Monolithic

to It is all the component unside that over tightly coupled or it is a single black.

& Lateray is low

or Have to write code in a single programming canguage

s. Have to scale the entire

I Deploying in hander in Honolitic bocause if a program occurs we need to deploy the entire Stack.

Microservices

separated eg: movice ticket booking user login

booking ticket] All are separate services functioning or payment single API.

k Here also latery us low and greater than monotithis.

whose the flexibility to code in the separated components. The separated components. The separate component which getting separate component which getting more load. Eg: In ticket booking app more load. Eg: In ticket booking app it ticket booking in getting more load it to a to 3 Folds store in growthen of heavy load to solve the problem of heavy load

the needed component softhere in the needed component softhere in the needed to and we can unsent that part alone.

Mirmsenuice has Full control of the Mirmsenuice has Full control of the API & it is getting more adaption.

Pán

& An Engine that enables any payload to be encapsulated as a light weight, portable, self-sulfwentcontainer that can be manipulated using standard operations and nun consistently on virtually any hardware platform.

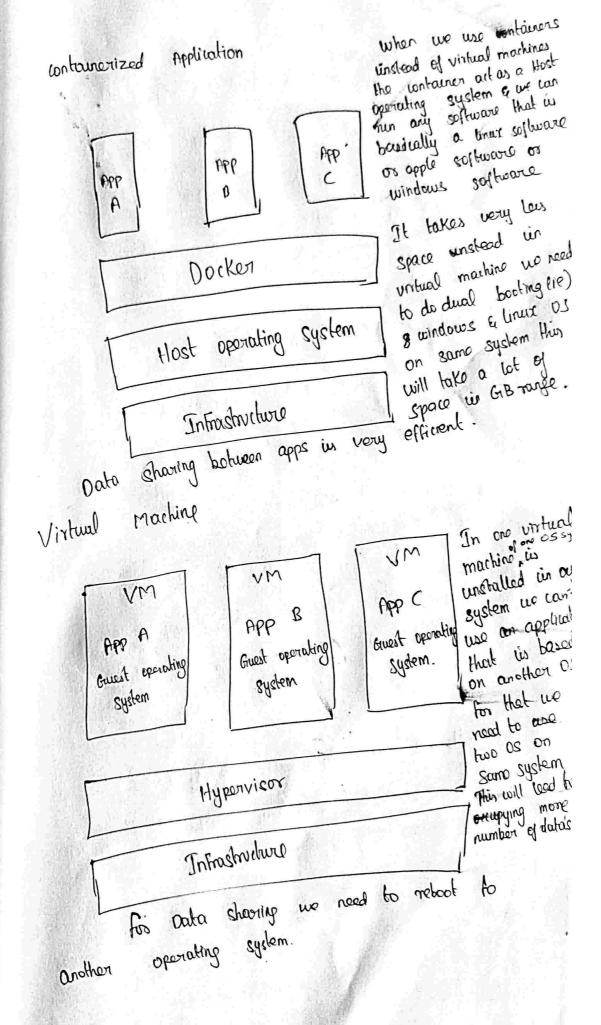
do It in like a box that contains our application and other stulfs that can be transferred within that box to another system & it will work efficiently in that system.

of It in like a software that contains all the package and usale and other shulfs of our application it contains everything to non your application to another.

awickly from one environment de Need Leus resource et the hardward

ie wing les space in hardware

Containers Us Virtual Machine's



Printical Containors

Docken Files consides of application cado, Library defondencies. and

FROM python: alphine 3.7 - Base timage from we need the copy . Papp -> wpy umage from base to the new image working /app EXPOSE 8080 -> The post that has to be exposed during the ENTRYPOINT ["python"] wannot be overwritten. (MD ["main. Py"] / can be overwritten on run time

I arrant id making à docker file demo ~ docker build -t saiyam 911/dockerfile -demo: VI Stag we need to mention to athorniso it take the updated tag.

View umago on System

docker umage LS

Run & workgiver in the image

docker jun -it -p 8080:8080 sayam 911/dockerfileinteractive

In this it will wook once a time and we refresh it will not load This in unteroutive mode

detached mode

docker sun -d -P 8000; 8000 saiyam 911/docker tile -domo:

detarted

The will work many times.

A python timage, in container ... docker and it runs in container ...

Docker Volumes

demo ~ docker run -it -v /home:/tmp/busybox
interactive volume

demo ~ docker run it -v demo: /usr /share busybox

/# cd / usr / share /

/usr / share # Ls -> listing Greating demo

/ usr / share # tauch domo -> now listing
/ usr / share # Ls -> now listing
/ usr / share # Ls -> now listing
/ usr / share # Ls -> now listing
/ usr / share / exit

dorken volume is

Driver boal

Driver domo

Voial

Jonal

directory

(realing docker bolume without maming.

docker sun it -v / home busybox

/ H cd/ home -> going to the directory

/ home # LS -> Listing

/ home # touch lest 2 -> adding lest 2 yolume

/ home # LS -> Listing

/ home # LS -> Listing

/ home # LS -> Listing

Lest 2 -> lest 2 in added so it in shawing hore

/ home # exist -> existing

demo ~ docker volume 1/2

Volume Name

John Sch 550 bd 06054 d1. - in traded.

Local

Demo -> old one

Local

domo ~ cd /var/ 46/ docker/volumes/

domo - LS

36d550bd06e5----demo.

Usually named Volumes are mostly used