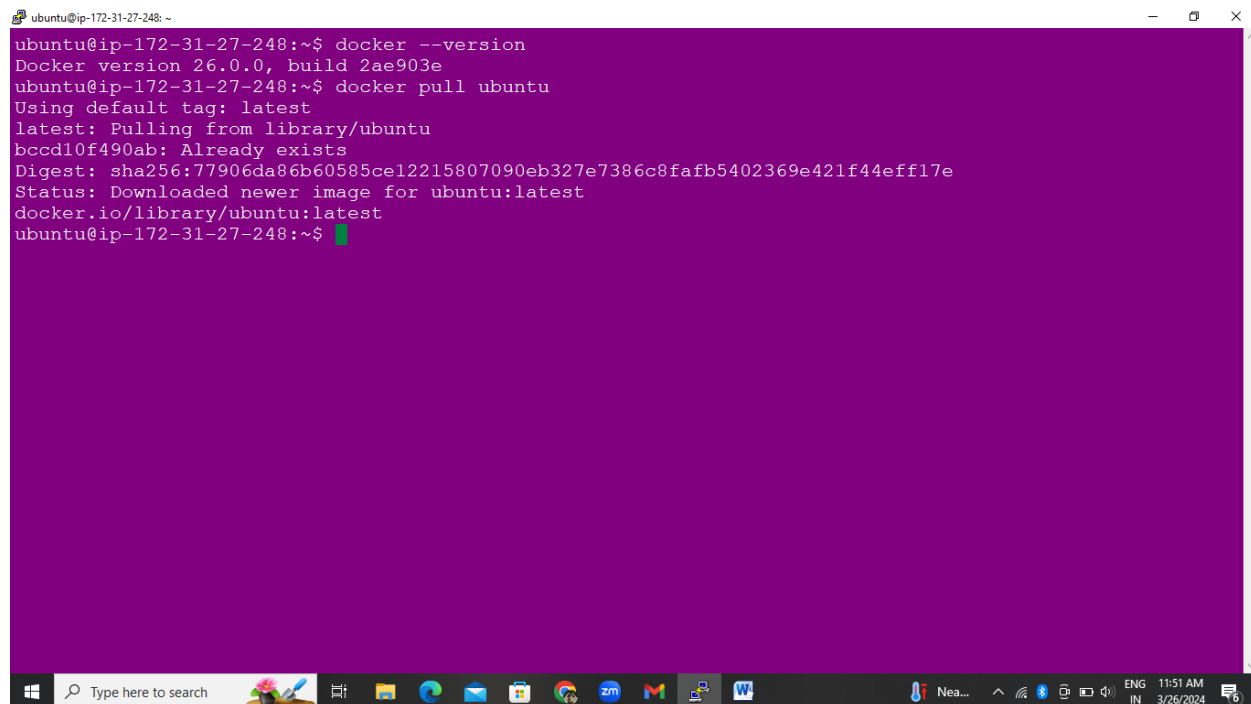


Module-3: Docker – I Assignment - 1

You have been asked to:

- Pull ubuntu container
 - Run this container, and map port 80 on the local
 - Install apache2 on this container
 - Check if you are able to access the apache page on your browser
-



```
ubuntu@ip-172-31-27-248: ~$ docker --version
Docker version 26.0.0, build 2ae903e
ubuntu@ip-172-31-27-248: ~$ docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
bccd10f490ab: Already exists
Digest: sha256:77906da86b60585ce12215807090eb327e7386c8fafb5402369e421f44eff17e
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
ubuntu@ip-172-31-27-248: ~$
```

The screenshot shows a terminal window with a black background and white text. The terminal output displays the Docker version (26.0.0, build 2ae903e) and the successful pull of the 'ubuntu:latest' image. The image ID 'bccd10f490ab' is noted as already existing. The digest is 'sha256:77906da86b60585ce12215807090eb327e7386c8fafb5402369e421f44eff17e'. The status indicates that a newer image was downloaded for 'ubuntu:latest' from 'docker.io/library/ubuntu:latest'. The terminal window is titled 'ubuntu@ip-172-31-27-248: ~'. Below the terminal window, a Windows taskbar is visible with various application icons and system tray information.

```
ubuntu@ip-172-31-27-248: ~  
ubuntu@ip-172-31-27-248:~$ docker image ls  
REPOSITORY TAG IMAGE ID CREATED SIZE  
ubuntu latest ca2b0f26964c 3 weeks ago 77.9MB  
ubuntu@ip-172-31-27-248:~$
```

```
ubuntu@ip-172-31-27-248: ~  
ubuntu@ip-172-31-27-248:~$ docker --version  
Docker version 26.0.0, build 2ae903e  
ubuntu@ip-172-31-27-248:~$ docker pull ubuntu  
Using default tag: latest  
latest: Pulling from library/ubuntu  
bccd10f490ab: Already exists  
Digest: sha256:77906da86b60585ce12215807090eb327e7386c8fafb5402369e421f44eff17e  
Status: Downloaded newer image for ubuntu:latest  
docker.io/library/ubuntu:latest  
ubuntu@ip-172-31-27-248:~$ docker run -d -it -p 80:80 ubuntu  
a5fb425267649f805d4435079e116efaef31ec3dfd736belf8b8c34f701b355d  
ubuntu@ip-172-31-27-248:~$ docker ps  
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS  
NAMES  
a5fb42526764 ubuntu "/bin/bash" 6 seconds ago Up 5 seconds 0.0.0.0:80->80/tcp, :::80->80/tcp  
sharp_carver  
ubuntu@ip-172-31-27-248:~$
```

```
root@a5fb42526764: /  
ubuntu@ip-172-31-27-248:~$ docker image ls  
REPOSITORY TAG IMAGE ID CREATED SIZE  
ubuntu latest ca2b0f26964c 3 weeks ago 77.9MB  
ubuntu@ip-172-31-27-248:~$ docker ps  
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS  
a5fb42526764 ubuntu "/bin/bash" About a minute ago Up About a minute 0.0.0.0:80->80/tcp, :::  
80->80/tcp sharp_carver  
ubuntu@ip-172-31-27-248:~$ docker exec -it a5fb42526764 /bin/bash  
root@a5fb42526764:/#
```

```
root@a5fb42526764: /  
root@a5fb42526764:/# systemctl start apache2  
root@a5fb42526764:/# systemctl status apache2  
apache2.service - The Apache HTTP Server  
Loaded: loaded (/usr/lib/systemd/system/apache2.service, enabled)  
Active: active (running)  
root@a5fb42526764:/#
```

Instances | EC2 | us-east-1

labs/docker/install at master · i... Start Course | Intellipaat Apache2 Ubuntu Default Page: +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instances:instanceId=i-05eeb7ab4fa97ad55v=3;\$case=tags:true%5Cclientf...

Search [Alt+S]

EC2 Dashboard EC2 Global View Events Console-to-Code Preview

Instances

Instances

Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations New

Images AMIs

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Instance ID: i-05eeb7ab4fa97ad55 Clear filters

Connect Instance state Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
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 New Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID: i-05eeb7ab4fa97ad55 (docker_assignment)

Public IPv4 address: 3.94.194.108 open address

Private IPv4 addresses: 172.31.27.248

Instance state: Running

Public IPv4 DNS: ec2-3-94-194-108.compute-1.amazonaws.com open address

CloudShell Feedback

© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

31°C 12:02 PM 3/26/2024

Instances | EC2 | us-east-1

labs/docker/install at master · i... Start Course | Intellipaat Apache2 Ubuntu Default Page: +

Not secure 3.94.194.108

Apache2 Default Page

Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in /usr/share/doc/apache2/README.Debian.gz**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
/  |-- ports.conf
/  |-- mods-enabled
/  |-- *.load
```

31°C 12:03 PM 3/26/2024