## Docker Hands-on:3

Question: How to recover the container if we delete it by mistake

Here we use the Docker volume

whenever we remove the container all will get deleted permanently but if we really want to save the data then we need to add onother external drive. So, that whenever we delete the container we will have the data backed up in the over external drive

what is docker volumes? It helps to attach an external storage to containers It also helps to make the data persistent

To check docker volumes:

docker volume Is

docker volume create applogs (instead of applogs we can write anything we want) docker volume is

docker volume inspect applogs (this will show some path where this file save in /var/lib/docker/volumes/applogs instead of /var/lib/docker/container/volumes/applogs which is good to secure the data )

can we add this path in the running container?

Nc

We only can attach the volume in the container when we are creating the container

Here our goal is to make the particular folder safe and attach on the other docker volume.

Step1:We need to remove the running container to add the docker volume Docker container rm -f container\_ID

If we have any doubt like if we remove it how we can run so for also we can test to run the container with the below command:

Ex:Docker container run -d -P nginx:latest

Step2:check and take the confirmation that container is running or not...

Step3:Run the below command to add the docker volume :

Ex: docker conatiner run -d -P --mount type=volume,src=applogs,target=/opt/tomcat/logs harshit407/cizaar:v1

OR

Here "src" is the folder which we created

docker conatiner run -d -P -volume applogs:/opt/tomcat/logs harshit407/cizaar:v1

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"Target" is path where file exist from where we need to attach
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In the above output we can see the mountpoint and name So,the mountpoint refers to the src where it will help for the path means applogs path is the destination and target is the source.

So now if we remove the container then we can't loose the data Data is still available in the path:/var/lib/docker/volumes/applogs/\_data Which is called the docker volume.

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Can we create the multiple volume to a single container?yes Can we create the single volume with multiple container?Yes

In the real word scenario generally company use the other volume or backup system like NFS or dell EMC networker to save the data in external side.