



DOCKER

Persistent Data : Volumes

Docker : Data Management

- Volumes : **Volumes** are stored in a part of the host filesystem which is *managed by Docker*.
- Volumes are created and Managed by Containers.
- Volumes can be create by Volume Command in Docker File.
- When you create a volume, it is stored within a directory on the Docker host machine.
- Volumes can not be removed when user destroy the containers.

Docker : Data Management

➤ Pull mySQL image

➤ Run My SQL

```
docker container run -d --name mysql -e  
MYSQL_ALLOW_EMPTY_PASSWORD=True mysql
```

➤ List volumes

➤ Inspect Volumes

Docker : Data Management

➤ Named volumes

➤ Run My SQL with named Volume

docker container run -d --name mysql -e

*MYSQL_ALLOW_EMPTY_PASSWORD=True -v mysql-db:/var/lib/
mysql mysql*

➤ Create Volumes

`docker volume create <name>`

➤ Remove Volume

`docker volume rm <name>`

Docker : Data Management

- Named volumes
- Run My SQL with named Volume
*docker container run -d - -name mysql -e
MYSQL_ALLOW_EMPTY_PASSWORD=True - -mount
source=mysql-db, target=/var/lib/mysql mysql*
- Create Volumes
docker volume create <name>
- Remove Volume
docker volume rm <name>

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, writing the words 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the marker tip touching the paper. The background is plain white.

See you in next lecture ...