Deployment of App in IBM Cloud

Containerize the App (Docker Image Creation)

Date	11 NOV 2022
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Project Name	Skill and Job Recommender
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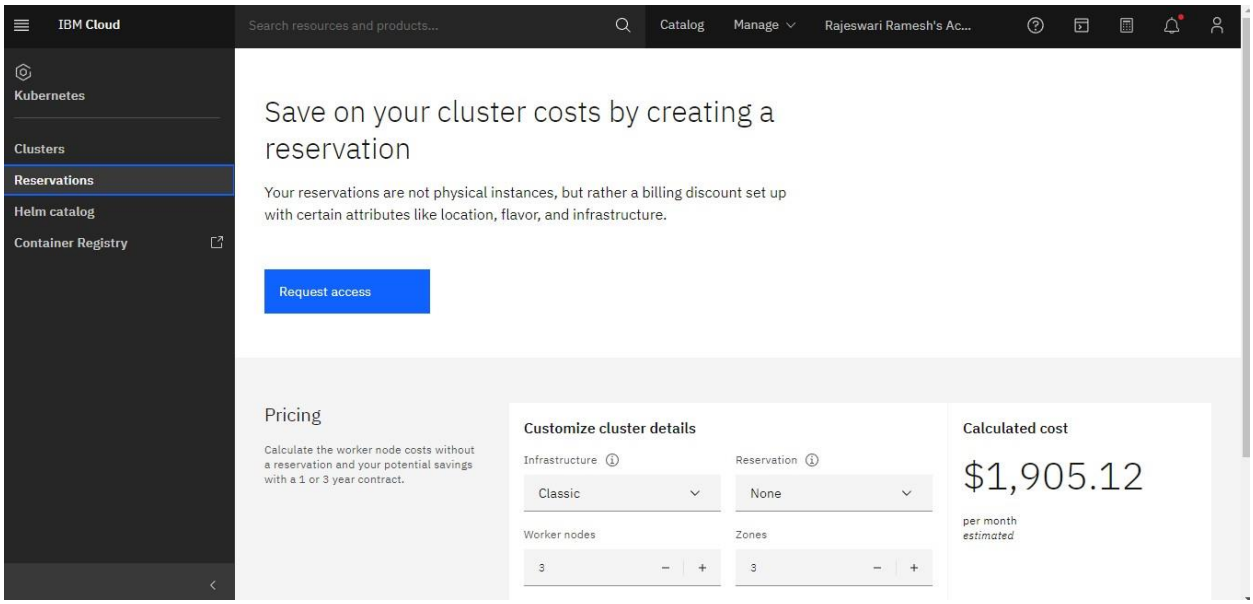
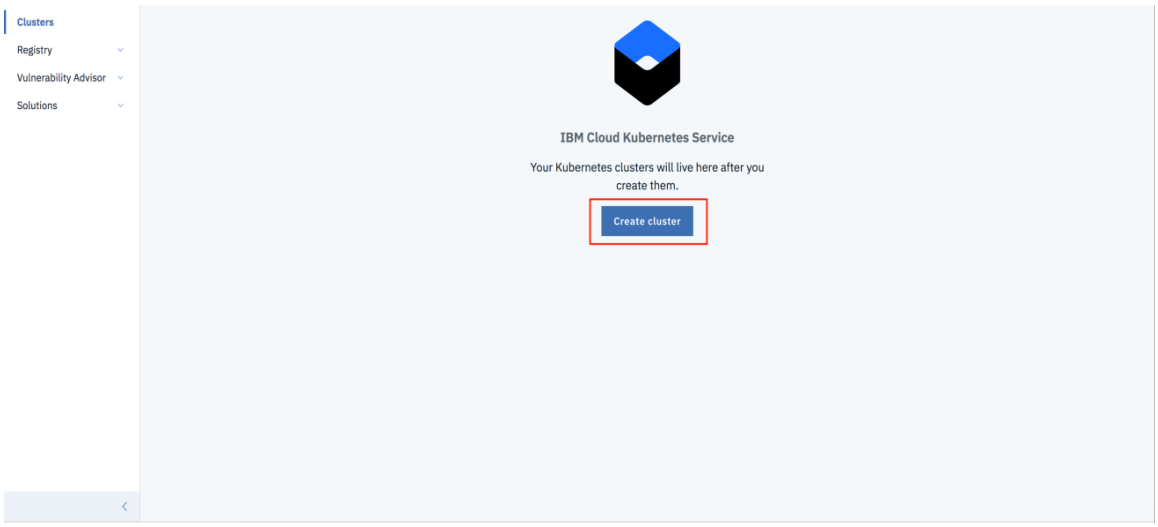
Step 1 :

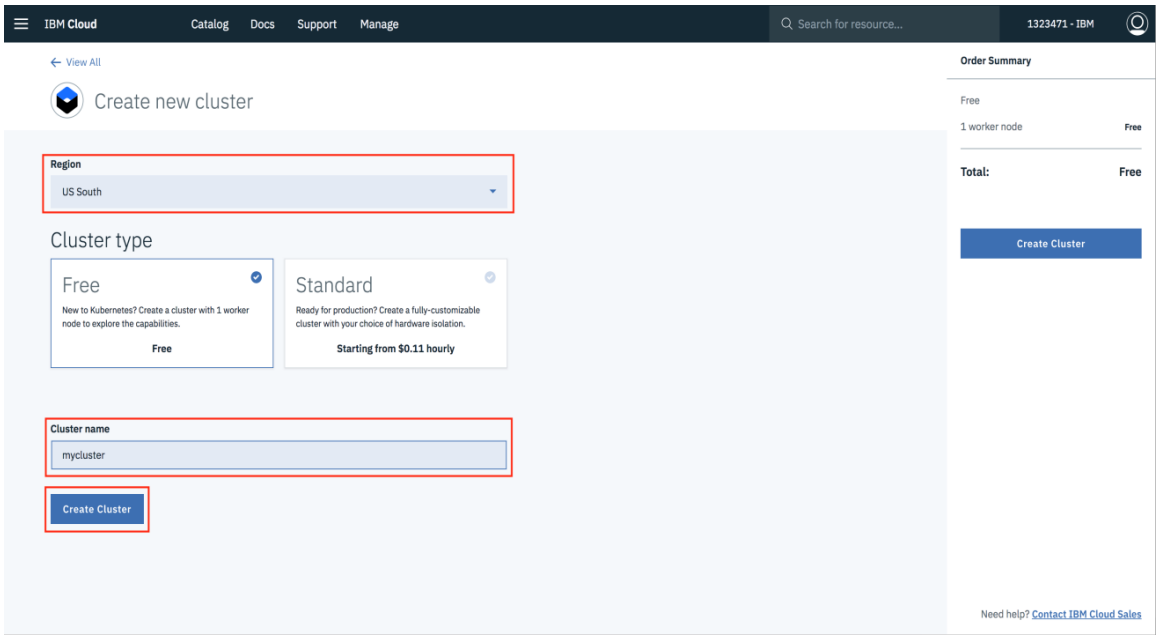
Sign in to your IBM Cloud Dashboard And Open **IBM Kubernetes Service**.



Step 2 :

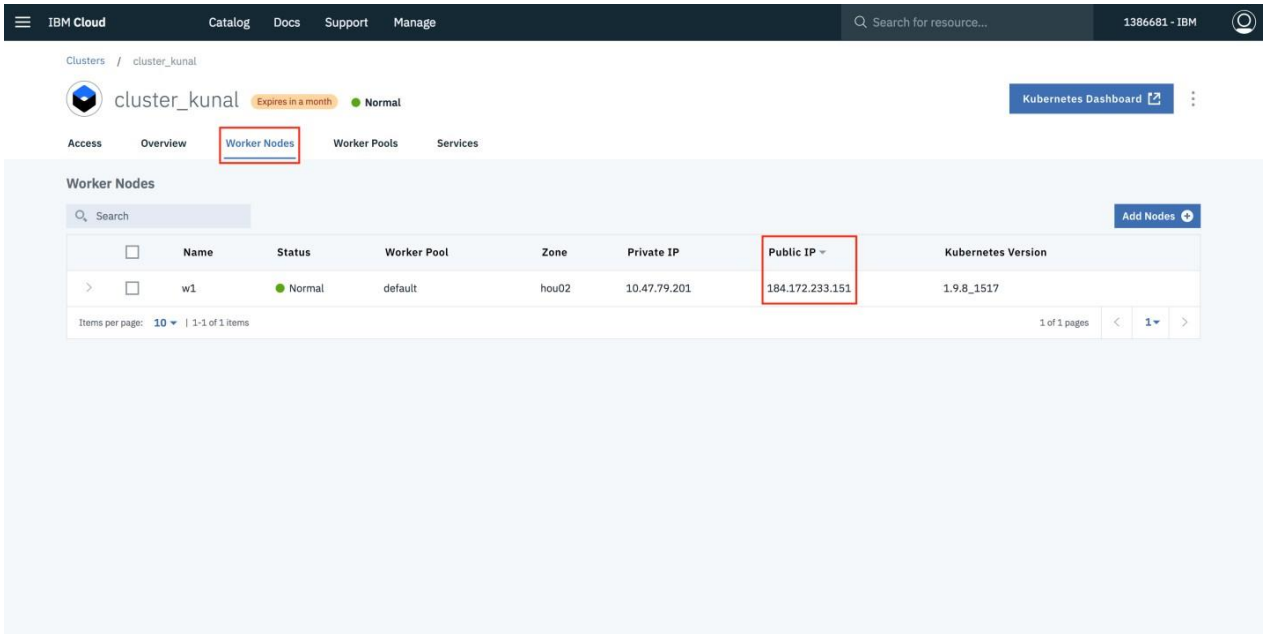
Create the **Cluster**. Give the Region and cluster type are need to create cluster.





Step 3 :

After creating the cluster Click the Work Node to Note the pubic Id.



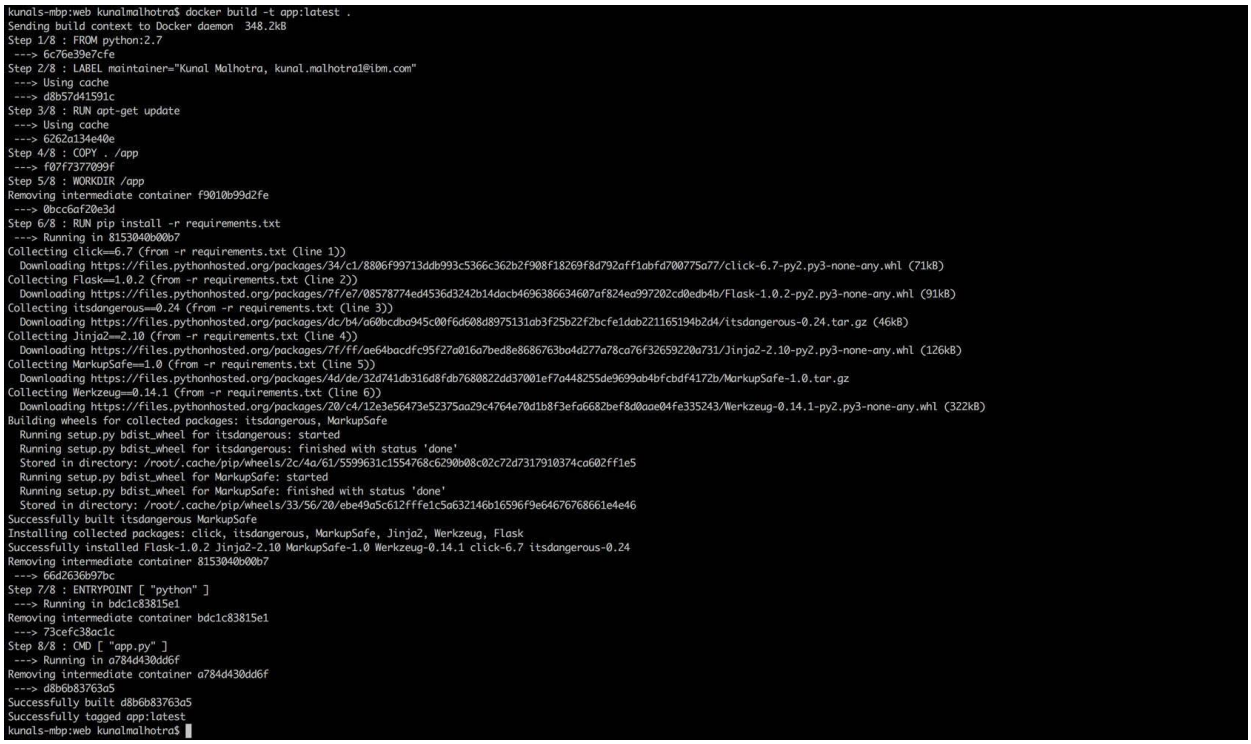
Step 4 :

Next Create a Docker file in Flask App and Type a Following Code within it

```
FROM python:2.7
  LABEL maintainer="Kunal Malhotra, kunal.malhotra1@ibm.com"
  RUN apt-get update
  RUN mkdir /app
  WORKDIR /app
  COPY . /app
  RUN pip install -r requirements.txt
  EXPOSE 5000
  ENTRYPOINT [ "python" ]
  CMD [ "app.py" ]
```

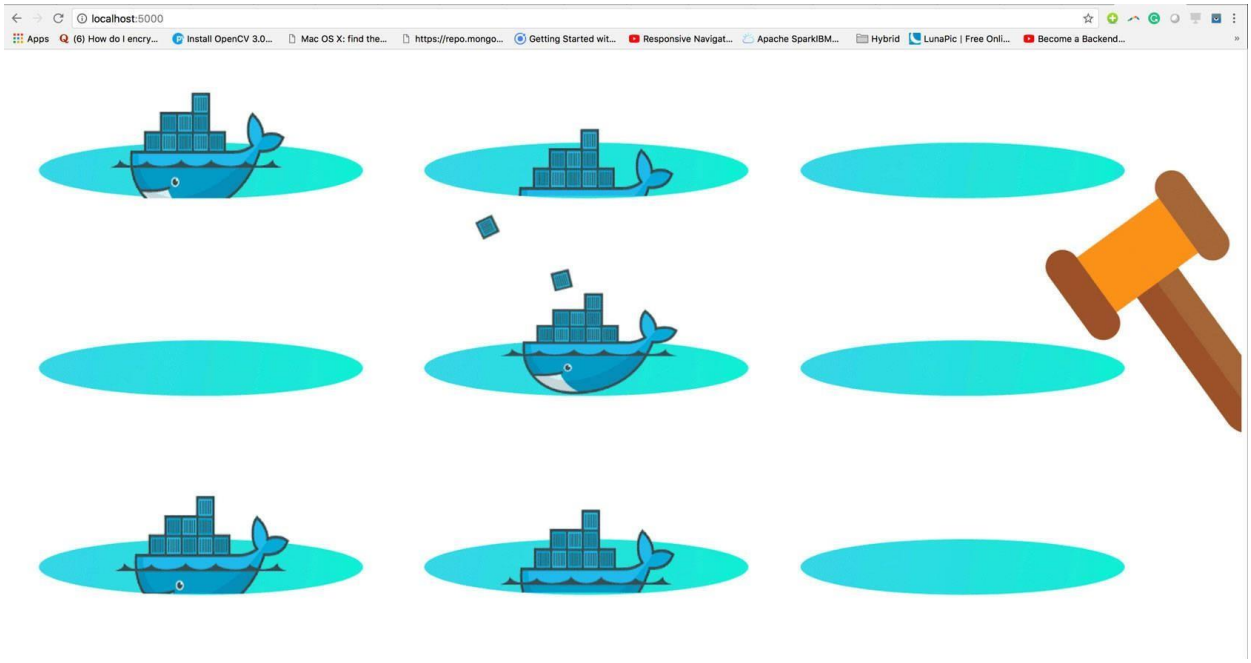
Step 5 :

Open the terminal and type this command to build an image from your Dockerfile: docker build -t <image_name>:<tag> .



Step 6 :

After you build your image succesfully, type: docker run -d -p 5000:5000 app.



Step 7 :

Docker Image Created Successfully.