

Unit-2

Task-02

Update the ubuntu container, install Apache and php, then push updated on to docker hub.

Compare the size base image and updated image after commit.

```
Terminal

PS C:\Users\satya> docker pull ubuntu:latest
latest: Pulling from library/ubuntu
Digest: sha256:d1e2e92c075e5ca139d51a140fff46f84315c0fdce203eab2807c7e495eff4f9
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
PS C:\Users\satya> docker images
```

| IMAGE | ID | DISK USAGE | CONTENT SIZE | EXTRA |
|---------------|--------------|------------|--------------|-------|
| ubuntu:latest | d1e2e92c075e | 119MB | 31.7MB | |

```
PS C:\Users\satya> docker run -it --name myubuntu ubuntu:latest
root@72fe3752ac4:/# apt update
```

```
1. Africa    3. Antarctica  5. Asia      7. Australia  9. Indian    11. Etc
2. America  4. Arctic     6. Atlantic  8. Europe     10. Pacific  12. Legacy
Geographic area: Indian

Please select the city or region corresponding to your time zone.

1. Antananarivo  3. Christmas  5. Comoro    7. Mahe      9. Mauritius  11. Reunion
2. Chagos        4. Cocos      6. Kerguelen 8. Maldives  10. Mayotte
Time zone: Maldives
```

```
Info → To login with a different account, run 'docker logout' followed by 'docker login'

Login Succeeded
PS C:\Users\satya> docker push satyapro26/ubuntu-apache-php:v1
The push refers to repository [docker.io/satyapro26/ubuntu-apache-php]
c33efdd910cb: Pushed
01d7766a2e4a: Layer already exists
v1: digest: sha256:4f23a3a7198b6da180e6b1f3ac101525b942abc00366ca15568e25fa3c223fde size: 751
PS C:\Users\satya>

PS C:\Users\satya> docker commit myubuntu satyapro26/ubuntu-apache-php:v1
sha256:4f23a3a7198b6da180e6b1f3ac101525b942abc00366ca15568e25fa3c223fde
PS C:\Users\satya> docker images
```

| IMAGE | ID | DISK USAGE | CONTENT SIZE | EXTRA | In Use |
|--|--------------|------------|--------------|-------|--------|
| satyapro26/ubuntu-apache-php:v1 | 4f23a3a7198b | 404MB | 113MB | | |
| ubuntu:latest | d1e2e92c075e | 119MB | 31.7MB | U | |
| yourdockerhubusername/ubuntu-apache-php:v1 | 16f15340add3 | 404MB | 113MB | | |

```
PS C:\Users\satya> docker login
Authenticating with existing credentials... [Username: satyapro26]
```

Step1: Run ubuntu container with given image name and tag

Step2: Authenticate

Step3: Get inside the container

Step4: Update and install the PHP and Apache image in the container

Step5: exit

Step6: commit

Step7: compare base image and updated image

Step8: Push the image to docker hub