PERSONAL EXPENSE TRACKING APPLICATION

Creating a docker file

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Dockerfile X

Dockerfile > ...

FROM python:3.10

RUN apt-get update

RUN mkdir /app

WORKDIR /app

COPY . /app

RUN pip install -r requirements.txt

EXPOSE 5000

ENTRYPOINT [ "python" ]

CMD [ "Controller.py" ]

Prockerfile X

Prockerfile > ...

RUN python:3.10

RUN python:3.10

RUN pip install -r requirements.txt

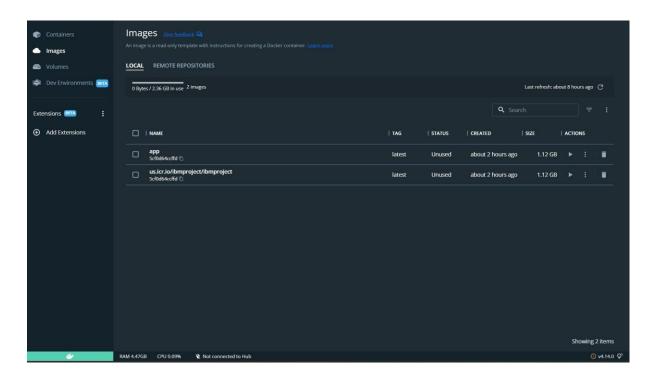
CXPOSE 5000

RUN pip install -r requirements.txt

RUN pi
```

Creating a docker image

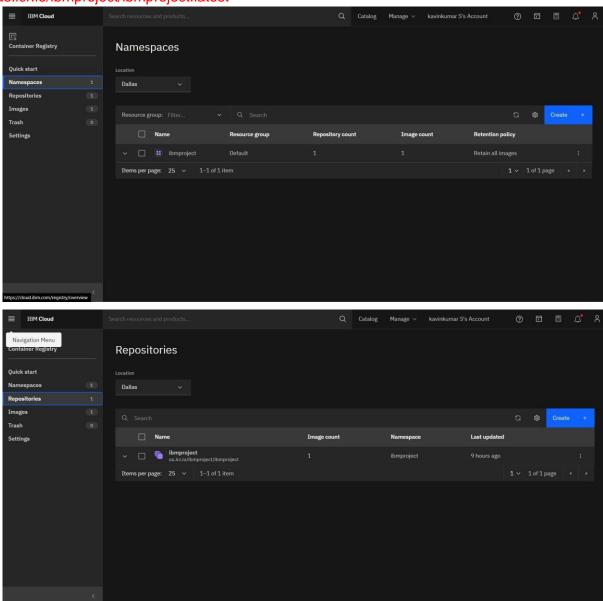
For this process, this command is used -> docker build -t app.

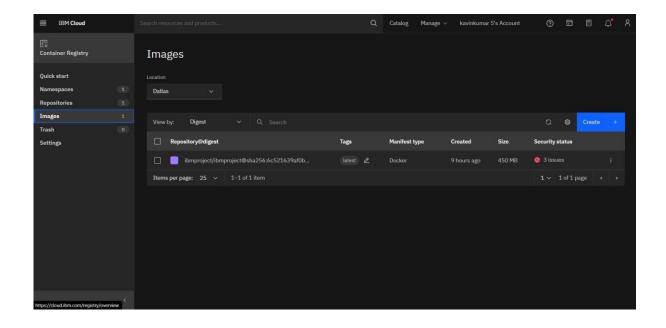


Push the image to the IBM Cloud Registry

This process is done with the following commands,

ibmcloud cr namespace-add ibmproject ibmcloud cr login docker tag app:latest us.icr.io/ibmproject/ibmproject:latest docker push us.icr.io/ibmproject/ibmproject:latest





Deploy application to Kubernetes

ibmcloud ks cluster config --cluster SmartFashion kubectl config currentcontext kubectl expose deployment smartfashion --type=NodePort -name=service

