

Install docker on EC2 and explore the docker commands (docker images, containers, volumes, network)

Install docker on EC2

```
[root@ip-172-31-39-229 ec2-user]# docker --version
Docker version 25.0.5, build 5dc9bcc
[root@ip-172-31-39-229 ec2-user]#
```

- **Yum install docker** command for install docker in linux
- **Docker --version** command for check the docker availability

Explore the docker commands

Docker images

```
[root@ip-172-31-39-229 ec2-user]# docker images
REPOSITORY    TAG       IMAGE ID   CREATED   SIZE
```

- **Docker images** to list all the images for that particular docker file

Docker Containers

```
[root@ip-172-31-39-229 ec2-user]# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
```

- **Docker ps** command for list all images with their containers

Volumes

```
[root@ip-172-31-39-229 ec2-user]# docker volume ls
DRIVER        VOLUME NAME
```

- **Docker volume ls** command for list all docker volume files
- **Docker run -v <filename> --rm <image id>** command to get data in volume for a particular image id then the image is removed once it goes inside container

Network

```
[root@ip-172-31-39-229 ec2-user]# docker network create mynetwork  
51bd3edaa31ebdf44eb8b404615d6f381e91f3893f245099b7ade287e7a6b64f
```

- **Docker network create** <> command for create network
- **Docker network inspect** <> command for check network status
- **Docker network connect/disconnect** <> command for activity