CSE 486-DISTRIBUTED SYSTEM

Emulating PUB/SUB Distributed System Using Docker Container

README Phase 3

Ankit Sigroha

Rohit Balasayee

11.12.2018

Project 2

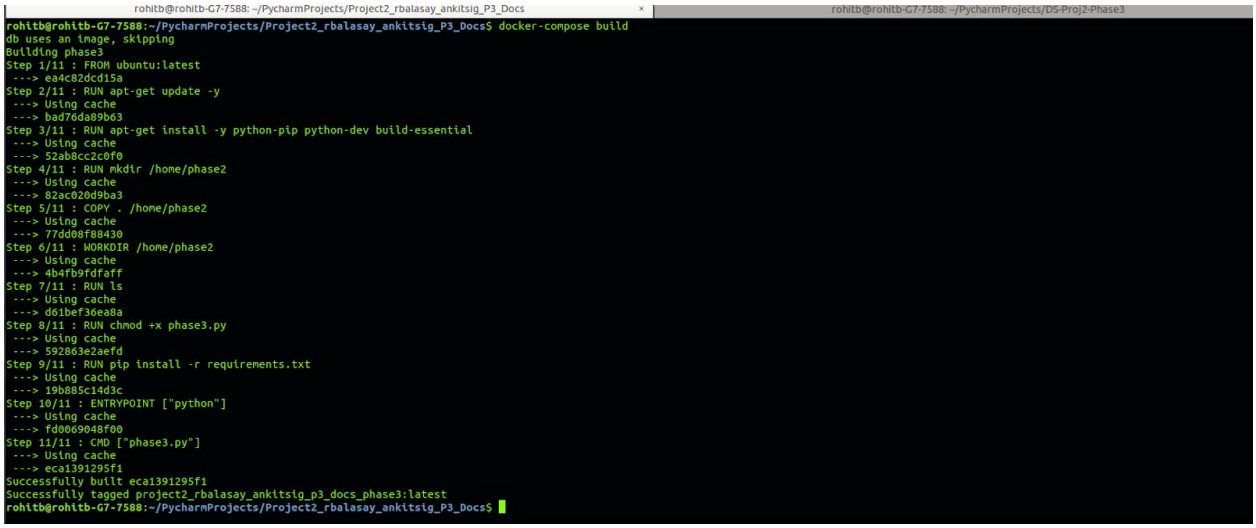
Phase 3:

The folder for phase 2 contain following files:-

1. Dockerfile
2. phase3.py
3. Requirements.txt
4. Templates folder-> P2.html
5. Docker-compose.yml
6. Report.pdf

The steps are as follows:-

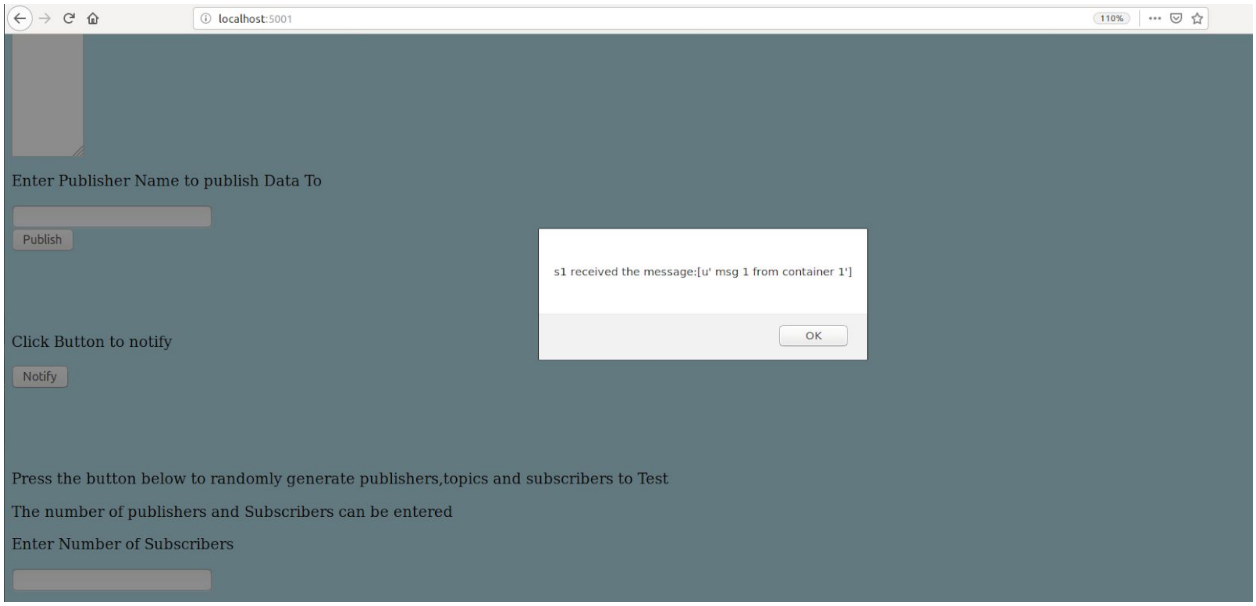
1. Go to the directory and folder in which the files of applications are stored.
2. Open the command line or terminal and build the image of Dockerfile using the command “docker-compose build”

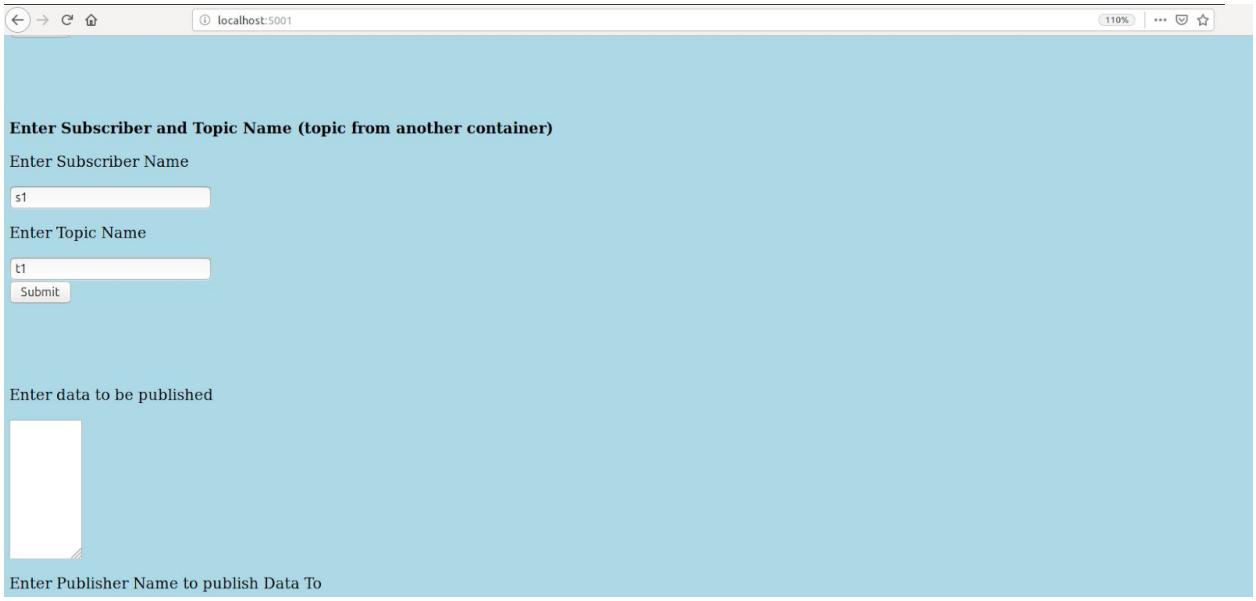


3. Now set the images to run by setting the scale to 2 using the command “docker-compose up -d --scale phase3=2”

4. Go to a browser and type “https:://localhost:5000” for the first container and type “https:://localhost:5001” for the subscribers or the second container . The application will run prompting you to enter the values.
5. Add/Enter the Topic name and the publisher name. Similarly keep adding the subscriber name and the corresponding topic name as much as you want.
6. Enter/Append the data to a topic in text bar and keep on publishing the data.

7. Whenever the user is done with add/appending PUB/SUB to the topics, hit NOTIFY button to print the data as an alert.
8. You will see all the data so entered in respective topics by the publishers.





To notify just click the NOTIFY button and it will review the result on the UI as asked whether the inter-container or intra-container.