DEPLOYMENT OF APP IN IBM CLOUD

Deploy in Kubernetes Cluster

Team ID	PNT2022TMID01341
Project Name	PERSONAL EXPENSE TRACKER APPLICATION

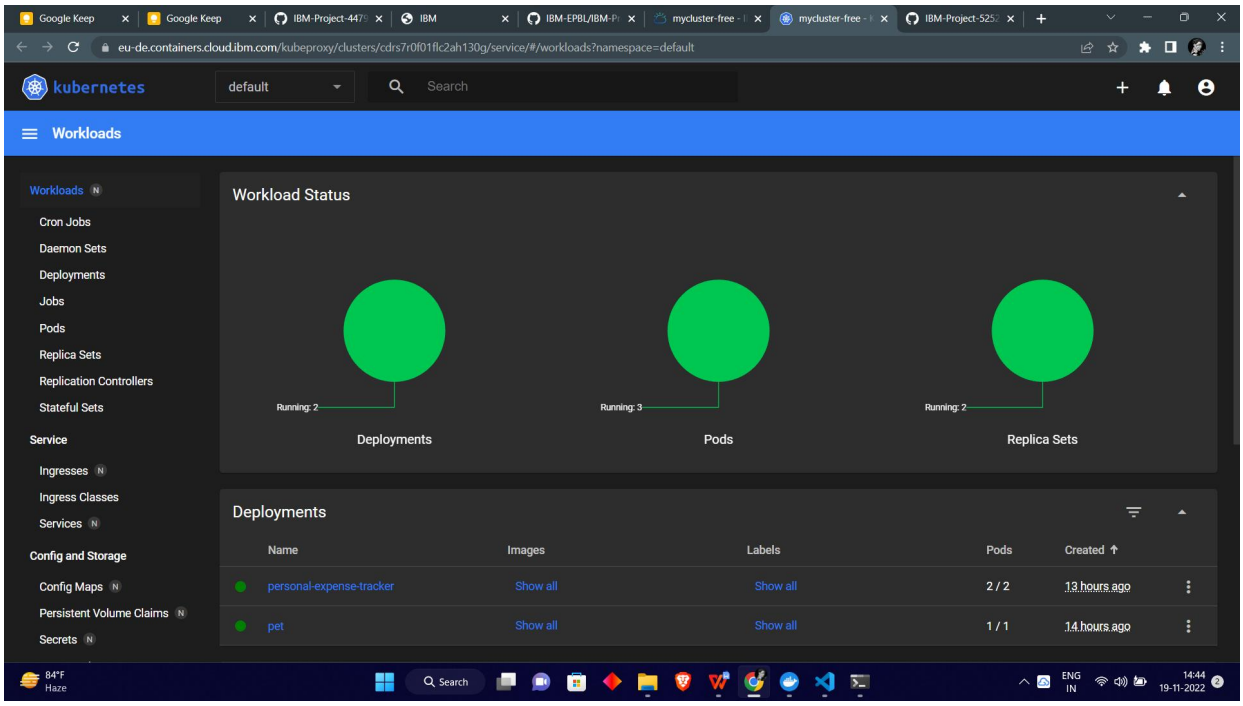
Deployment.yaml

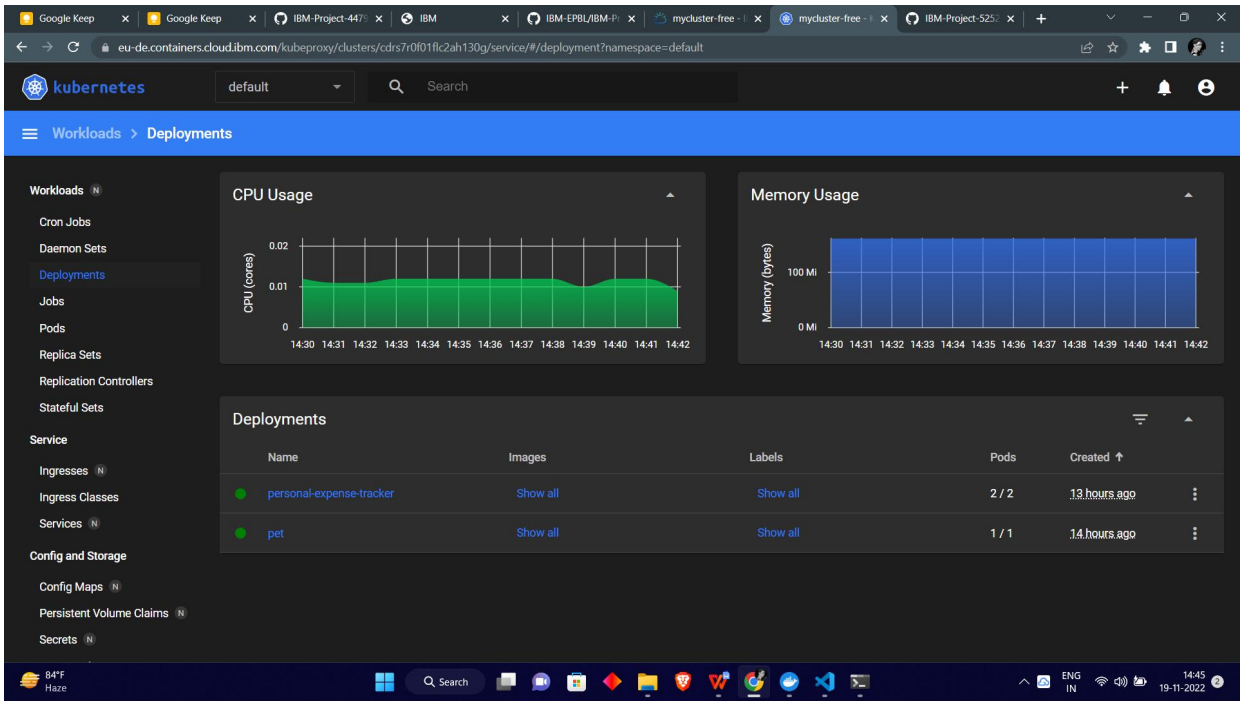
deployment.yaml

```yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: personal-expense-tracker2
spec:
  replicas: 1
  selector:
    matchLabels:
      app: flasknode
  template:
    metadata:
      labels:
        app: flasknode
    spec:
      containers:
      - name: flasknode
        image: icr.io/mohanraj27/pet
        imagePullPolicy: Always
        ports:
        - containerPort: 5000
---
apiVersion: v1
kind: Service
metadata:
  name: pet2
spec:
  selector:
    app: flask-app
  ports:
  - name: http
    protocol: TCP
    port: 3000
    targetPort: 5000
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  JUPYTER

Restarting existing docker container for "minikube" ...
This container is having trouble accessing https://registry.k8s.io
To pull new external images, you may need to configure a proxy: https://minikube.sigs.k8s.io/docs/reference/networking/proxy/
Preparing Kubernetes v1.25.3 on Docker 20.10.20 ...
Verifying Kubernetes components...
  ▪ Using image gcr.io/k8s-minikube/storage-provisioner:v5
  ▪ Using image docker.io/kubernetesui/dashboard:v2.7.0
  ▪ Using image docker.io/kubernetesui/metrics-scraper:v1.0.8
Some dashboard features require the metrics-server addon. To enable all features please run:

        minikube addons enable metrics-server


Enabled addons: storage-provisioner, dashboard
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
PS D:\IBM\demo\pet3> kubectl cluster-info
Kubernetes control plane is running at https://127.0.0.1:57615
CoreDNS is running at https://127.0.0.1:57615/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.
PS D:\IBM\demo\pet3> kubectl apply -f deployment.yaml
deployment.apps/personal-expense-tracker2 created
service/pet2 unchanged
PS D:\IBM\demo\pet3>
```




Google Keep
Google Keep
IBM-Project-447
IBM
IBM-EPBL/IBM-P
mycluster-free -
mycluster-free -
IBM-Project-525
eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdrs7r0f01flc2ah130g/service/#/deployment?namespace=default
kubernetes
default
Search
Workloads > Deployments
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
Config and Storage
Config Maps
Persistent Volume Claims
Secrets
CPU Usage
CPU (cores)
0.02
0.01
0
14:30 14:31 14:32 14:33 14:34 14:35 14:36 14:37 14:38 14:39 14:40 14:41 14:42
Memory Usage
Memory (bytes)
100 Mi
0 Mi
14:30 14:31 14:32 14:33 14:34 14:35 14:36 14:37 14:38 14:39 14:40 14:41 14:42
Deployments
Name
Images
Labels
Pods
Created
personal-expense-tracker
Show all
Show all
2 / 2
13 hours ago
pet
Show all
Show all
1 / 1
14 hours ago
84°F
Haze
Search
ENG
IN
14:45
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