



University Of Piraeus

Department of Digital Systems

MongoDB Deployment on Docker Container

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MongoDB Deployment on Docker Container (1/3)



Given that docker is active and running, you can deploy MongoDB by the following steps;

- ❑ Download the latest MongoDB docker image:

```
$sudo docker pull mongo
```

- ❑ In case you need a specific version of MongoDB (e.g. 4.4.1), then type:

```
$sudo docker pull mongo:4.2.2
```

- ❑ Create a directory on your host system:

```
$sudo mkdir ~/mongoData
```

MongoDB Deployment on Docker Container (2/3)



❑ Start the container with the command:

```
$sudo docker run -it -v ~/mongoData:/data/db  
--name mongodb -d mongo
```

-it flag provides an interactive shell to the docker container, **-v** flag maps the mongoData host volume to the /data/db container volume, **--name** is the name of the container and **-d** indicates running the container as a background process. The `mongo` word is the image's name

MongoDB Deployment on Docker Container (3/3)



- Connect to the container:

```
$sudo docker exec -it mongodb bash
```

- Then type: `$sudo mongo`



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