

Assignment - 4

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Tasks:

1. Create a Dockerfile with the following specs:

- Ubuntu container
- Apache2 installed
- Apache2 should automatically run once the container starts

2. Submit the Dockerfile for assignment completion

Solution:

Steps:

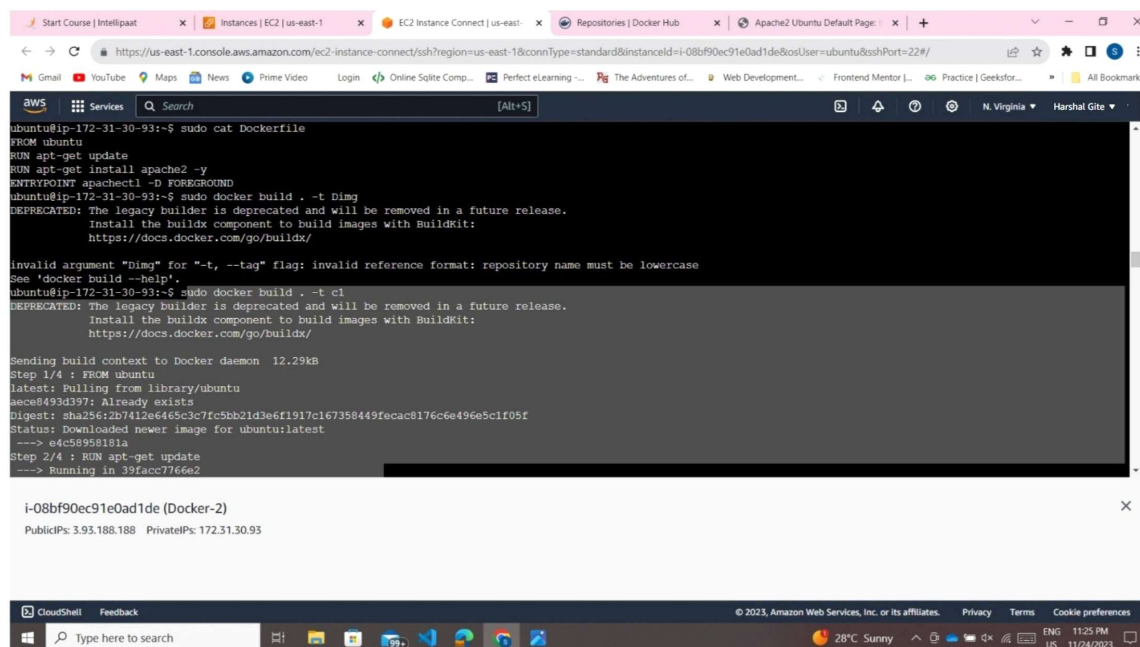
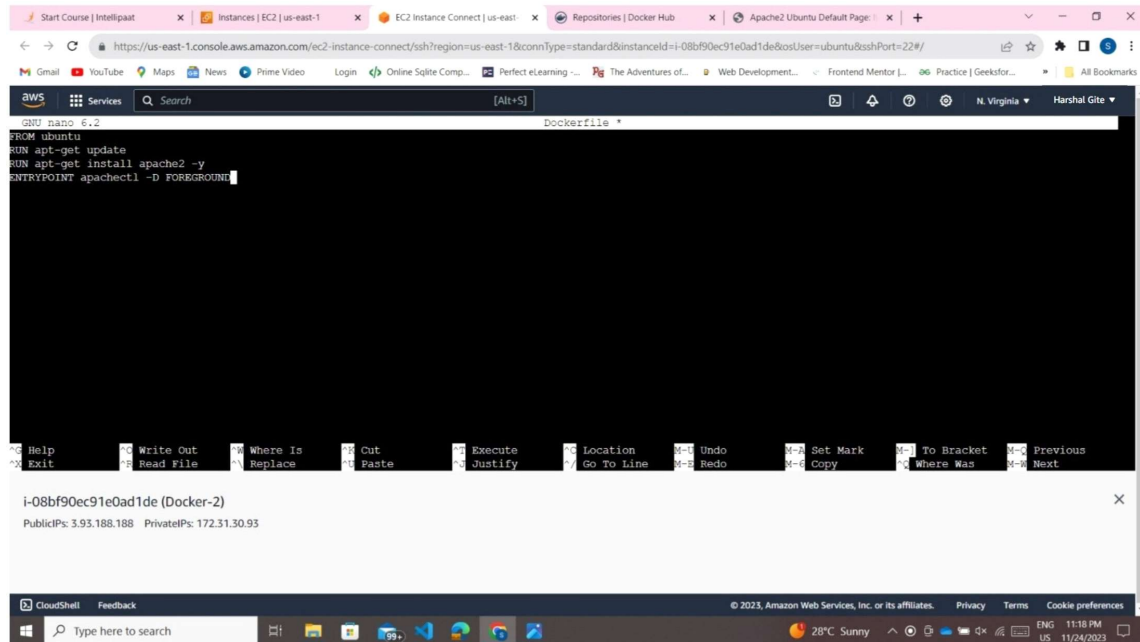
The screenshot shows a terminal window within the AWS Management Console, connected to an EC2 instance. The terminal output shows the following steps:

```
Status: Downloaded newer image for jadhavsakshi/appl:latest
docker.io/jadhavsakshi/appl:latest
ubuntu@ip-172-31-30-93:~$ sudo docker images
REPOSITORY          TAG             IMAGE ID        CREATED        SIZE
jadhavsakshi/appl   latest         876591dc0c39   2 hours ago   232MB
ubuntu@ip-172-31-30-93:~$ sudo docker run -it -p 80:80 jadhavsakshi/appl:latest
8ec37c0397f8434b4a5f647006f005033fa483dff13a17a72330acbeb9b087b3
ubuntu@ip-172-31-30-93:~$ sudo docker ps -a
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS        PORTS                               NAMES
8ec37c0397f8   jadhavsakshi/appl:latest  "/bin/bash"             12 seconds ago Up 11 seconds  0.0.0.0:80->80/tcp, :::80->80/tcp  xenodochial_montalcini
ubuntu@ip-172-31-30-93:~$ sudo docker images
REPOSITORY          TAG             IMAGE ID        CREATED        SIZE
jadhavsakshi/appl   latest         876591dc0c39   2 hours ago   232MB
ubuntu@ip-172-31-30-93:~$ sudo docker exec -it 8ec37c0397f8 bash
root@8ec37c0397f8:/# service apache2 status
 * apache2 is not running
root@8ec37c0397f8:/# service apache2 start
 * Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.2. Set the 'ServerName' directive globally to suppress this message
 *
root@8ec37c0397f8:/# service apache2 status
 * apache2 is running
root@8ec37c0397f8:/# exit
exit
ubuntu@ip-172-31-30-93:~$ sudo nano Dockerfile
```

Below the terminal, a box displays the instance details:

```
i-08bf90ec91e0ad1de (Docker-2)
PublicIPs: 3.93.188.188  PrivateIPs: 172.31.30.93
```

The bottom of the image shows the Windows taskbar with the date 11/24/2023 and time 11:16 PM.



Start Course | Intellipast | Instances | EC2 | us-east-1 | EC2 Instance Connect | us-east-1 | Repositories | Docker Hub | Apache2 Ubuntu Default Page: | +

https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-08bf90ec91e0ad1de&osUser=ubuntu&sshPort=22#/?

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N. Virginia Harshat Gite

```
done.
Removing intermediate container 15b697083764
--> 035a7911dd56
Step 4/4 : ENTRYPOINT apache2ctl -D FOREGROUND
--> Running in 9b12b9b0dbbf
Removing intermediate container 9b12b9b0dbbf
--> 9cfelbc9e607
Successfully built 9cfelbc9e607
Successfully tagged ci:latest
ubuntu@ip-172-31-30-93:~$ sudo docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ci             latest    9cfelbc9e607   4 minutes ago  232MB
jadhavsaaksi/app1  latest    876591dc0c39   2 hours ago    232MB
ubuntu        latest    e4c58958181a   7 weeks ago    77.8MB
ubuntu@ip-172-31-30-93:~$ sudo docker run -it -d 91:80 ci
Unable to find image '91:80' locally
docker: Error response from daemon: pull access denied for 91, repository does not exist or may require 'docker login': denied: requested access to the resource is denied
.
See 'docker run --help'.
ubuntu@ip-172-31-30-93:~$ sudo docker run -it -d -p 91:80 ci
53bdfdc5bcea7e2f2b1a03d46fccdd4aca9a3848368d23baa342e9147b14061a
ubuntu@ip-172-31-30-93:~$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
53bdfdc5bcea7  ci       "/bin/sh -c 'apache2c..."  9 seconds ago  Up 8 seconds  0.0.0.0:91->80/tcp, :::91->80/tcp  loving_hugle
9ec37c0397f0   jadhavsaaksi/app1:latest  "/bin/bash"          22 minutes ago  Up 22 minutes  0.0.0.0:80->80/tcp, :::80->80/tcp  xenodochial_montalcini
ubuntu@ip-172-31-30-93:~$
```

i-08bf90ec91e0ad1de (Docker-2)

PublicIPs: 3.93.188.188 PrivateIPs: 172.31.30.93

CloudShell Feedback

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28°C Sunny 11:30 PM 11/24/2023