

README :

1. To run this application in docker one has to create two files requirement.txt and Dockerfile in folder containing project.
2. As we are using flask web frame work for developing an application, we have to mention Flask in requirement file.

```
# requirements.txt
Flask
```

3. Dockerfile contains all the command that are required to install dependencies and run an flask application.

```
# Use an official Python runtime as a parent image
FROM python:2.7-slim

# Set the working directory to /app
WORKDIR /app

# Copy the current directory contents into the container at /app
ADD . /app

# Install any needed packages specified in requirements.txt
RUN pip install --trusted-host pypi.python.org -r requirements.txt
RUN pip install responses

# Make port 80 available to the world outside this container
EXPOSE 80

# Define environment variable
ENV NAME World1

# Run app.py when the container launches
CMD ["python", "pubSubServer.py"]
```

4. Now we will build an application using below command:

```
>docker build -t phase2 .
```

5. Now let's run an application.

```
>docker run -p 4000:5000 phase2
```

6. Output :

Publisher

Event name:

Message:

Subscriber

Subscriber name:

Subscribe to event:

Message: