Docker
Before Dorker -> Initially, only one application on me server. Every time we need to our new application we need buy new server. (Not appropriate) X ** Vinware solve Die problem by winy violual Hailvine. E) it aguice its own DS. (operating system)
Containers > An engine man enables any payload to be emapsuled as a lightweight, portable, self sufficient, confainer mat can be manipulated using standard operations and ours consistently on violately any hard-wall platfollom.
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What is Docker? Docker is a container platform that allow you to build, test and deploy applications quickly.
Runtime -> It allow us to Stacet and Stop containers. Low-level Rundime - own c Lit work with D.S. and stacet and stop Me container) Rundime Rundime

also help in managing contained there to interact with your container to the network. Also used in K8 ountime

iontainer.

containerd - Haneging rune

DOCKER CLI REST API Engine > Docker Dearmon SERVER (docker deamon) clicul Server Server Client Architecture Clars > Image Container Docker file can be shall Mitrutions to others. docker run hello-world image name Run an image to createa container -) interactive environment I docher our -it ubuntu - it will our ubuntu after you enter his command How to see all the images on backer? b) & docker images · Registry -> online reportery Eg -> Docker Hub. Container - Isolated environment in white we can our our application Discetty download images (without running) 1) docker pull mysel

To see container what are currently owning	
1 docker ps	
4) Locker container ls (see al container	-)
	4
v docter consciner exec -it [container 10] base	h_,
1 / 71	4's shell shoul
	be attach to
To show all the container and stopped D. L) Locker ps -a	ce container
4) docker pt -a	
To serrone a container	
W Locker Temore [CONTAINER_NAME]	
. 10	
To su au me details of me container 1) docker inspect [LONTAINER-NAME]	high s
W docker inspect [LONTAINER-NAME]	
All the state of t	13 1
To see logs	
L) docher logs []	
To delete all the stop container	
L) docker container prine -f	-
lader men alpine ping www. megaverse. co.	in
Locker non alpine ping www. megaverse.co.	round.
Sometime, I) If we want this to own it in the backg	
contained and a sing will n	regarerse.co.in
run fara docker nun -d alpine ping attent	
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of well settione id of the contraint)	
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# Alpine > A minimal doeser image ba alpine vinua with a compa index and only 5 mb hu	lete parrage
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It will our it
p docker logs since [5s [sp]
docker logs since [5s] [5p] Time just for 5s.
Access the darn
just for 5s.
docker stop [] - To stop the container
docker - To semone me stop
confulle
docker mi []-f - To semale invoje
2 70 terrete 1.
Accept
Accessing a container locally
darker a 7
docker our -d-p /8080:80 rigina
port
ngina défaut port is port 10.
You moule some changes in the container and want to snace with someone, and make that particular change visible.
snalle with some one would not out out
change visible.
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1) docker sun it ubunte
dacher
2) touch names tot
(3) seles "Hey my namel is Arpan Mondal" >> names. tat
If I want to download whise the the subunity that the south contain this tile.
ubunity made that contain this 410
we tan
we can use commit mellages

of To logh into doctur
of To logh Into doctur
To start a container -> docker start []
(9) docker exec -it [] bash
5) docker commit -m "added names. tat file" D name
ubuntu: [1.01] -> Tags -> Vervion image name
image name
To get image Id > docker image -a
To remove all the image et one > docher mi f (
docker (mage -a)
I Images also buill in layers. Each layer is immutable file,
* Images also buill in layers. Each layer is immutable tile, but is a collection of tiles and discertaintes.
V
How to execte Docker Image?
O location of the second of th
On touch Dockerfile
VI backerfile Base Image
(2) FROM ubuntu
MAINTAINER arpan mondal (access to argan @ gracil. com)
RUN apt-get
CMD ["ello", "Hello would 4] 100 corons
~ vi Doekerfile distin
L) docker build -t my Image: 1.01.
2-14
mkolin project
om sockerfile project
cd project Pina Me!
docker build - + mysmoge. Ping Ml!

want live tulowal

(Unua) Name of Me (Binary Files) down Docker. Engine when we give D-Running docker our command container H talks to docher dumon talks to confainted over Just Shim - dearnon les containes Client 12375) Server Docker aclow to only aupt The consulton are suure Mose to cour Images Advance Docher files · Have to contained in gant our app. Docher volume, impose, connectly various docker containe togeth Successi