<https://stackoverflow.com/questions/43929672/is-the-docker-engine-installed-on-the-server-or-client>

<https://www.youtube.com/watch?v=sNxli6VwQTs>

<https://www.quora.com/Can-you-run-containers-for-different-OSes-on-a-host-with-a-different-OS>

So what I understand with docker ist hat, you actually can create images from your own machine where you program and that will then used to create a container which is supposed to be run in any os. SO the Host OS ( the OS used to program the code) will use its own libraries and that will be able to communicate with another host where it will be deployed.

<https://stackoverflow.com/questions/33112137/run-different-linux-os-in-docker-container>

Docker is meant to be used for linux. I mean the daemon.

**Namespaces** are a feature of the Linux kernel that partitions kernel resources such that one set of **processes** sees one set of resources while another set of **processes** sees a different set of resources. So they we decide what they are allowed to see and access.

Docker is made possible through namespaces. So docker is possible through the name space that make it possible to partition the kernel resources so Docker requires some kind of linux.

The process is limited to what it can see in the host system.

This is hardly possible in windows because it does not offer the namespace technology.

Docker uses LXE containers.

Containers are nothing else but process that have their own kernel as in namespace and that do not interfere with other libraries or dependencies.

For a complete end to end app, you may want to put each component in a separate container but not all components in one container.

OS Kernel in Linux remains the same so it doesn’t matter which version of linux you have say, centOS, ubuntu, fedora whatever.

Unlike Windows which there are no other versions of OS like Linux you wont be able to have container on top of windows. So you cant have a windows container on top of linux or docker in this case.

<https://www.quora.com/What-are-Docker-Images>

docker images and docker hub.

An application designed to run in a **Docker container** on Windows can't run on **Linux**, and vice versa. Virtual machines are not subject to this limitation.

Image examples can be seen here <https://github.com/projectatomic/docker-image-examples>

They are nothing else but script file that will do the installatation of a certain app, it will also install the dependencies and all what is needed. Once this image is running then it is called container.

A lot of app have been docarized and can be found in docker hub. SO it is easy to setup something.

<https://www.youtube.com/watch?v=fqMOX6JJhGo&t=127s>

this video explains nicely.

Use /**etc**/\*-**release** file to display Linux distro version. To find out what version of Linux (distro) you are running, enter the following **cat** command ...

<https://geekflare.com/docker-architecture/>

docker architecture and components. Docker engine or daemon is the server which resides on a host machine or the machine that needs to run the app or the containers

docker ps to see all running containers.

You can put any executable in an image to run, so the programming language does not matter at all.

To open up an app that is in a container listen to this video <https://www.youtube.com/watch?v=okw7fOYHSeI>

<https://www.youtube.com/watch?v=O3SvhpnSZWY&t=211s>

deploy a react app in the docker

docker run image, means you run the app that you have put in the image, this means that whatever app you have it will be run similar as you are running a react app or any other app. So accessing it for example react app can be done using localhost that is being provided.

**Netlify** is a San Francisco-based cloud computing company that offers hosting and serverless backend services for web applications and static websites.

<https://www.youtube.com/watch?v=d1Gd-MGaleE>

front, back end server. Architecture

<https://www.quora.com/How-can-I-setup-a-web-server-for-my-website-at-home-See-description>

<https://medium.com/@devlin.trace/install-hyperledger-fabric-v1-0-on-debian-9-2e070d55554d>

install hyperledger fabric in debian.