DOCKER NETWORKS

Types of Docker Networks

There are four types of docker networks

1. Bridge Network
2. Host Network
3. None Network
4. Overlay Network

Bridge Network:

In Bridge Network containers are communicate with each other in the same host and the default network is bridge network

Host Network:

In Host Network the host IP and container IP is same

None Network:

None Network is not exposing the container because it can’t provide the IP for the container

Overlay Network:

Overlay Network is used to create communication between one server container to another server container

Steps to create Bridge Network

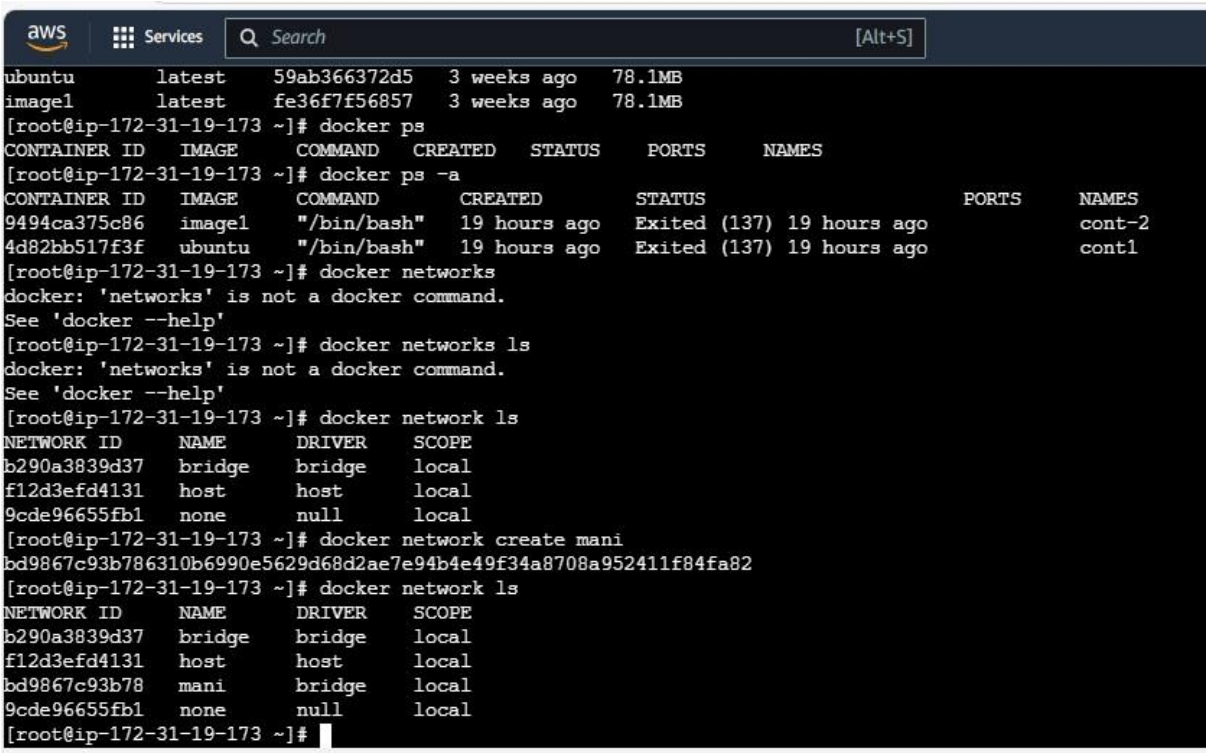
1. First create one network in terminal by using command

docker network create network name	It is used to create the network

2. To list the Networks there is command

docker network ls	To list the networks

As shown in below figure



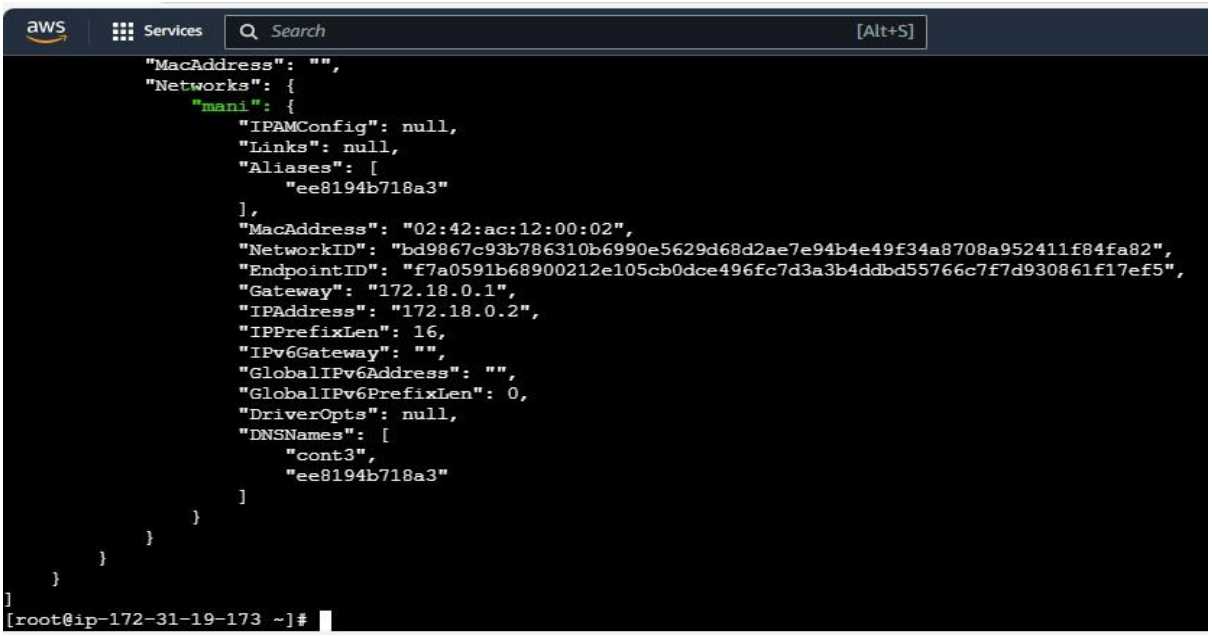
3. Create the network for the container by the command is

docker run -it --name new cont name --network network name image name

4. After creating the container with created network just inspect that container to see the information by the command

Docker inspect container name	To see the information of the container

As shown in below figure



5. Switch to the container by using command

docker attach cont name	To switch into the container
apt update -y	To update in container
apt install iputils-ping	To install ping package in cont

6. Check the running containers

docker ps	To check the running container
docker inspect cont1 ID	Copy the IP in cont1

7. Switch into container2 Type **ping paste the copied IP in cont2 –** check the connection if the connection is providing then it is working as shown in below figure