

MARIADB database in docker

Step 1:- Create an EC2 instance Ports: 22, 3306

Step 2:- Connect to EC2 instance

Step 3:- Install Docker Engine latest version
<https://docs.docker.com/engine/install/ubuntu/> (for ubuntu)

Step 4:- Pull mariadb image

```
root@ip-172-31-30-167:~# mkdir mariadb
root@ip-172-31-30-167:~# cd mariadb/
root@ip-172-31-30-167:~/mariadb# ls
root@ip-172-31-30-167:~/mariadb# docker pull mariadb
Using default tag: latest
latest: Pulling from library/mariadb
bccd10f490ab: Pull complete
d9d8e1823c6f: Pull complete
4b658f15686b: Pull complete
153080ffcdd5: Pull complete
fc35f7aae1e5: Pull complete
59efd043a883: Pull complete
676a7ad9f737: Pull complete
335ef3100b9e: Pull complete
Digest: sha256:b5e508abc5d889425e90212541e30d29279b7ed34dd74bab5bb715b2f2aeeb7b
Status: Downloaded newer image for mariadb:latest
docker.io/library/mariadb:latest
root@ip-172-31-30-167:~/mariadb# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
mariadb        latest    bc6434c28e9a   4 weeks ago    405MB
```

Step 5:- Create container using Image and log in to create database

```
docker run -d -p 3306:3306 -e MARIADB_ROOT_PASSWORD=<password> <image_name>
```

For logging in

```
docker exec -it cont.id mariadb -u root -p<password>
```

```
root@ip-172-31-30-167:~/mariadb# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
d0aef5f52236   bc6       "docker-entrypoint.s..." 4 seconds ago Up 3 seconds  0.0.0.0:3306->3306/tcp, :::3306->3306/tcp   friendly_g
root@ip-172-31-30-167:~/mariadb# docker exec -it mariadb -u root -p1234
Error response from daemon: No such container: mariadb
root@ip-172-31-30-167:~/mariadb# docker exec -it d0a mariadb -u root -p1234
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 3
Server version: 11.3.2-MariaDB-1:11.3.2+maria-ubu2204 mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]>
```