

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

OS DOCKERS 10 Mark COMPONENT

SUBMITTED BY

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As part of the Course Operating System-CS51

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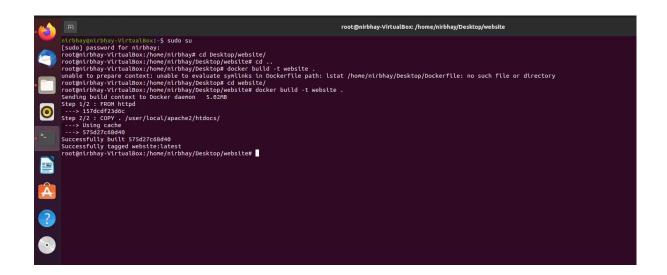
Steps

- > Create a Dockerfile and save it in the "website" folder of Desktop
- > Commands for Dockerfile are as follows:
 - 1. FROM httpd
 - 2. COPY ./usr/local/apache2/htdocs/
- > Commands in terminal of ubuntu:
 - 1. sudo su
 - 2. su root
 - 3. cd Desktop
 - 4. cd website
 - 5. snap install docker
 - 6. docker build -t website
- > Execution results of above steps:
 - 1. Copying files from httpd/library (download+extraction)
 - 2. From htdocs
- ➤ docker images
- ➤ docker run -itd -p 81:81 –name website website
- ➤ docker ps
- ➤ Go to firefox then to the docker site. Then go to repositories and again back to terminal
- ➤ docker login
 - 1. Username:
 - 2. Password:
- docker tag website username/website:latest
- ➤ docker images
- ➤ docker login
- docker push username/website:latest
- ➤ Go to firefox and reload the page. Go to the repository and check your added repository. Click on your repository.



- > We can see that our container is created
- ➤ If we click on public view, we can see there written our respective "username/foler name"
- > For Docker pull commands:
 - 1. Open the terminal
 - 2. cd
 - 3. sudo su
 - 4. su root
 - 5. docker pull username/folder_name
 - 6. docker images
 - 7. docker ps
 - 8. docker run -d -p 8181:81 username/folder_name
 - 9. docker ps
- ➤ Go to the firefox browser and type localhost:8181
- > Our project is displayed in the form of a website

Building the docker file





Pushing the docker file

```
Login Succeeded
root@nirbhay-VirtualBox:/home/nirbhay/Desktop/website# docker push 1ms20cs075/website:latest
The push refers to repository [docker.io/1ms20cs075/website]
3934ab339f6c: Pushed
df40ccf15557: Mounted from library/httpd
10d8cd84bc49: Mounted from library/httpd
8bb2d8abcb18: Mounted from library/httpd
2bccf7e3b941: Mounted from library/httpd
b5ebffba54d3: Mounted from library/httpd
b5ebffba54d3: Mounted from library/httpd
latest: digest: sha256:002f3c84338d69b9e957e2642e5b66a7f1617d8f16fe0dbde7023c1068f3e7a5 size: 1577
root@nirbhay-VirtualBox:/home/nirbhay/Desktop/website#
```

Pulling the docker file

