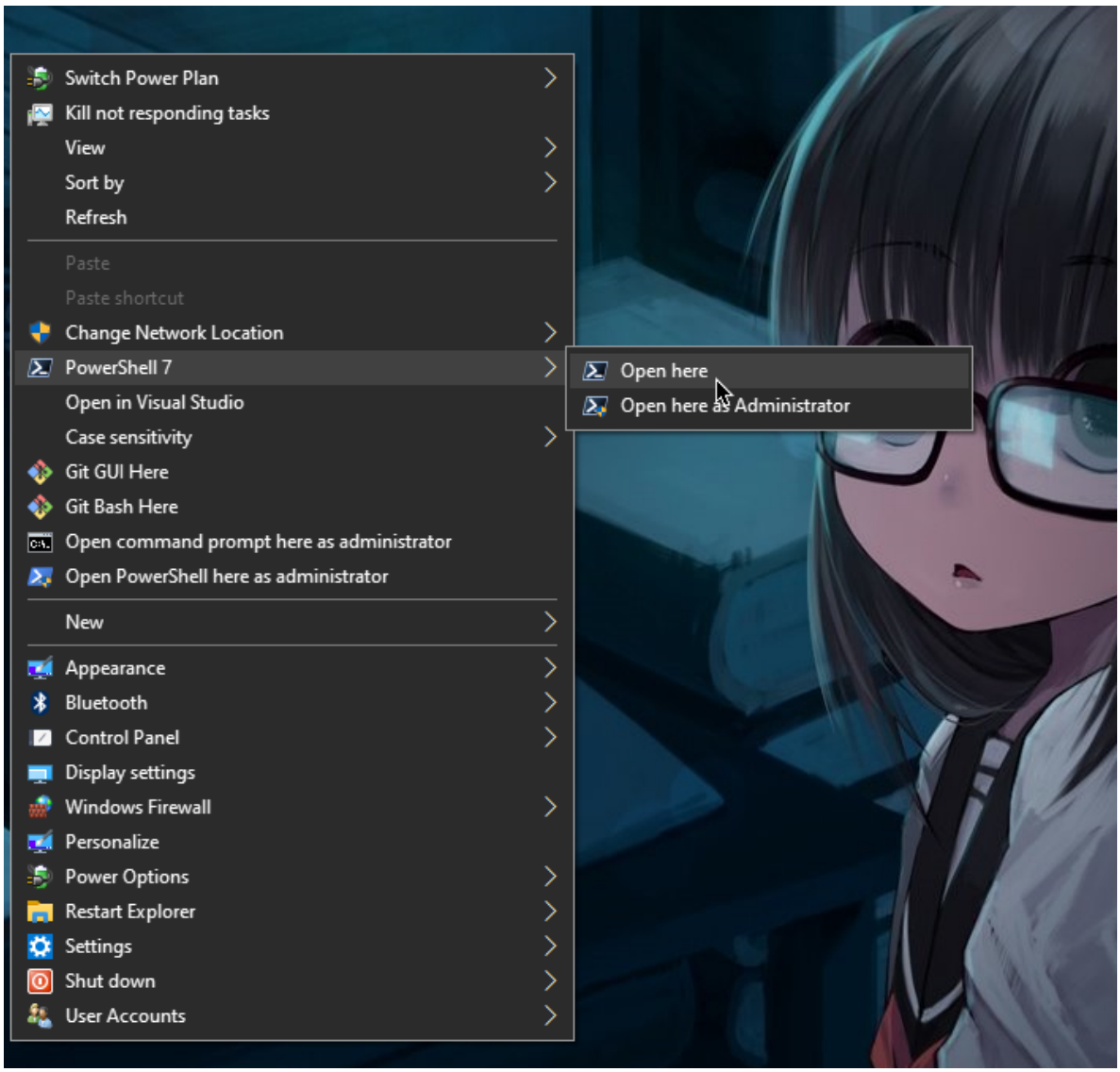
```
docker run hello-world
```

```
(base) in ~
> docker run hello-world

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/

(base) in ~
>
```

if you get this result congrats!

Important for windows

if you use a custom build for windows for gaming or whatever (like me , i use teamOs gaming edition) the version I use delete a lot of packages from windows so docker doesn't work . So a official build is better in general and I recommend you to use latest powershell in windows , in the installation wizard there is an option to add it to the menu , so when u are in folder you press right mouse click it give you an option to run powershell here .



Other OS installation

go to this official docker docs it's well explain to all operation systems