

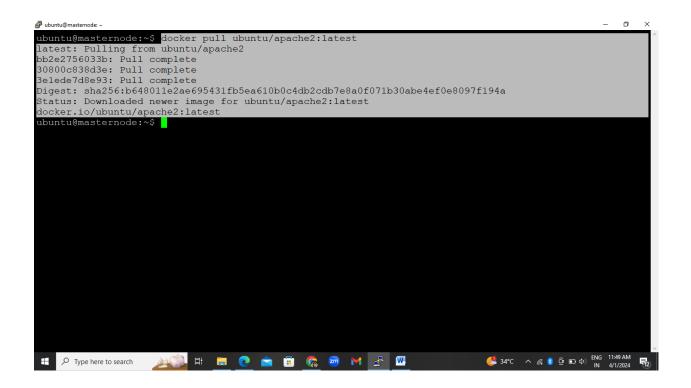
CASE STUDY - CONTAINERIZATION USING DOCKER II

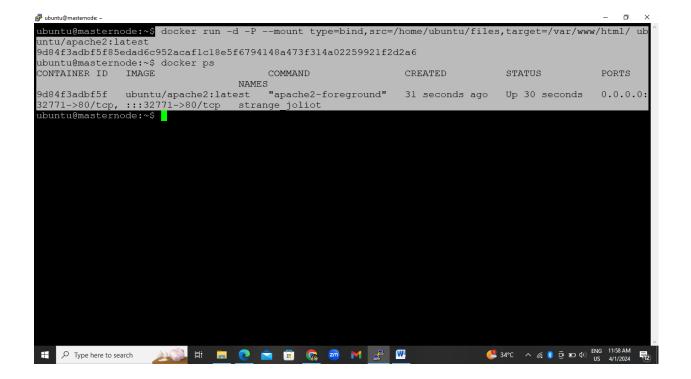
Problem Statements:

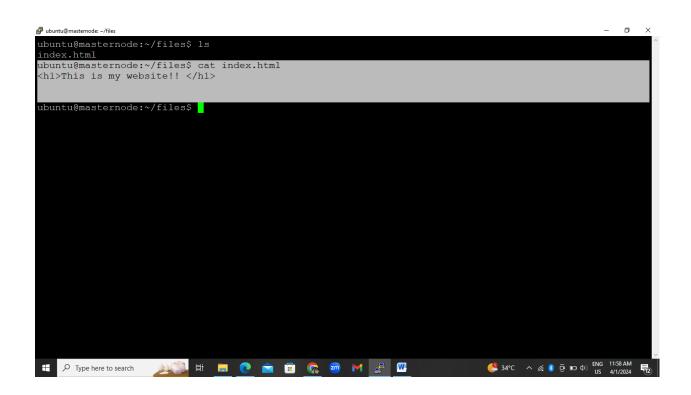
You have been hired as a Devops Engineer in GrapeVine Pvt. Ltd. You have been asked to improve the way the company is managing their Docker containers.

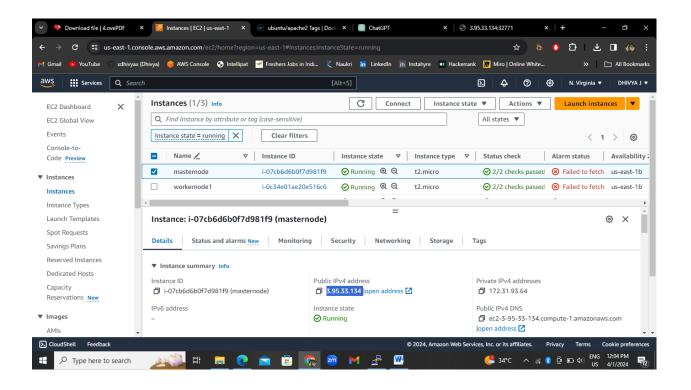
Following tasks have been assigned:

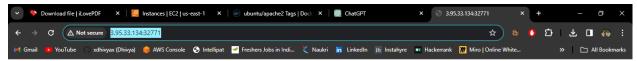
- 1. Deploy a sample HTML website in any apache container, and demonstrate how we can dynamically change content in the container by making changes on the host machine (Bind Mounts)
- 2. Deploy apache and nginx containers using Docker Compose, Apache should be exposed on Port 91 and nginx on port 92
- 3. Initialize a Docker Swarm Cluster, and deploy two ubuntu containers in a overlaynetwork. Demonstrate they can communicate with each other, by pinging them





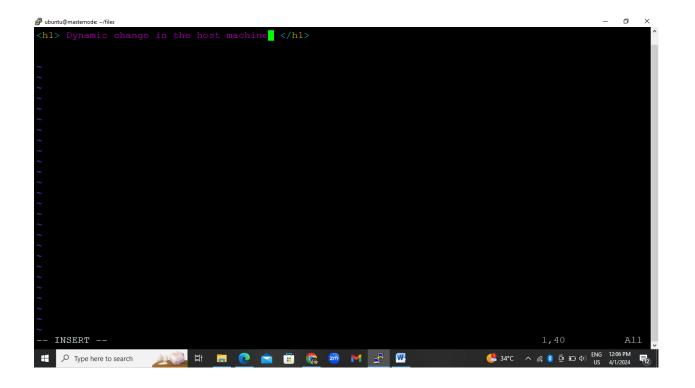


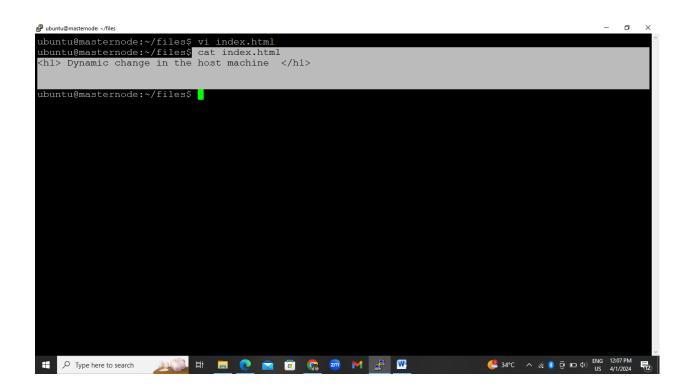




This is my website!!



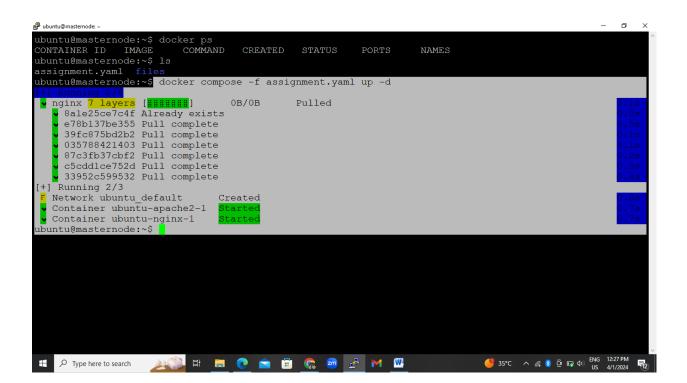


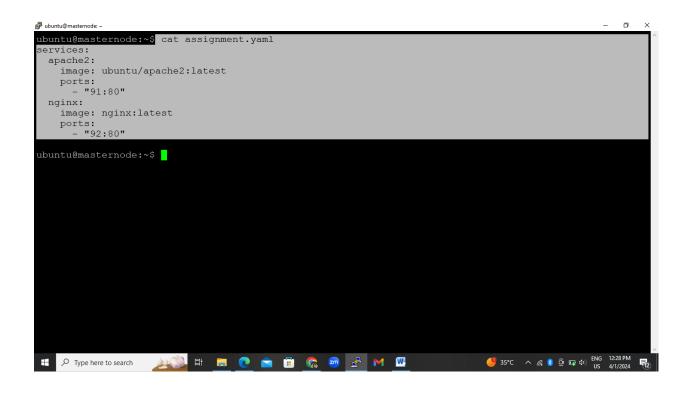


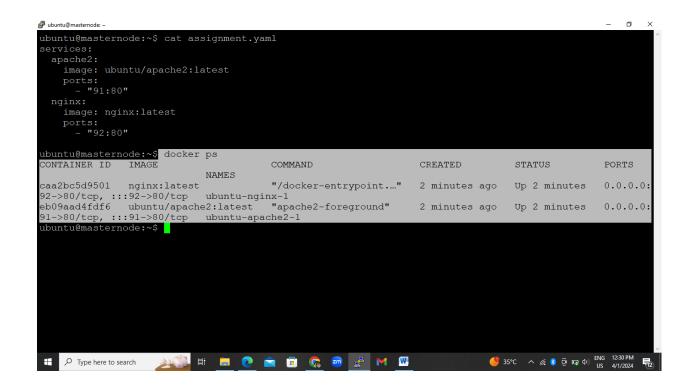


Dynamic change in the host machine

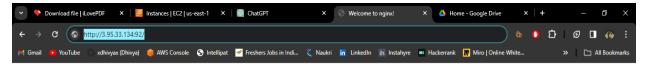












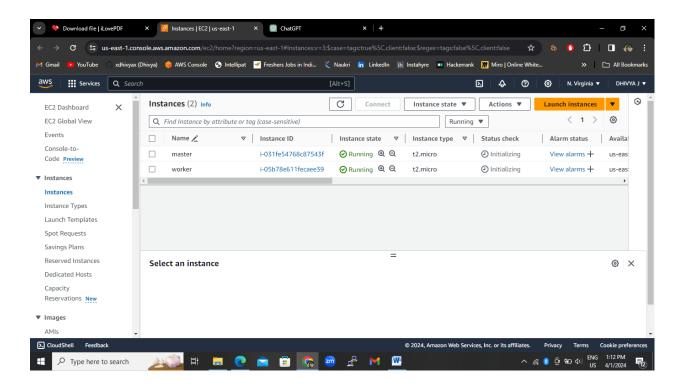
Welcome to nginx!

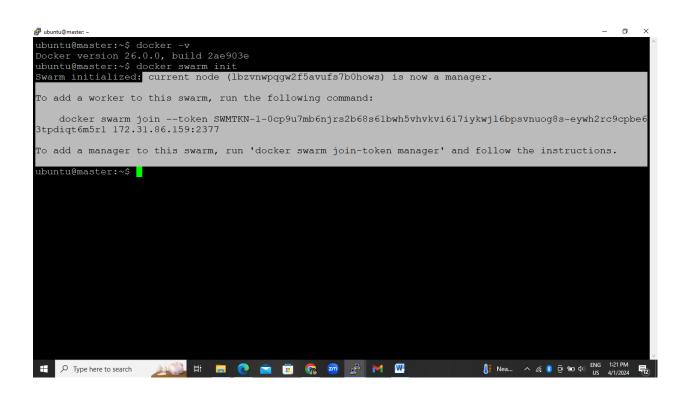
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

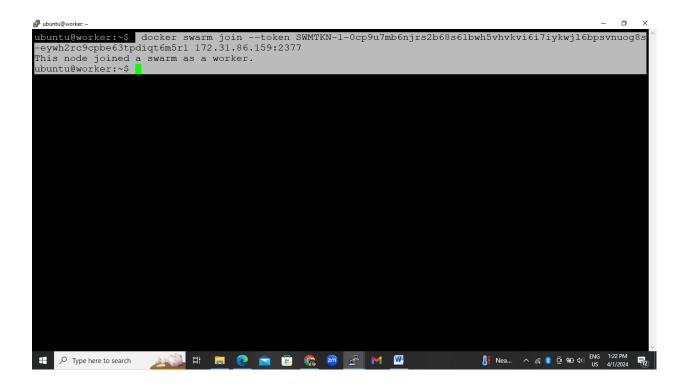
For online documentation and support please refer to $\underline{nginx.org}$. Commercial support is available at $\underline{nginx.com}$.

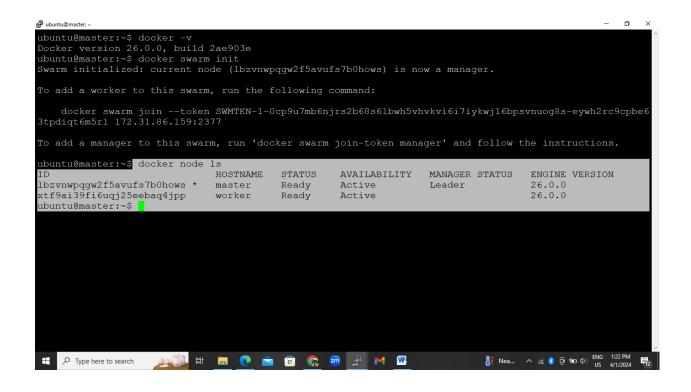
Thank you for using nginx.











downtu@master: ~\$ docker stack deploy -c assignment.yaml mystack
Since --detach=false was not specified, tasks will be created in the background.

In a future release, --detach=false will become the default.

Creating service mystack ubuntu ubuntu@master: ~\$ docker service ls

ID NAME MODE REPLICAS IMAGE PORTS

ydizrfc8dtcg mystack_ubuntu replicated 2/2 ubuntu:latest

ubuntu@master: ~\$

MODE REPLICAS UBUNTU:latest

Authorized Ports

Authorize

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