

Docker Hands-on:2

Question: How to move our already created docker image from our environment to <https://hub.docker.com?>

Step1:First we need to check if there is any image in the docker or not
Docker image ls

Step2:Now we will run the command to push image to hub.docker

Docker push image_name_tag_name

Ex:docker push cizaar:v1

The above command gave you the below error because we haven't gave any idea about the account access or details. For pushing we need credential always only if it is private for public not required.

"denied: requested access to the resource is denied"

We run the below command to build the image
"docker build --file dockerfile --tag cizaar:v1 path"

We need to run the below command:
docker build --file dockerfile --tag docker.io/harshit407/cizaar:v1 /root

"root " is the path where we created the docker image

We can see the output also with "docker image ls"

```
root@ip-172-31-10-49:~# docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
harshit407/docker	v1	98ba3614e1d1	About an hour ago	361MB
cizaar	v1	98ba3614e1d1	About an hour ago	361MB
nginx	latest	92b11f67642b	6 weeks ago	187MB
ubuntu	18.04	f9a80a55f492	10 months ago	63.2MB

Still we will get the below error if we run the below command because we haven't gave the credential till now:

docker push harshit407/cizaar:v1

Step3:Now authenticate it with the below command:

Docker login

harshit407

Password

Mostly recommended to save the folder name docker as a repository name like

harshit407/cizaar and cizaar is also my folder name in the hub.docker which is easy actually.

Step4:Now if we run the below command it will push the docker image to hub.docker

docker push harshit407/cizaar:v1

We can check also in the docker our image will be there and uploaded....

Now we can use anywhere or anyone our image to the docker by just doing pull

=====END=====

Part2:

Question:What if i don't have the docker file and i also want to push any other image how can i do that?

So the answer is once we tag the image to the docker hub and after that we created another image then we can also push it and retag it and create the same aliases

Step1:first we need to tag it to my repository and then push it follow the below steps:

docker tag [docker.io/library/nginx:latest](https://hub.docker.com/_/nginx/) docker.io/harshit407/cizaar:nginx-latest

root@ip-172-31-10-49:~# docker image ls

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
harshit407/cizaar	nginx-latest	92b11f67642b	6 weeks ago	187MB
nginx	latest	92b11f67642b	6 weeks ago	187MB

If we see the above output tagging is done.

Step2:Push the image with the below command:

Docker push harshit407/cizaar:nginx-latest

If we want to verify we can also check from the hub.docker..

=====END=====

