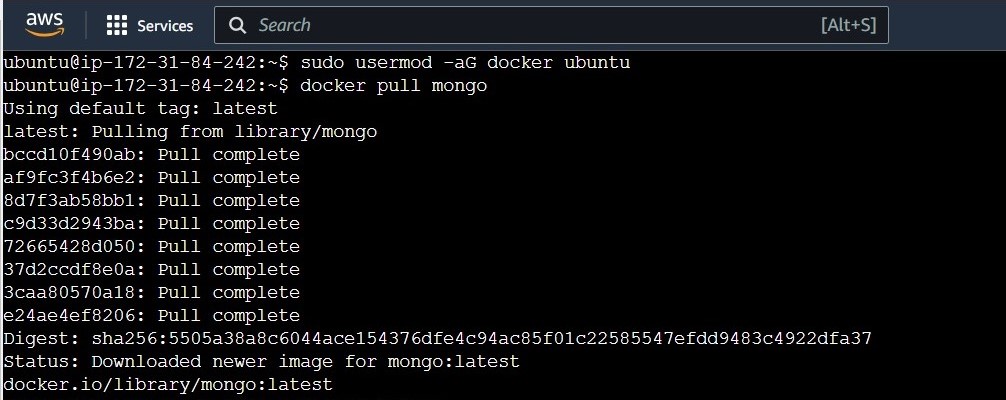
**Docker Commands**

If other user want permission to run docker commands

sudo usermod -aG docker user



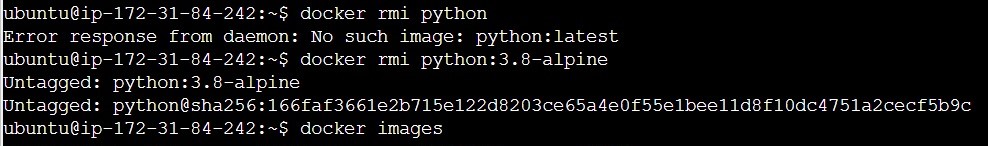
**Docker Images**

To list all docker images

docker images

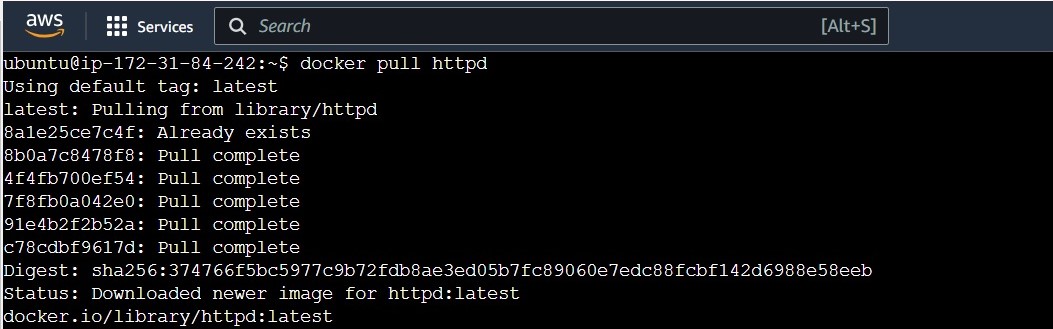


To remove docker images, docker rmi image\_name



To pull image from docker hub

docker pull image



To run in detach mode

docker run -d image-name

To run image in attach mode

docker attch id

To run particular version of an image

docker run image image\_name:tag

To run image in interactive mode

docker run -I image\_name

**Containers:**

docker run --name sql\_cont -e MYSQL\_ROOT\_PASSWORD=admin123 -d mysql

Execute command in docker container:

To login into container,

docker exec -t container\_name /bin/bash

mysql -u root -p

To view all databases in the system,

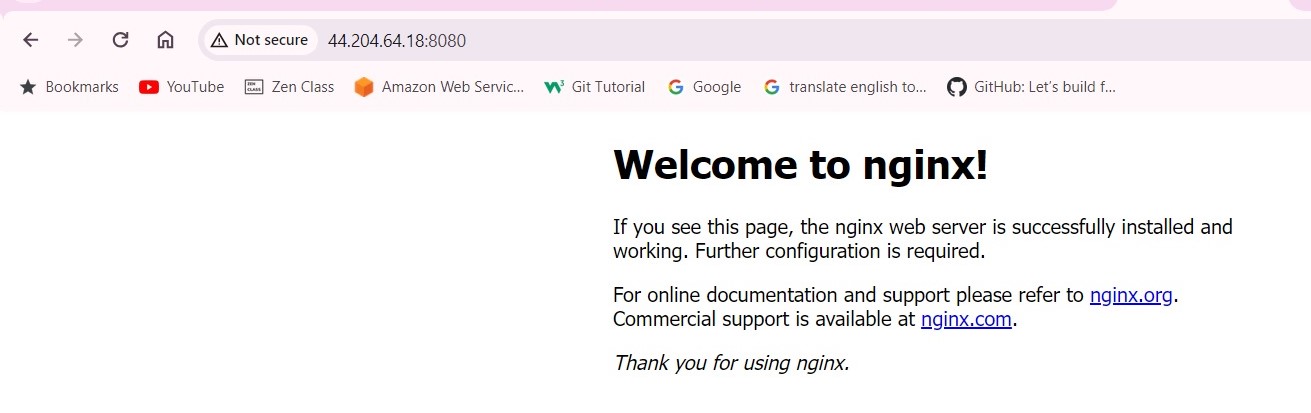
show databases;

To create datebase.

create database database\_name;

------------------------------------------------------------------------------

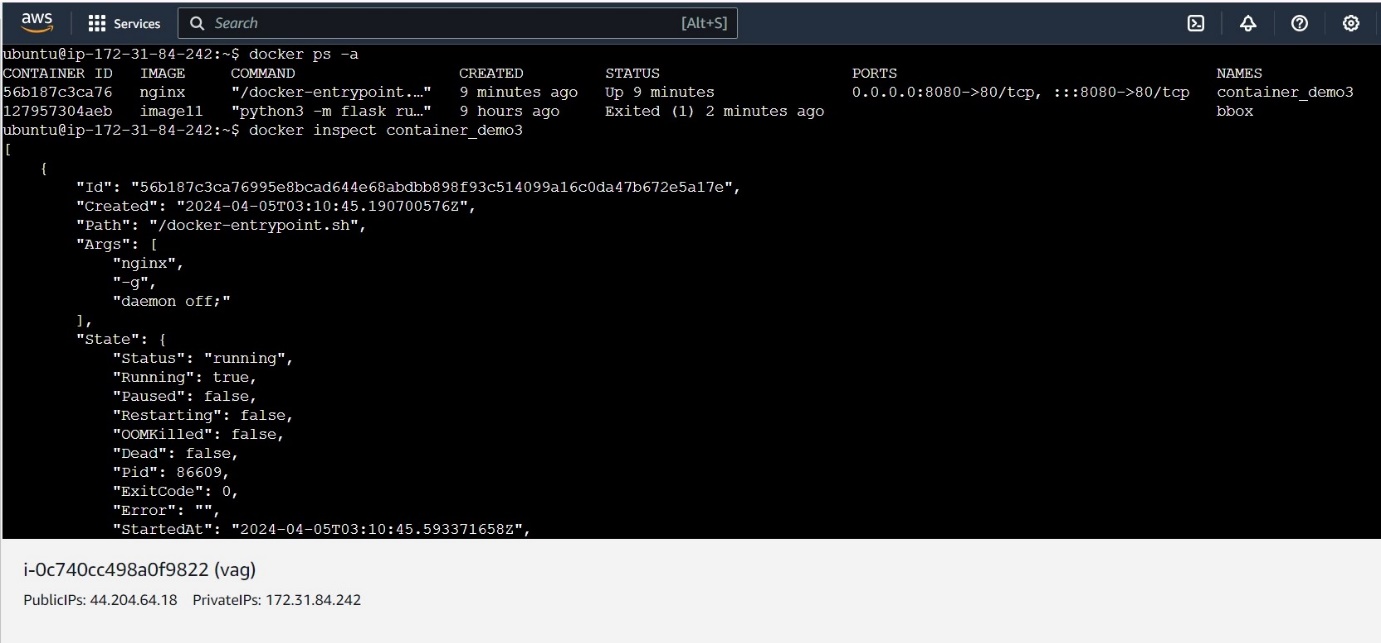
docker run –name container\_name -d -p 8000:80 nginx



docker ps -a

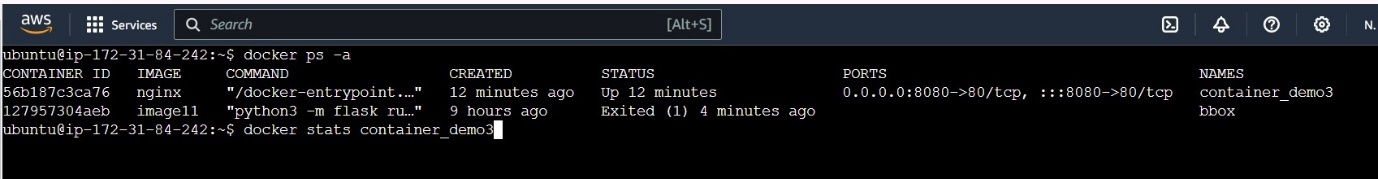
Inspect container:

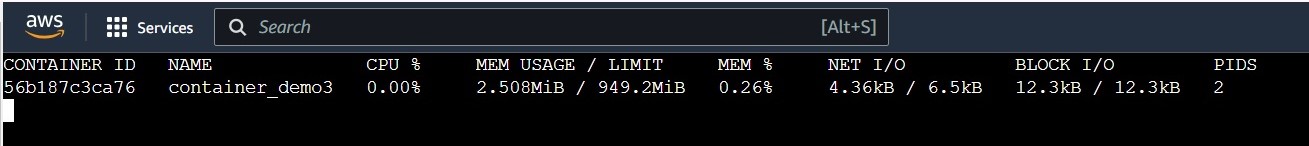
docker inspect container\_name



To check if container is not running or there is some error

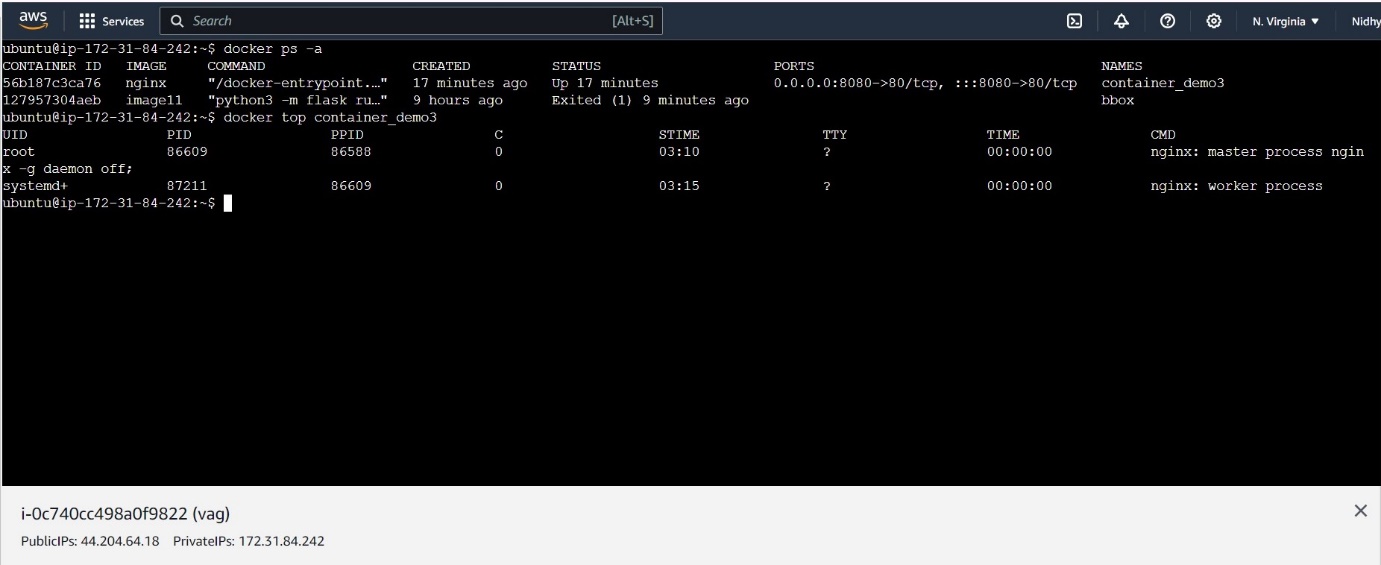
docker logs container\_name

docker stats container\_name



docker top container\_name

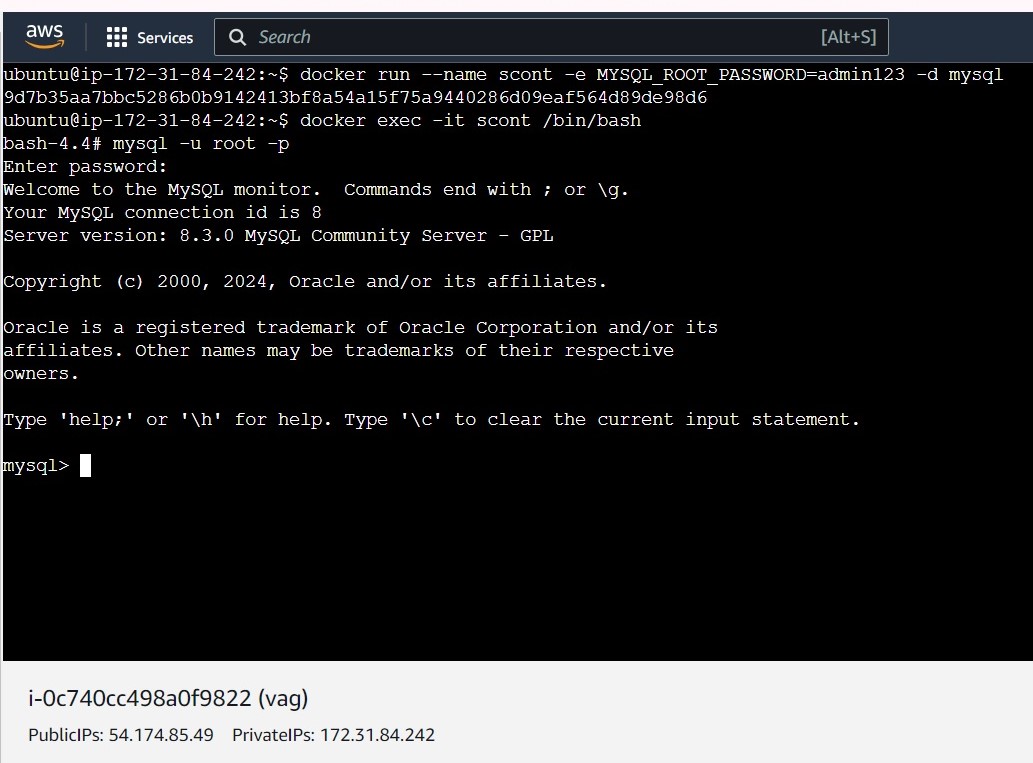
It provides information about the CPU, memory, and swap usage if we run it inside a Docker container

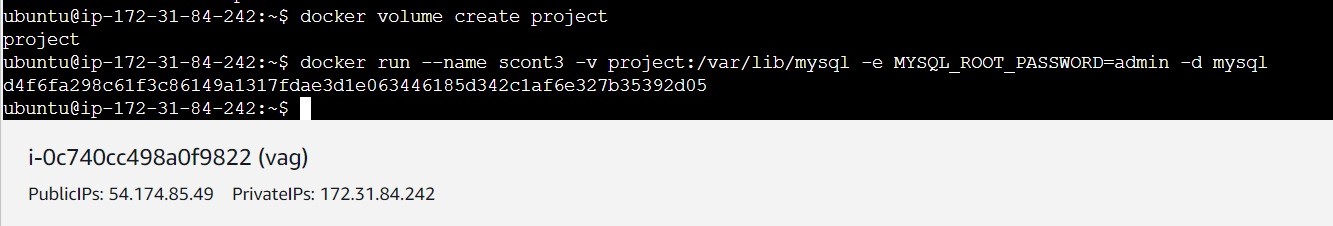


Volumes:

docker volumes create volume\_name

docker run -d –name container\_name -v volume\_name:/var/lib/mysql -e MYSQL\_ROOT\_PASSWORD=admin -d mysql





To stop container use Id/Container\_name

docker stop containername/container\_id



**Docker Networking**

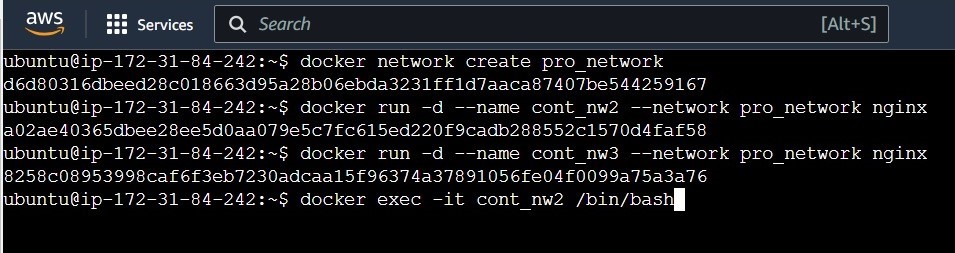
To list all networks:

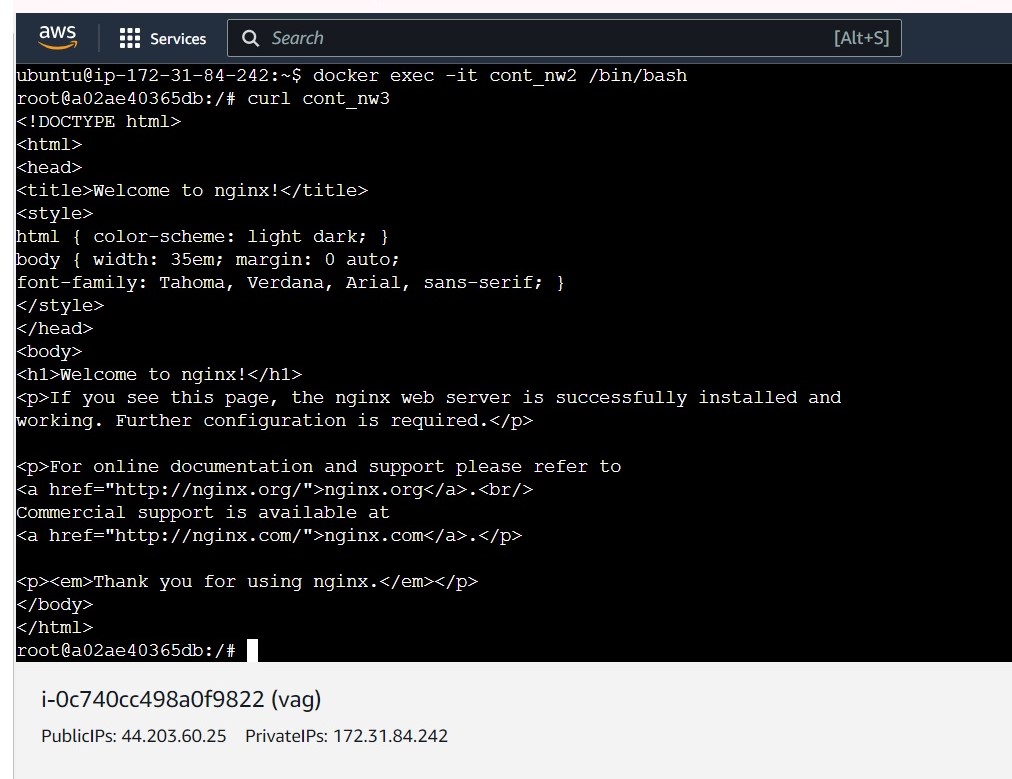
docker network ls

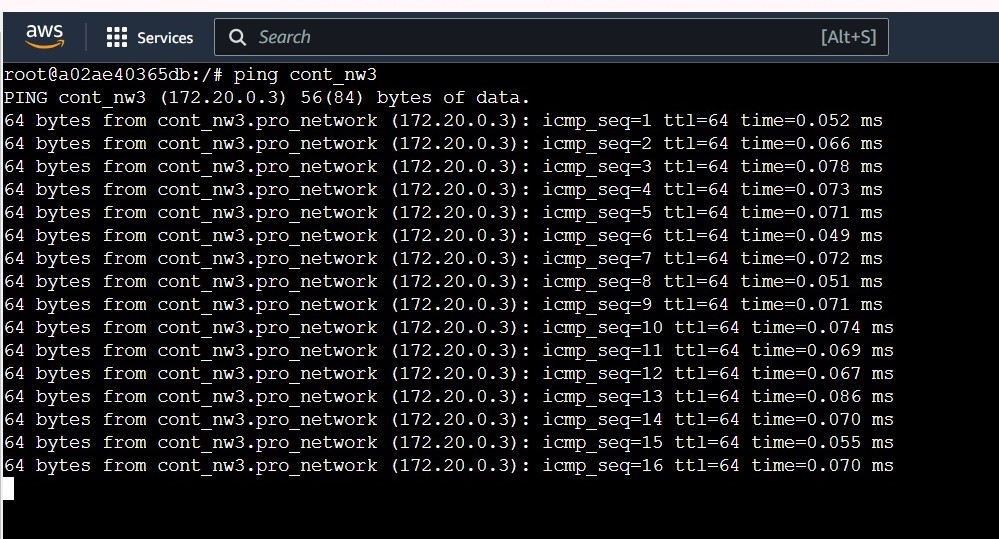
To create custom bridge networks:

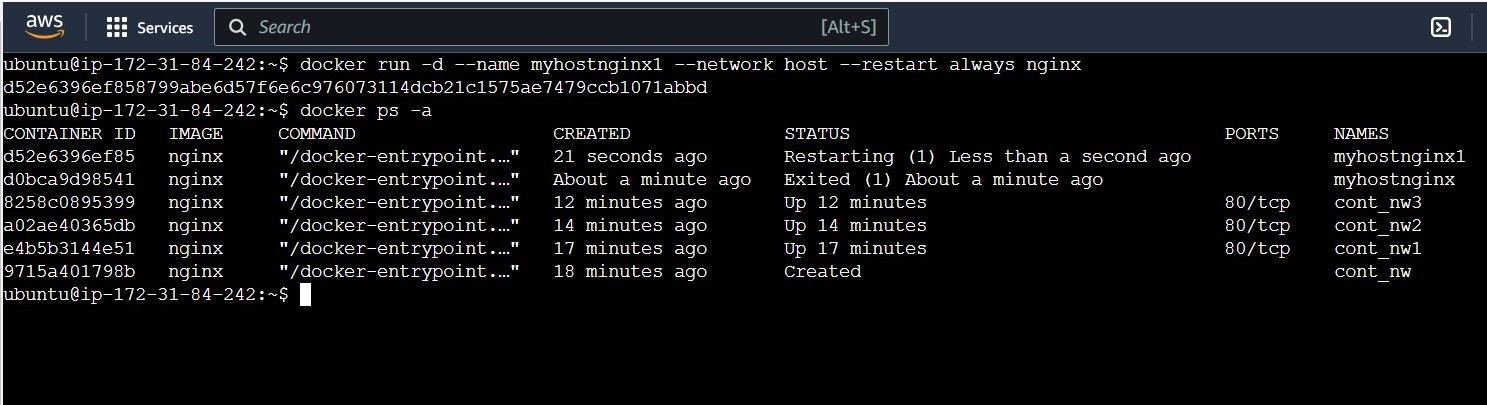
docker network create network\_name

To execute, docker run -d –name container\_name –network network\_name image\_name







To create custom host network, docker run -d –name network\_name –network host –restart always image\_name

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