Check:-

You can check the size of this directory and get the total disk space used by Docker:

sudo du -sh /var/lib/docker

All utilaization container, images, volumes

docker system df

sdocker system df -v (with alot of details)

### Checking docker image sizes

docker image ls

Running container size

docker ps --size

Dlit:-

Container

docker container prune (all stoped container)

docker container prune --filter "until=24h"

Image:-

docker image prune

cleans up dangling images

A dangling image is one that is not tagged and is not referenced by any container

docker image prune -a

To remove all images which are not used by existing containers,

docker image prune -a --filter "until=24h"

filter

Volumes:-

docker volume prune

Net:-

docker network prune

Prune every thing:-

docker system prune

Really prune everything with volumes:-

docker system prune --volumes

systemctl stop docker

rm –rf /var/lib/docker

systemctl start docker

#### Docker Volumes

If you are looking for the locations of specific volumes, you can use the docker volume ls command first and check the volume name or ID. Say, for example, I've run the alpine container with the following command with a volume:

docker run -ti -d --name alpine-container -v test-data:/var/lib/app/content alpine

Now, a volume named test-data will automatically get created. Let's now create a file named test.md inside this location:

$ docker exec alpine-container sh -c "touch /var/lib/app/content/test.md"

Verify the file has indeed been created:

$ docker exec -ti alpine-container sh

/ # ls /var/lib/app/content/

test.md

/ # exit

When you run docker volume ls, the volume named test-data would be listed:

$ docker volume ls

DRIVER VOLUME NAME

local d502589845f7ae7775474bc01d8295d9492a6c26db2ee2c941c27f3cac4449d1

local e71ee3960cfef0a133d323d146a1382f3e25856480a727c037b5c81b5022cb1b

local test-data

Finally, you can confirm the actual location of the file on your host system:

$ sudo ls -l /var/lib/docker/volumes/test-data/\_data

total 0

-rw-r--r-- 1 root root 0 Oct 6 23:20 test.md

Therefore, the path for the mounted volume is always located inside a directory named \_data inside the respective volume directory.

So, you can use the du command here again for specific volumes!:

avimanyu@iborg-desktop:~$ sudo du -sh /var/lib/docker/volumes/test-data/\_data

4.0K /var/lib/docker/volumes/test-data/\_data

Always remember to note the volume name every time you want to find out how much space your volume is using.