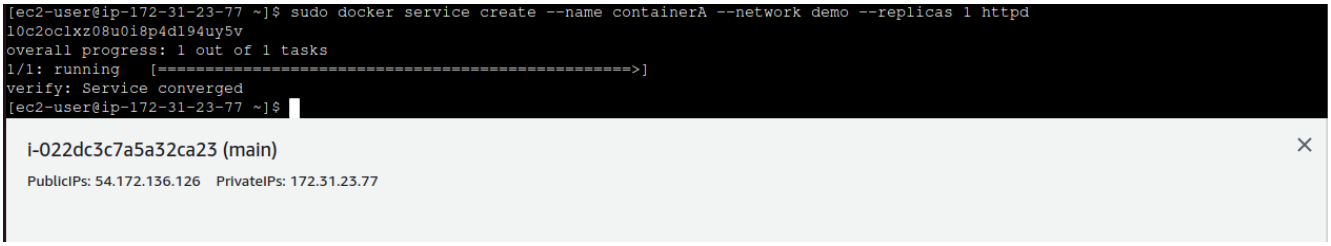
1. Use the previous assignment’s deployment
2. Deploy any 2 containers in a overlay network
3. Try pinging each of the containers from within the containers
To deploy two containers in an overlay network: create an overlay network in the Docker swarm:

sudo docker network create --driver=overlay demo
(network name is demo)

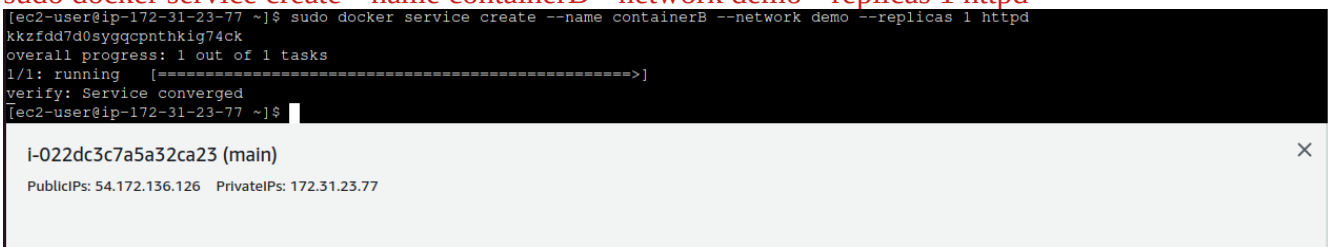
(…….Then, deploy two containers within the overlay network)

docker service create --name container1 --network my-overlay-network <image1>
docker service create --name container2 --network my-overlay-network <image2>

sudo docker service create --name containerA --network demo --replicas 1 httpd



sudo docker service create --name containerB --network demo --replicas 1 httpd

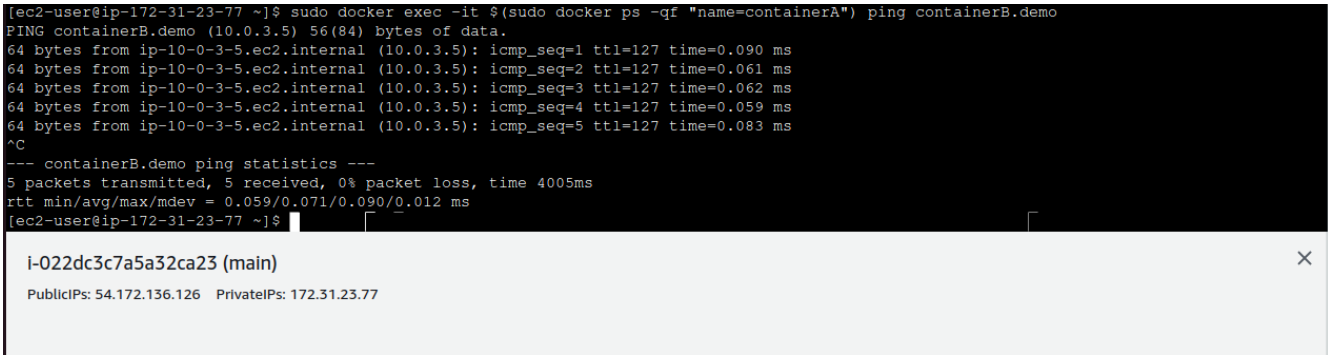


Try pinging each of the containers from within the containers:

sudo docker exec -it $(sudo docker ps -qf "name=containerA") /bin/bash

apt-get update
apt-get install -y iputils-ping

sudo docker exec -it $(sudo docker ps -qf "name=containerA") ping containerB.demo

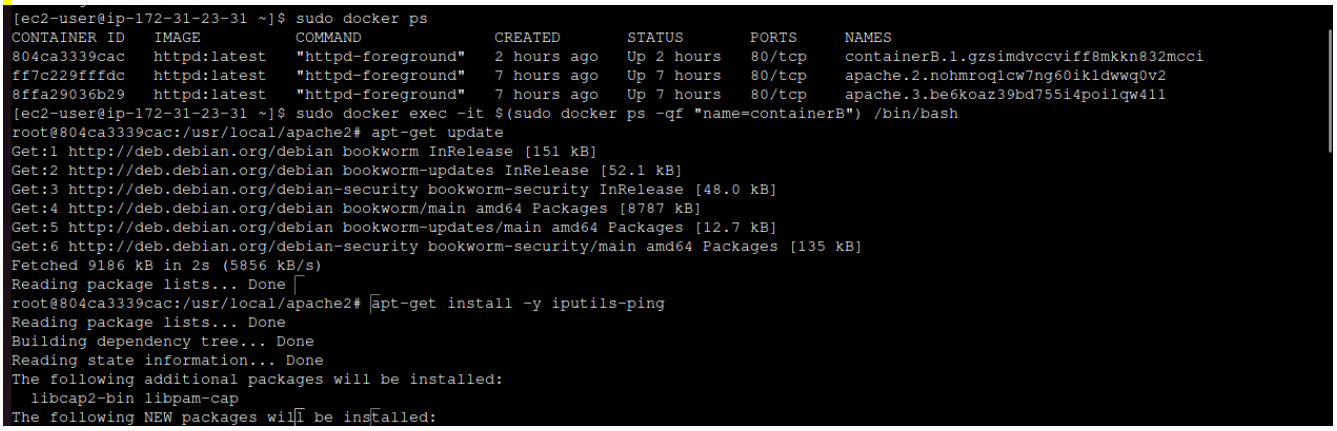


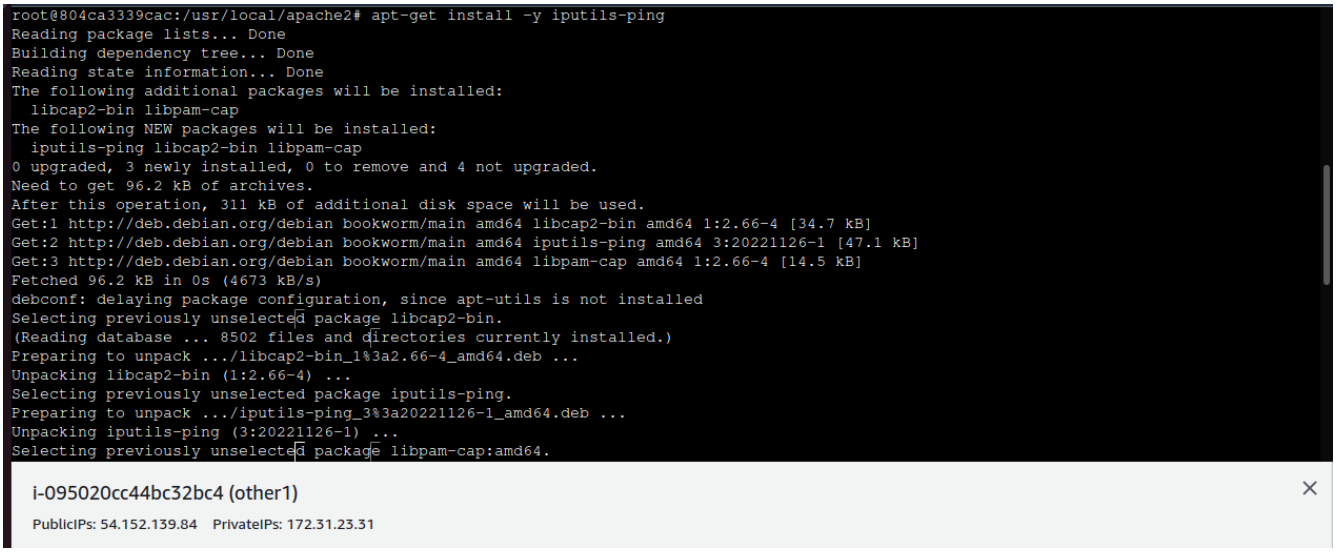
CONTAINER B is in one of the slave : sudo docker ps

We go inside the containerB, so as to install ping

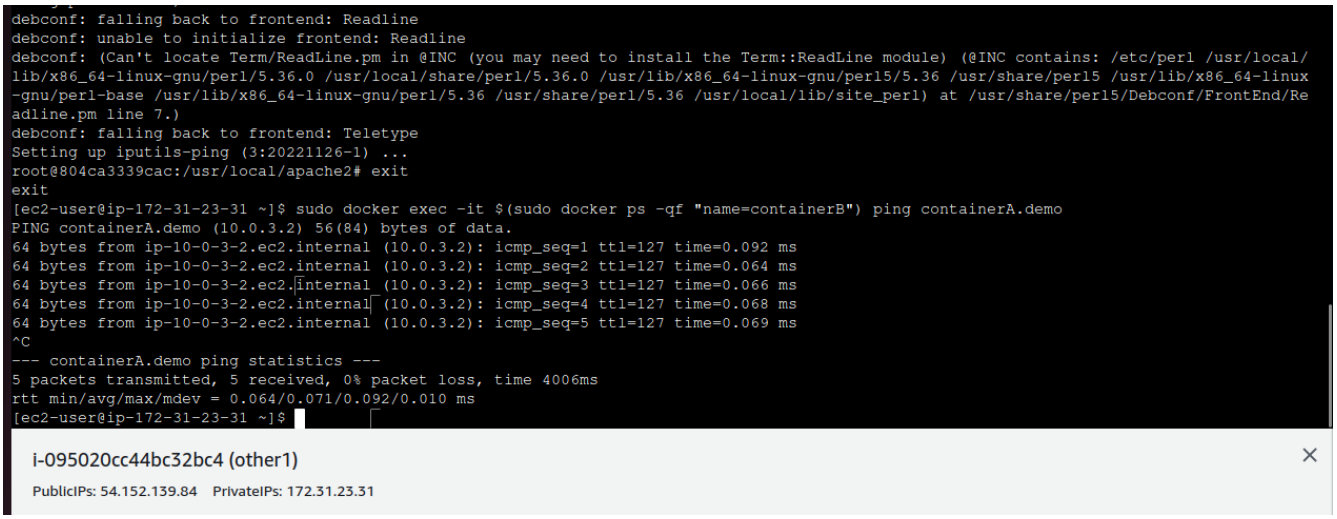
sudo docker exec -it $(sudo docker ps -qf "name=containerB") /bin/bash

apt-get update
apt-get install -y iputils-ping





sudo docker exec -it $(sudo docker ps -qf "name=containerB") ping containerA.demo



AND CONTAINER B IN SLAVE SERVER CAN PING CONTAINER A IN MASTER SERVER