

# **OPERATING SYSTEM PROCEDURE REPORT FOR DOCKERIZING A PROJECT**

**Non CIE Component Report**

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**Submitted by**

**Vaiebhav Chettri      1MS20CS134**

**SUPERVISED BY  
Dr. Dayananda R. B  
ASSOCIATE  
PROFESSOR  
DEPARTMENT OF CSE**

**RAMAIAH INSTITUTE OF TECHNOLOGY  
(Autonomous Institute, Affiliated to VTU)  
BANGALORE-560054  
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## STEPS TO DOCKERIZE A WEB PROJECT:

- Firstly, we create a src folder on the desktop which contains the folder osproject and that folder has all the required attachments with respect to the Database project that was previously implemented.
- We add a text file called “Dockerfile” written as:  
FROM php:7.4-apache  
RUN docker-php-ext-install mysqli
- Then we proceed by opening the terminal and enter the following commands step by step:
  1. *sudo su*: This will help us to switch to the root.
  2. *docker build -t osproject .* : This is done for creating the image in the docker hub.
  3. *docker images*: For checking whether the image is made or not we use this.
  4. *docker run -itd -p 8080:80 --name osproject osproject* : This command is used to create a new Container. The command runs the runs the docker file having port ‘8080’ to ‘80’ and returns the token id of the created container .
  5. *docker ps* : This command lets us access the details of the Container that we have created, namely: CONTAINER ID, IMAGE, COMMAND, CREATED, STATUS, PORTS and NAMES of all the containers present in the docker.
  6. *docker login*: This command lets us log in to the docker hub.
  7. *docker tag osproject vaiebhav/osproject:latest*: This is done so that we can tag whatever latest image has been downloaded.
  8. *docker push vaiebhav/osproject:latest*: This command lets us push the image on to the docker hub.

- Proceeding forward, when we login to the Docker HUB website, we find in the repositories the project that we have pushed. There we type the below mentioned command.

*docker pull vaiebhav/osproject*

- Lastly we proceed to localhost:8080 where our project is running

