S. Host a Hml page of ubuntu container

Step 1: - Installation in main madive

sudo apt update -y

sudo apt upgrade -y

sudo apt-get install apache 2 -y

sydo apt-get install systematy -y

5400 systemed start apache2

sudo systemed enable apacher

sudo apt-get install curl

sudo apt-get install docker. 10

Step 2: Pull ubunty image

sudo docker pull ubunty

step 3: (realing container of ubunty image

docker run -- name VI - it ubunty: latest

Step M: In VI container

sudo apt ypeate -y

apt upgrade -y

apt-get install apache 2

apt -get install systemet

apt -get install vim-y

sudo systemett enable apachez

It sudo systemall start apaches

cd /var/www/html/
om - rt indep.html -> remove precent indep.html
Uim indep.html
L> welcome to cdac-acts pune
exit

step S: In main machine

sudo docker start V1

sudo docker exec -it VI systemett start apacher
sudo docker inspect VI -> it gives network into of
VI contairer.

then copy the ip address of v1 container & paste the ip address in the web browser it will show the test in the indep. Himl file which is present in the U1 container.

. .

Step 1: Installation in main machine
sulo apt update -y
sulo apt-get install systemed -y
sulo apt-get install apache2 -y
sulo apt-get install apache2 -y
sulo systemed enable apache2
system et start apache 2
system et start apache 2
sulo apt-get install earl
sulo apt-get install earl
sulo apt-get install docker.io

step2: Pull nginp image # sudo docker pull nginx

step3: creating container of nginp image
sude docker run -d --name n1 -it nginx: latest
L> it will create nginx containe with name n1

step 4: Getting shell at that container.

Sudo docker exec -it nt /bin /bash

step s: In nt containers.

apt update -y

apt upgrade -y

apt -get install vim

cd /usr/share/nginp/html

om -rt indep. html

vim indep. html

Ls welcome to ngine

epit

Step 6: In main madire

sudo docker inspect n1

Now copy the ip address of no container B paste it in the web browser, it will show the text in the indep. html file which is present in the not container.

9. to Host custom webpage on post 8100 using ngind image

Step 1: Installation in main machine

sudo apt update -y

sudo apt upgrade -y

suco apt-get install systematt -7

sudo apt-get install apache 2 - y

sudo apt-get install curl

sylo apt - get install docker. io

sydo systemati enable apachez

sudo system cH start apache 2

Step 2: Pull nginp image

sudo docker pull nginx

Step 3: create ngins container which will our on

sudo docker run -d -- name n1 -p 8100:80 ngink

step 4: Getting shell of 11 container

sudo docker exec -it n1 /bin/bash

TP 5: In n1 container

apt update - y

apt upgrade -y

apt-get install vim

-# cd /usr/share(nginx/n+m)/ 3 10 # om - of index. ntm | 3 # Vim indep. html 0 Ls welcome to rginx container 8100 97 98 # 6kit 3

Step 6: In main machine.

ip a

3

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1

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then copy the ip address of UM machine & paste it in the web browser & then type : 8100 atter ip address.

example :- 192.168.20.157:8100 ip address of VM machine

this will print test in indep. html file which is present in n1 container.

Q. Host custom web page by coeasting ubuntu image using dockertile

sudo apt update -y
sudo apt update -y
sudo apt install systemet -y
sudo apt install systemet apache 2 -y
sudo systemet enable apache 2
sudo systemet enable apache 2
sudo systemet start apache 2
sudo apt install vim -y
sudo apt install curi

step 2: create new directory

sudo medio app 1

cd app 1

vim indep. html

Ls welcome to corre-acts Pune

Step 3: create Dockertile in appl directory

vim Dockertile

Ly FROM ubuntu: latest

Fund aptupgrade - y

PUN apt update - y

PUN apt upgrade - y

RUN apt install systemati - y

RUN apt install apacher - y

RUN systemett enable apachez
RUN systemett start apachez
RUN rm -rt /var/www/htm/ index.htm/
copy · /var/www/htm/

/appl # sudo docker build -t new image: 1.
La this it will create image by name new image

Step 4: create container of image (new image) # sudo docker oun -- name v1-it new image: 1 Ls this will create container with ma name V1

Step 5: In main machine

sudo docker inspect v1

La this will provide detail information of UL.

now copy the ip address & paste it in web

browser. it will show the text message

in the index. ntml which is "welcome to

coac-acts pune"

container + using Dockerfile Step 1: In main madine # sudo apt update -y # sudo apt upgrade -y # sudo apt Instaul systemeth - y # sudo apt install apache2 -y # sudo systemat start apachez # sudo systematl enable apache 2 # sudo apt Install Vim -y # sudo apt install curl -y step 2: create new directory # WELLY app2 # cd 9PP2 # vim index.html Is welcome to ngink image rep3: create Dockerfile in app2 directory # Vim Dockerfile Ly FROM nginp: latest PUN apt updade - y FUN apt upgrade - y RUN rm-rt /458/share/nginx/html/index.htm) COPY . /USY/share/nginx/html/

Q. Host custom indep. html web page in nginx

sudo docker build -t nginximage! 1.

Le this will corecte image by name nginximage

step 4: create container of image nginximage.

sudo docker oun -d -- name n1 - it now image! L

Lethis will create container with maximame n1

step 5: thosting web page

sudo docker inspect n1

Lethis will provide detail into. of n1 container

Now copy the ip address of n1 container &

paste it in the web browser, it will show

the text message in the index html file which

is " welcome to rigink image"

3

1

3

3

>

>

3

Q. Host custom indep. html webpage in httpd container using Dockerfile Step 1: installations in main machine # sudo apt update - y # sudo apt upgrade -y # sudo apt install vim -4 # sudo apt install curl - y # sudo apt instand systemett - y # sudo apt install apaches -y It sudo apt system at stoot apache 2 # sudo systematl enable apache 2 step 2: create new directory # MKdir app3 # cd app3 # vim Indep. html Ly welcome to nttpd image step 3'. create Dockerfile in app3 directory # vim Dockerfile Ly FROM httpd: lastest RUN apt update - y PUN apt upgrade -4 RUN rm-rf/usr/local/apache2/htdocs/index.htm

COPY . /US8/ local/apache2/htdocs/

Sudo docker build -t httpdimage: 1.

by this will create image by name httpdimage

steph: coecute tronterine of image httpdimage.

sudo docker ryn-d-name hi-it httpdimage: 1

by this will create containe by name hi

steps: Hosting web page.

sudo docker inspect hi

by this will provide detail into of hi container.

now copy the ip address of hi container & pagte

it for in the web browser, it will show the

text message in the index html file which is

welcome to httpd image!

S. Push image to public Hub

step 1: Login to to Docker hub in web browser then create repository of any name.

Step 2: Login docker into in uni terminal

sudo docker login

Denter il & passord of your docker hub account

Step 3: It you have made custom image using Dockertile, you have to change its name to your docker repository name.

sudo docker 1 poesent image: tag new image: tag

New image should be your repository name

eg: - username / repository name

-> this will create new image by name newimage with tag

Step 4: Push image to public hub

sulo docker push newimage: tag

this will push your image to your doclars hub sepo.

Q. transfer image by converting in it into ·tar tile From machine 1 to machine 2. & docker Step 1: install sst to into both madiney. # sudo apt install ssh -y # sudo apt install docker in . io - y 6 1 step 2: in madding 1 3 create new image or pull nane any image B From ut docker hub # sudo dockerpull ubunty: latest 3 Steps: In machine 1 7 create tar file of ubuntu image 9 # sudo docker save ubunty: latest > ubunty.ter 3 3 Las this will create far file of ubunty image 0 -3 Step 4: Now in machine 2 Find its ipaddress 3 # sudo ip 9 --3 Ly Now copy the ip address of machine 2 -3 steps: Now orn main machine 1 -3 /home/machi === # 6cp ubunty.tar machine 2@ machin 2 ip addr. -La this will share far file from madrie 1 to machine 2 --Step 6: Extract tax file in machine 2 1 # sudo docker Load / ubunty.tar -3 3 Ly this will extract tar time file in image -