

# Docker : Docker MasterClass for DevOps

Persistent Data : Handle with  
Data Volumes



# Docker : Service Containers

- **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 : Service Containers

➤ Pull mySQL image

➤ Run MySQL –

*docker container run -d - --name mysql -e  
MYSQL\_ALLOW\_EMPTY\_PASSWORD=True mysql*

➤ List volumes

*docker volumes ls*

➤ Inspect Volumes

*docker volume inspect*

# Docker : Service Containers

- Named volumes
- Run MySQL 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>*

# Docker : Service Containers

- Named volumes
- Run MySQL 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>*

# Thank You...

Don't be the Same! Be Better!!!

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