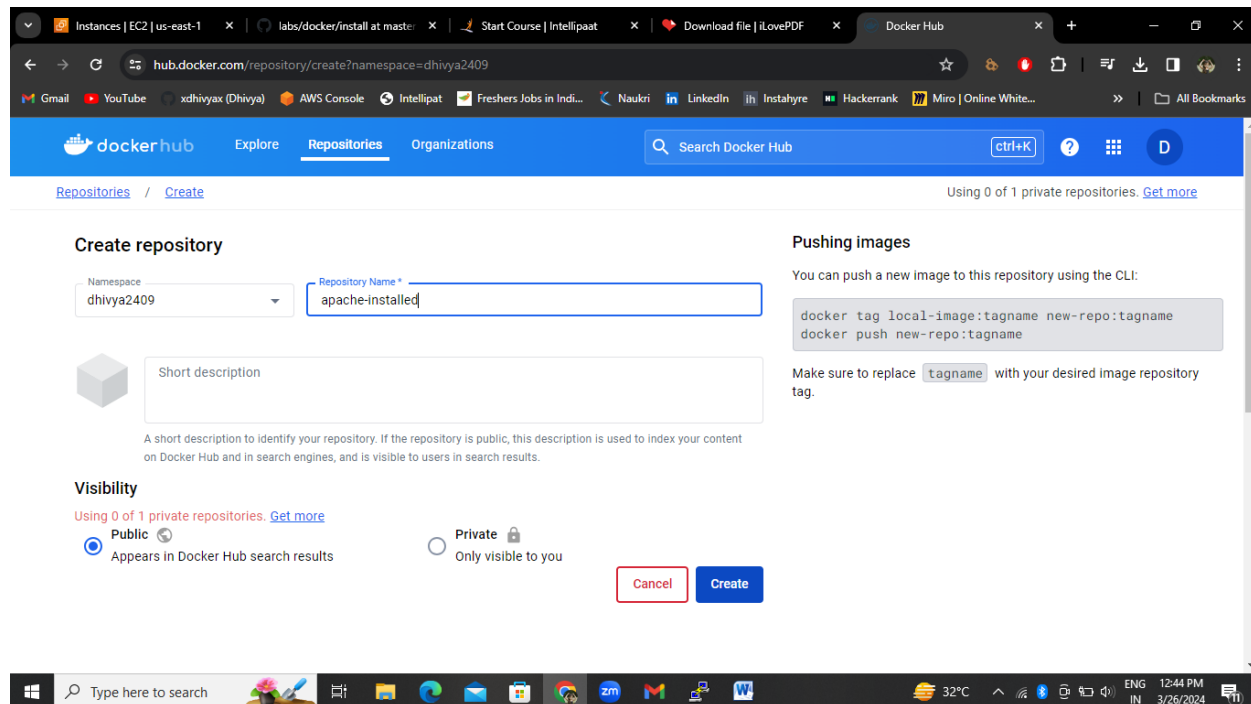


Module-3: Docker – I Assignment - 3

You have been asked to:

- Use the saved image in the previous assignment
- Upload this image on Dockerhub
- On a separate machine pull this dockerhub image, and launch it on port 80
- Start the apache2 service
- Verify if you are able to see the apache2 service



hub.docker.com/repository/create?namespace=dhivya2409

Repositories / Create

Using 0 of 1 private repositories. [Get more](#)

Create repository

Namespace: dhivya2409


Repository Name *: apache-installed


Short description

A short description to identify your repository. If the repository is public, this description is used to index your content on Docker Hub and in search engines, and is visible to users in search results.

Visibility

Using 0 of 1 private repositories. [Get more](#)

☒ Public  Appears in Docker Hub search results

☐ Private  Only visible to you

[Cancel](#) [Create](#)

Pushing images

You can push a new image to this repository using the CLI:

```
docker tag local-image:tagname new-repo:tagname
docker push new-repo:tagname
```

Make sure to replace tagname with your desired image repository tag.

```
ubuntu@ip-172-31-27-248: ~  
ubuntu@ip-172-31-27-248:~$ docker login  
Authenticating with existing credentials...  
WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/config.json.  
Configure a credential helper to remove this warning. See  
https://docs.docker.com/engine/reference/commandline/login/#credentials-store  
  
Login Succeeded  
ubuntu@ip-172-31-27-248:~$
```

```
ubuntu@ip-172-31-27-248: ~  
ubuntu@ip-172-31-27-248:~$ docker tag ubuntu apache_running:v1 dhivya2409/apache-installed  
ubuntu@ip-172-31-27-248:~$
```

```
ubuntu@ip-172-31-27-248: ~$ docker tag ubuntu_apache_running:v1 dhivya2409/apache-installed
ubuntu@ip-172-31-27-248:~$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
dhivya2409/apache-installed	latest	dd5106766bc9	46 minutes ago	263MB
ubuntu_apache_running	v1	dd5106766bc9	46 minutes ago	263MB
ubuntu	latest	ca2b0f26964c	3 weeks ago	77.9MB

```
ubuntu@ip-172-31-27-248:~$
```

```
ubuntu@ip-172-31-27-248:~$ docker tag ubuntu_apache_running:v1 dhivya2409/apache-installed
ubuntu@ip-172-31-27-248:~$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
dhivya2409/apache-installed	latest	dd5106766bc9	46 minutes ago	263MB
ubuntu_apache_running	v1	dd5106766bc9	46 minutes ago	263MB
ubuntu	latest	ca2b0f26964c	3 weeks ago	77.9MB

```
ubuntu@ip-172-31-27-248:~$ docker push dhivya2409/apache-installed:latest
The push refers to repository [docker.io/dhivya2409/apache-installed]
84287679af68: Pushed
5498e8c22f69: Pushed
latest: digest: sha256:2db79a3a932a0596617a1f5878bb560e13334e8d4b671aac12f263dc7dfd2479 size: 741
ubuntu@ip-172-31-27-248:~$
```

Instances | EC2 | us-e... | labs/docker/install at... | Start Course | Intellip... | Download file | iLove... | dhivya2409/apache-... | how the image is pu... | +

hub.docker.com/repository/docker/dhivya2409/apache-installed/tags?page=1&ordering=last_updated

Gmail YouTube xdhivya (Dhivya) AWS Console Intellipat Freshers Jobs in Indi... Naukri LinkedIn InstaHyre Hackerrank Miro | Online White... All Bookmarks

dockerhub Explore Repositories Organizations Search Docker Hub ctrl+K ? D

dhivya2409 / Repositories / apache-installed / Tags Using 0 of 1 private repositories. [Get more](#)

General Tags Builds Collaborators Webhooks Settings

Sort by Newest Filter Tags Delete

TAG latest
Last pushed a minute ago by [dhivya2409](#)

docker pull dhivya2409/apache-installed:latest Copy

Digest	OS/ARCH	Last pull	Compressed Size
2db79a3a932a	linux/amd64	---	103.21 MB

```
ubuntu@test: ~  
ubuntu@test:~$ sudo docker pull dhivya2409/apache-installed  
Using default tag: latest  
latest: Pulling from dhivya2409/apache-installed  
23828d760c7b: Pull complete  
259d06bd1ffa: Pull complete  
Digest: sha256:2db79a3a932a0596617a1f5878bb560e13334e8d4b671aac12f263dc7dfd2479  
Status: Downloaded newer image for dhivya2409/apache-installed:latest  
docker.io/dhivya2409/apache-installed:latest  
ubuntu@test:~$
```

```
ubuntu@test: ~  
ubuntu@test:~$ sudo docker pull dhivya2409/apache-installed  
Using default tag: latest  
latest: Pulling from dhivya2409/apache-installed  
23828d760c7b: Pull complete  
259d06bd1ffa: Pull complete  
Digest: sha256:2db79a3a932a0596617a1f5878bb560e13334e8d4b671aac12f263dc7dfd2479  
Status: Downloaded newer image for dhivya2409/apache-installed:latest  
docker.io/dhivya2409/apache-installed:latest  
ubuntu@test:~$ sudo docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
dhivya2409/apache-installed	latest	dd5106766bc9	55 minutes ago	263MB

```
ubuntu@test:~$
```

```
ubuntu@test: ~  
ubuntu@test:~$ sudo docker run -d -it -p 80:80 ^C  
ubuntu@test:~$ sudo docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
dhivya2409/apache-installed	latest	dd5106766bc9	57 minutes ago	263MB

```
ubuntu@test:~$ sudo docker run -d -it -p 80:80 dhivya2409/apache-installed  
033fld90e4705feece6254df86e0150df2cde8c31c5e115b5a33a308f9bb1f60  
ubuntu@test:~$ sudo docker container ps
```

CONTAINER ID	IMAGE	NAMES	COMMAND	CREATED	STATUS	PORTS
033fld90e470	dhivya2409/apache-installed		"/bin/bash"	19 seconds ago	Up 17 seconds	0.0.0.0:80->80/tcp, :::80->80/tcp

```
trusting_galois  
ubuntu@test:~$
```

```
root@033f1d90e470: /
ubuntu@test:~$ sudo docker run -d -it -p 80:80 ^C
ubuntu@test:~$ sudo docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
dhivya2409/apache-installed   latest             dd5106766bc9       57 minutes ago     263MB
ubuntu@test:~$ sudo docker run -d -it -p 80:80 dhivya2409/apache-installed
033f1d90e4705feece6254df86e0150df2cde8c31c5e115b5a33a308f9bb1f60
ubuntu@test:~$ sudo docker container ps
CONTAINER ID        IMAGE               NAMES
033f1d90e470       dhivya2409/apache-installed   "/bin/bash"
>80/tcp, :::80->80/tcp    trusting galois
ubuntu@test:~$ sudo docker exec -it 033f1d90e470 /bin/bash
root@033f1d90e470:/#
```

```
root@033f1d90e470:/# systemctl status apache2
apache2.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/apache2.service, enabled)
  Active: inactive (dead)
root@033f1d90e470:/# systemctl start apache2
root@033f1d90e470:/# systemctl status apache2
apache2.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/apache2.service, enabled)
  Active: active (running)
root@033f1d90e470:/#
```

Instances | EC2 | us-east-1 | labs/docker/install at | Start Course | Intellipat | Download file | iLove | dhivya2409/apache | how the image is pub |

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

Services Search [Alt+S]

EC2 Dashboard X

EC2 Global View

Events

Console-to-Code Preview

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

Successfully started i-0941ab1a2f3f65295

Instances (1/6) Info

Find Instance by attribute or tag (case-sensitive)

All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm s
test	i-0941ab1a2f3f65295	Running	t2.micro	Initializing	View al
mastervm	i-07de75f7436c488...	Running	t2.micro	2/2 checks passed	View al
docker_assignment	i-05eab7ab4fa97ad55	Running	t2.micro	2/2 checks passed	View al

Instance: i-0941ab1a2f3f65295 (test)

Details Status and alarms New Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID

i-0941ab1a2f3f65295 (test)

Public IPv4 address

3.81.51.176 open address

Private IPv4 addresses

172.31.39.78

IPv6 address

Instance state

Public IPv4 DNS

Feedback

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Instances | EC2 | ModifyInbound | labs/docker/inst | Start Course | Int | Download file | dhivya2409/apo | Apache2 Ubuntu |

Not secure 3.81.51.176

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
```

34°C

ENG 1:13 PM 3/26/2024