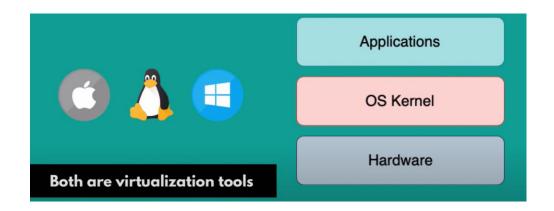


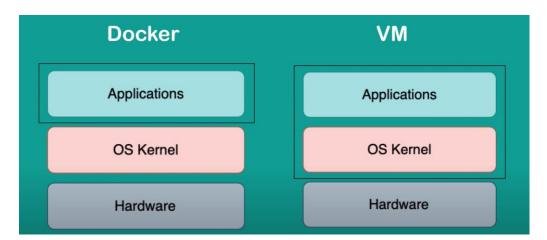
Docker is multilayer image file.

When you want upgrade version of software at that time it NOT download whole docker, it just download only upgraded layer, base layer kept as it.









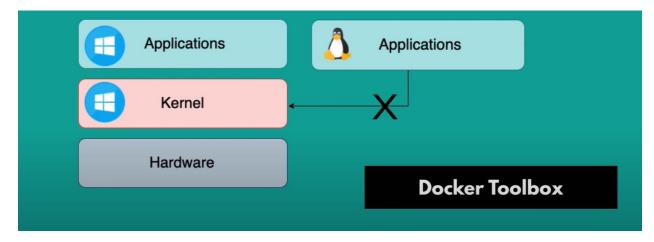
Docker virtualize at application layered where VM Virtualize at OS layered.

SIZE:- That why Docker is small in SIZE than VM

SPEED:- Docker is much faster then VM

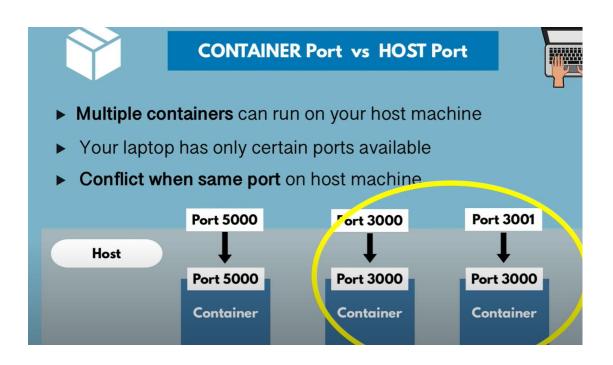
OS Kernel Depedency (Compatibility) :- Docker run on any linux but if it window it extra Docker tool, When VM doen't required, VM can run any host.

FOR Windows



Workaround for Windows & Mac





What is port binding?

```
mongo-docker-compose.yaml
   docker run command
docker run -d \
                                       version: '3'
--name mongo-express \
                                       services:
-p 8080:8080 \
                                          mongodb:
                                             image: mongo
-e ME_CONFIG_MONGODB_
  ADMINUSERNAME=admin \
                                          mongo-express:
-e ME CONFIG MONGODB
  ADMINPASSWORD=password \
                                              image: mongo-express
-e ME CONFIG MONGODB
                                              ports:
  SERVER=mongodb \
                                               -8080:8080
                            it's going to be easier
                           for you to edit the file onment:
--net mongo-network \
                                              ME_CONFIG_MONGODB_A....
mongo-express
```

To Run docker compose file

```
~/Documents/K8s Tutorial/Demos/developing-with-docker/my-app — docker-com... **

~--bash

[[my-app]$ docker-compose -f mongo.yaml up

Creating network "myapp_default" with the default driver

Creating myapp_mongodb_1

Creating myapp_mongo-express_1
```

With a Service

