

## Module-4: Docker - II: Assignment - 3

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You have been asked to:

- Create 5 custom container, with 5 different default pages
  - Using docker compose, deploy these 5 containers on port 81, 82, 83, 84 and 85 respectively
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```
ubuntu@ip-172-31-27-248: ~  
services:  
  nginx1:  
    image: nginx:latest  
    ports:  
      - "81:80"  
    volumes:  
      - ./files/app1:/usr/share/nginx/html  
  
  nginx2:  
    image: nginx:latest  
    ports:  
      - "82:80"  
    volumes:  
      - ./files/app2:/usr/share/nginx/html  
  
  nginx3:  
    image: nginx:latest  
    ports:  
      - "83:80"  
    volumes:  
      - ./files/app3:/usr/share/nginx/html  
  
  nginx4:  
    image: nginx:latest  
    ports:  
      - "84:80"  
    volumes:  
      - ./files/app4:/usr/share/nginx/html
```

1, 9 Top

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```
ubuntu@ip-172-31-27-248: ~  
  
nginx2:  
  image: nginx:latest  
  ports:  
    - "82:80"  
  volumes:  
    - ./files/app2:/usr/share/nginx/html  
  
nginx3:  
  image: nginx:latest  
  ports:  
    - "83:80"  
  volumes:  
    - ./files/app3:/usr/share/nginx/html  
  
nginx4:  
  image: nginx:latest  
  ports:  
    - "84:80"  
  volumes:  
    - ./files/app4:/usr/share/nginx/html  
  
nginx5:  
  image: nginx:latest  
  ports:  
    - "85:80"  
  volumes:  
    - ./files/app5:/usr/share/nginx/html  
  
36,0-1 Bot
```

```
ubuntu@ip-172-31-27-248: ~  
ubuntu@ip-172-31-27-248:~$ docker compose --file docker compose.yaml up -d  
[+] Running 5/5  
  ✓ Container ubuntu-nginx2-1 Started 0.7s  
  ✓ Container ubuntu-nginx3-1 Started 1.2s  
  ✓ Container ubuntu-nginx4-1 Started 1.5s  
  ✓ Container ubuntu-nginx5-1 Started 1.3s  
  ✓ Container ubuntu-nginx1-1 Started 1.1s  
ubuntu@ip-172-31-27-248:~$ docker ps  
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS  
6dc44c0c7a38   nginx:latest  "/docker-entrypoint..." 2 minutes ago Up 2 minutes  0.0.0.0:85->80/tcp  
p, :::85->80/tcp  ubuntu-nginx5-1  
76fdd08eb1e1   nginx:latest  "/docker-entrypoint..." 2 minutes ago Up 2 minutes  0.0.0.0:84->80/tcp  
p, :::84->80/tcp  ubuntu-nginx4-1  
ad3334ff0eb3   nginx:latest  "/docker-entrypoint..." 2 minutes ago Up 2 minutes  0.0.0.0:83->80/tcp  
p, :::83->80/tcp  ubuntu-nginx3-1  
e282ed5d20a3   nginx:latest  "/docker-entrypoint..." 2 minutes ago Up 2 minutes  0.0.0.0:82->80/tcp  
p, :::82->80/tcp  ubuntu-nginx2-1  
ee699bbd1e9e   nginx:latest  "/docker-entrypoint..." 2 minutes ago Up 2 minutes  0.0.0.0:81->80/tcp  
p, :::81->80/tcp  ubuntu-nginx1-1  
ubuntu@ip-172-31-27-248:~$ cd files  
ubuntu@ip-172-31-27-248:~/files$ ls  
app1 app2 app3 app4 app5  
ubuntu@ip-172-31-27-248:~/files$ cd app1  
ubuntu@ip-172-31-27-248:~/files/app1$ ls  
index.html  
ubuntu@ip-172-31-27-248:~/files/app1$ cat index.html  
<h1> Hello from container1</h1>  
  
ubuntu@ip-172-31-27-248:~/files/app1$ cd ..
```

```
ubuntu@ip-172-31-27-248: ~/files
ubuntu@ip-172-31-27-248:~$ ls
DockerFile  docker_compose.yaml  files  sample.html
ubuntu@ip-172-31-27-248:~$ cd files
ubuntu@ip-172-31-27-248:~/files$ ls -l
total 20
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 27 10:46 app1
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 27 10:47 app2
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 27 11:01 app3
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 27 11:01 app4
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 27 10:58 app5
ubuntu@ip-172-31-27-248:~/files$
```

Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instances:v=3;\$case=tag:true%5Cclient:false;\$regex=tags:false%5Cclient:false

Instances (1/1) Info

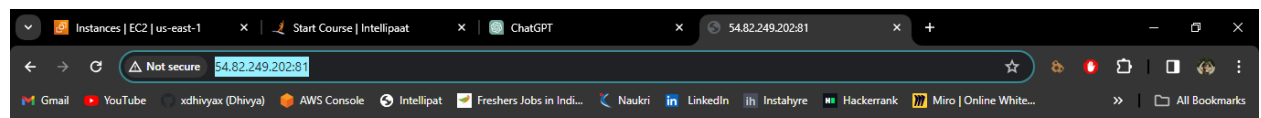
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
docker_assignment	i-05eeb7ab4fa97ad55	Running	t2.micro	2/2 checks passed	View alarms	us-east-1

Instance: i-05eeb7ab4fa97ad55 (docker\_assignment)

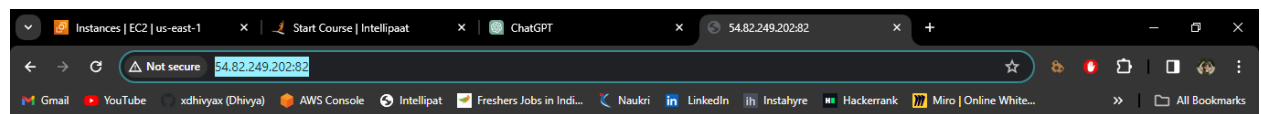
Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary

Instance ID	i-05eeb7ab4fa97ad55 (docker_assignment)	Public IPv4 address	54.82.249.202	Private IPv4 addresses	172.31.27.248
IPv6 address	-	Instance state	Running	Public IPv4 DNS	ec2-54-82-249-202.compute-1.amazonaws.com

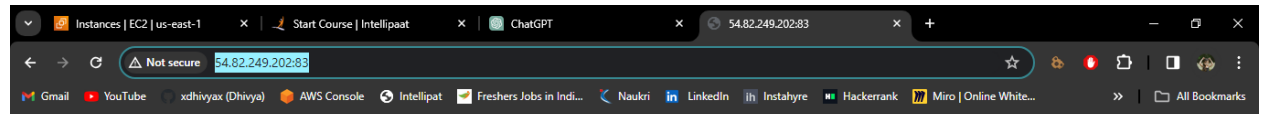


**Hello from container1**

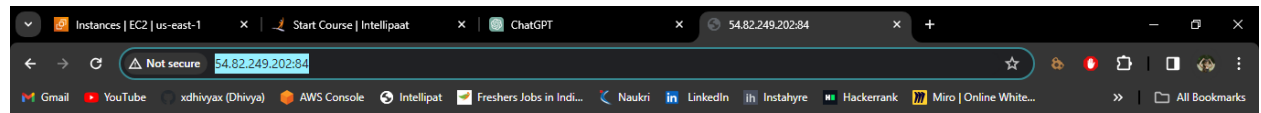


**Hello from container 2**



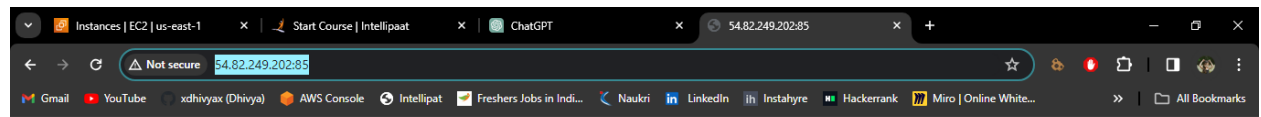


**Hello from container 3**



**Hello from container 4**





**Hello from container 5**

