**Change Docker default directory & Image Location:**

<https://linuxconfig.org/how-to-move-docker-s-default-var-lib-docker-to-another-directory-on-ubuntu-debian-linux>

Using Docker Volumes for Mongo DB:

docker volume create mongodb

/var/lib/docker/volumes/mongodb/\_data/

docker run --rm -dit --name mongodb -v mongodb:/data/db -p 27017:27017 mongo:latest

docker exec -it mongodb bash

mongo

db.helo.insertMany([

{ "\_id" : 1, "name" : "Matt", "status": "active", "level": 12, "score":202},

{ "\_id" : 2, "name" : "Frank", "status": "inactive", "level": 2, "score":9},

{ "\_id" : 3, "name" : "Karen", "status": "active", "level": 7, "score":87},

{ "\_id" : 4, "name" : "Katie", "status": "active", "level": 3, "score":27, "status": "married", "emp": "yes", "kids": 3},

{ "\_id" : 5, "name" : "Matt1", "status": "active", "level": 12, "score":202},

{ "\_id" : 6, "name" : "Frank2", "status": "inactive", "level": 2, "score":9},

{ "\_id" : 7, "name" : "Karen3", "status": "active", "level": 7, "score":87},

{ "\_id" : 8, "name" : "Katie4", "status": "active", "level": 3, "score":27, "status": "married", "emp": "yes", "kids": 3}

])

db.helo.find({name: "Katie"})

Using Docker Volumes for MySQL:

docker volume create mysqlvol

docker run --rm -dit --name mysql1 -v mysqlvol:/var/lib/mysql -e MYSQL\_ROOT\_PASSWORD=India@123456 -p 3306:3306 mysql:latest

Bind Mounts:

docker run --rm -dit --name mysql1 --mount type=bind,source=/bindpath,target=/var/lib/mysql -e MYSQL\_ROOT\_PASSWORD=India@123456 -p 3306:3306 mysql:latest

**Changing Docker Volumes Default Location:**

nano /lib/systemd/system/docker.service

ExecStart=/usr/bin/dockerd --data-root /mydocekrvolumes/ -H fd:// --containerd=/run/containerd/containerd.sock

sudo systemctl daemon-reload

sudo systemctl restart docker

**Using Bind Mount:**

docker run --rm -dit --name utils -v /var/run/docker.sock:/var/run/docker.sock sreeharshav/utils

Using Bind Mount With None Network:

docker run --rm -d --name utils -v /var/run/docker.sock:/var/run/docker.sock --network none sreeharshav/utils:latest

**Using both Docker volumes and bindmount:**

docker volume create portainer\_data

docker run -d -p 8000:8000 -p 9443:9443 --name portainer \

--restart=always \

-v /var/run/docker.sock:/var/run/docker.sock \

-v portainer\_data:/data \

portainer/portainer-ce:2.11.1