

Deployment of App in IBM Cloud Containerize of App

Create a Docker



```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: flask-node-deployment
spec:
  replicas: 1
  selector:
    matchLabels:
      app: flasknode
  template:
    metadata:
      labels:
        app: flasknode
    spec:
      containers:
        - name: flasknode
```

```
  image: uk.icr.io/expense-tracker-  
ns/exptrack_repo@sha256:eb08673e89ae61e544c9e420a15c59e71771a1b8d82e60  
6821150a4827a20a1c  
  imagePullPolicy: Always  
  ports:  
  - containerPort: 5000
```

```
FROM python:latest  
COPY ./app /app  
COPY ./app/requirements.txt /requirements.txt  
RUN pip install -r /requirements.txt  
WORKDIR /app  
EXPOSE 8080  
CMD ["python", "/app/app.py"]
```

```
apiVersion: v1  
kind: Service  
metadata:  
  name: flask-app-service  
spec:  
  selector:  
    app: flasknode  
  ports:  
  - name: flask-app  
    protocol: TCP  
    port: 5000  
    targetPort: 5000  
    nodePort: 30006  
  type: NodePort
```

