**Docker solves the problem of environment replication.**

docker --version

docker run -it ubuntu

docker run -it BusyBox [-it means iteractive mode]

Different OS we can use in docker run

Alpine Linux

Ubuntu

Debian

CentOS

Fedora

Arch Linux

BusyBox

What is hub.docker.com ??

It is like github where public containers are there.

Docker --- containers and images

images are like OS .. to run the images we need container.

docker container ls -a

docker container ls

docker start [containername] // to start tcontainer from terminal

docker stop [containername]

docker exec [containername] ls

docker exec it [containername] ls //we will be inside the container

To check the docker images:

docker image

docker image ls -a

docker run -it [imagename]

port expose:

docker run it -p 1025:1025 mailhog/mailhog

AWS - ECR

Docker Image

Java App -> IDE

Docker Images

Docker Container