

## Mongo database in docker

### Step 1:- Create an EC2 instance

Ports:22, 27017 ,32768

### 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 mongo image

```
root@ip-172-31-30-167:~/mongodb# docker pull mongo
Using default tag: latest
latest: Pulling from library/mongo
bccd10f490ab: Already exists
b00c7ff578b0: Pull complete
alf43ab85151: Pull complete
9e72f6a5998a: Pull complete
8424336879e4: Pull complete
85a6d3c2e6c8: Pull complete
c533c21e5fb8: Pull complete
1fddf702bb73: Pull complete
Digest: sha256:0e145625e78b94224d16222ff2609c4621ff6e2c390300e4e6bf698305596792
Status: Downloaded newer image for mongo:latest
docker.io/library/mongo:latest
root@ip-172-31-30-167:~/mongodb# docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mongo	latest	24041ceefc56	5 days ago	755MB
mariadb	latest	bc6434c28e9a	4 weeks ago	405MB
crate	latest	3c11803a9255	4 weeks ago	426MB

```
root@ip-172-31-30-167:~/mongodb#
```

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

```
docker run -d -P -e MONGO_INITDB_ROOT_USERNAME=<user>
```

```
-e MONGO_INITDB_ROOT_PASSWORD=<password> <imageid>
```

```
root@ip-172-31-30-167:~/mongodb# docker run -d -P -e MONGO_INITDB_ROOT_USERNAME=root -e MONGO_INITDB_ROOT_PASSWORD=1234 240
bc6c2fdd83ec19c29fab282cd77f72c3892b02e90e34d3a448e94c63c5d2844d
root@ip-172-31-30-167:~/mongodb# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
bc6c2fdd83ec	240	"docker-entrypoint.s..."	3 seconds ago	Up 2 seconds	0.0.0.0:32768->27017/tcp, :::32768->27017/tcp
c8cd267cfadb	3c11	"docker-entrypoint.s..."	14 minutes ago	Up 14 minutes	0.0.0.0:4200->4200/tcp, :::4200->4200/tcp, 0.0.0.0:4300->4300/tcp, :::4300->4300/tcp, 0.0.0.0:5432->5432/tcp, :::5432->5432/tcp

```
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```

### Step 6:- Logging using mongosh

```
root@ip-172-31-30-167:~/mongodb# docker exec -it bc6 mongosh
Current Mongosh Log ID: 65ffb8e65c364808f4db83af
Connecting to:
  mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.0
Using MongoDB:
  7.0.7
Using Mongosh:
  2.2.0

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

test> db
```