

Deployment of App in IBM Cloud

Containerize the App

Team ID	PNT2022TMID35281
Project	Containment Zone Alerting Application

Dockerfile

```
Dockerfile > ...
1 FROM python:3.6
2
3 WORKDIR /app
4
5 COPY . /app
6
7 RUN pip install -r requirements.txt
8 RUN pip install flask
9 RUN pip install ibm_db
10 RUN pip install sendgrid
11
12 EXPOSE 5000
13
14 ENTRYPOINT [ "python" ]
15 CMD [ "app.py" ]
```

Docker image build

```
(base) C:\Users\admin\Desktop\Admin webapp>docker build -t jerryandak/covid-tracker:latest .
[+] Building 60.8s (13/13) FINISHED
=> [internal] load build definition from Dockerfile 0.1s
=> => transferring dockerfile: 32B 0.0s
=> [internal] load .dockerignore 0.1s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/python:3.6 2.1s
=> [auth] library/python:pull token for registry-1.docker.io 0.0s
=> [1/7] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d2235 0.0s
=> [internal] load build context 0.0s
=> => transferring context: 11.32kB 0.0s
0.9s
=> => writing image sha256:2fc7afa3c49f31d400c961c84b3f3aa3e18bc2cbc996 0.0s
=> => naming to docker.io/jerryandak/covid-tracker:latest 0.0s
```

Docker image created

