## DOCKER STORAGE



#### **IDOCKER STORAGE**

# STORAGE DRIVERS

VOLUME DRIVERS

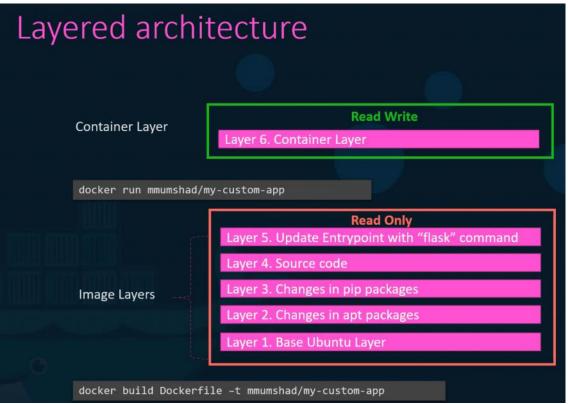
When you install Docker on a system

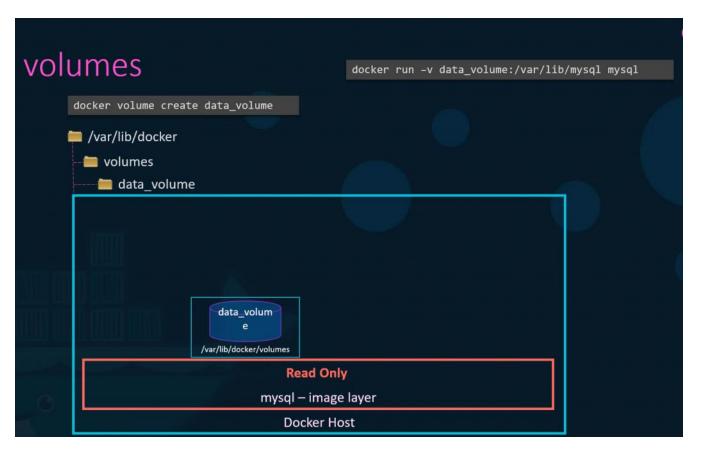
it creates this folder structure at /var/lib/docker/

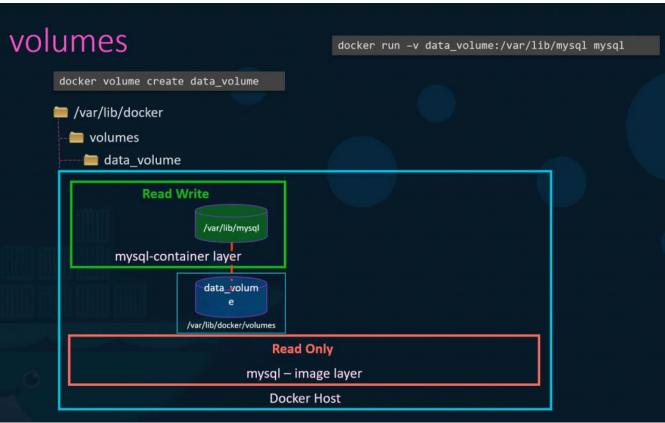
This is where docker stores all its data by default.

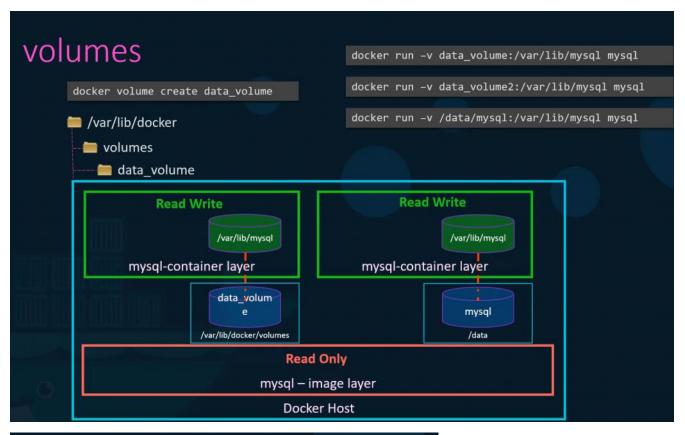












docker run \
--mount type=bind,source=/data/mysql,target=/var/lib/mysql mysql

### Storage drivers

- AUFS
- ZFS
- BTRFS
- Device Mapper
- Overlay
- Overlay2

#### **Docker Volume Behaviours**

No	Situation	Behaviour
1	If there is no target directory.	The target directory is created and files inside volume are copied to this directory.
2	If there is a target directory, but it is empty.	The files in the volume are copied to the target directory.
3	If there is a target directory and it is not empty, but volume is empty.	The files in the target directory are copied to volumes.
4	If the volume is not empty.	There will be just the files inside volume regardless of the target directory is full or empty.

## DOCKER VOLUMES

## STORAGE DRIVERS

AUFS | ZFS | BTRFS | DEVICE MAPPER | OVERLAY

#### VOLUME DRIVERS

Local | Azure File Storage | Convoy |
DigitalOcean Block Storage | Flocker | gce-docker | GlusterFS
| NetApp | RexRay | Portworx | VMware vSphere Storage

https://docs.docker.com/engine/extend/legacy\_plugins/

# docker run -it \ --name mysql --volume-driver rexray/ebs --mount src=ebs-vol,target=/var/lib/mysql mysql