# DOCKER

**#Uninstall conflicting packages:**

for pkg in docker.io docker-doc docker-compose docker-compose-v2 podman-docker containerd runc; do sudo apt-get remove $pkg; done

**# Add the official Docker GPG key:**

sudo apt-get update

sudo apt-get install ca-certificates curl

sudo install -m 0755 -d /etc/apt/keyrings

sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc

sudo chmod a+r /etc/apt/keyrings/docker.asc

**# Add the repository to the APT sources:**

echo \

"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \

$(. /etc/os-release && echo "$VERSION_CODENAME") stable" | \

sudo tee /etc/apt/sources.list.d/docker.list > /dev/null

sudo apt-get update

**#Install the latest version:**

sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

**#Verify that the Docker Engine installation is correct:**

sudo docker run hello-world

**# Configures Docker to start on system boot:**

sudo systemctl enable docker.service

sudo systemctl enable containerd.service

## MongoDB Docker Container

**#Download MongoDB V.4 image:**

sudo docker pull mongo:4

**#Run the MongoDB container:**

sudo docker run --name my-mongo -d -p 27017:27017 mongo:4

*my-mongo -> is the name we give to the container.

**#Check if the container is running:**

sudo docker ps

**#Open MongoDB shell:**

sudo docker exec -it my-mongo mongo

*my-mongo -> is the name we give to the container

**#Example create DB and collection**

use products

db.createCollection(“computers”).

**#Insert data into the collection:**

```
db.computers.insertOne({
   model: “Acer Aspire”,
   type: “Laptop”,
   ram: “16GB”
})
```

**#Verify data insertion:**

```
db.computers.find().pretty()
```

**#Stop container:**

```
sudo docker stop my-mongo
```

S.O.: Ubuntu Server 22.04 LTS (Jammy)

Webs:

Ubuntu | Docker Docs

Post-installation steps | Docker Docs

mongo - Official Image | Docker Hub