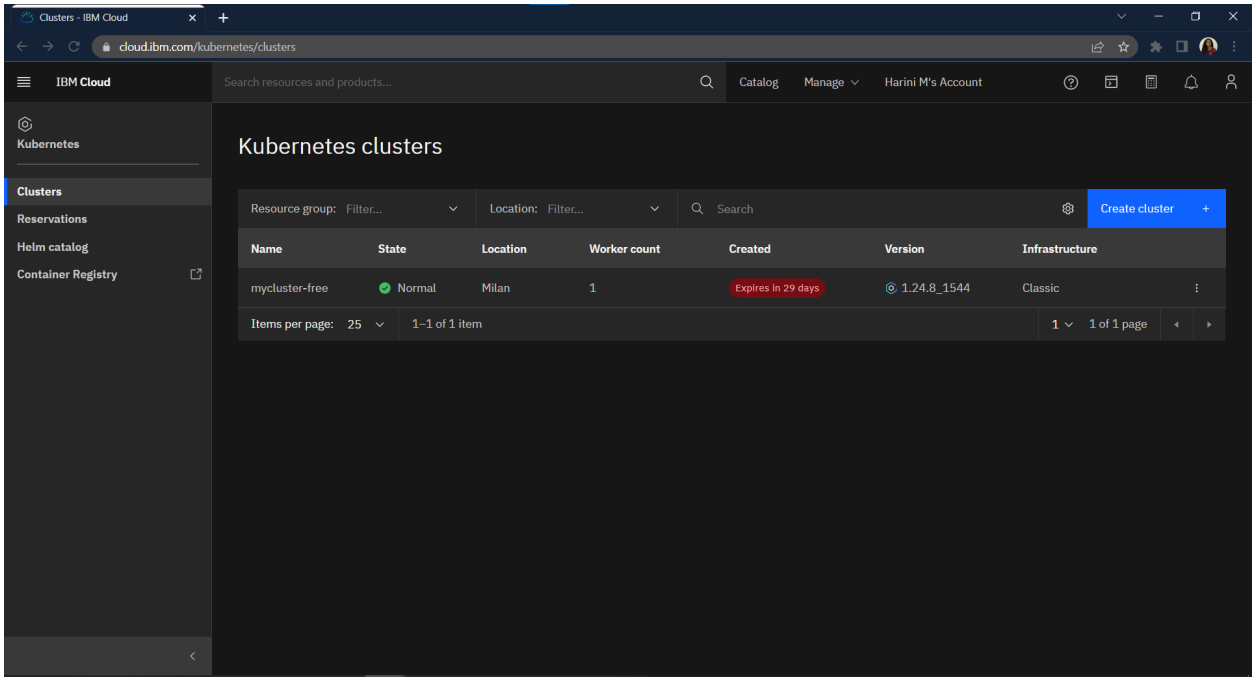
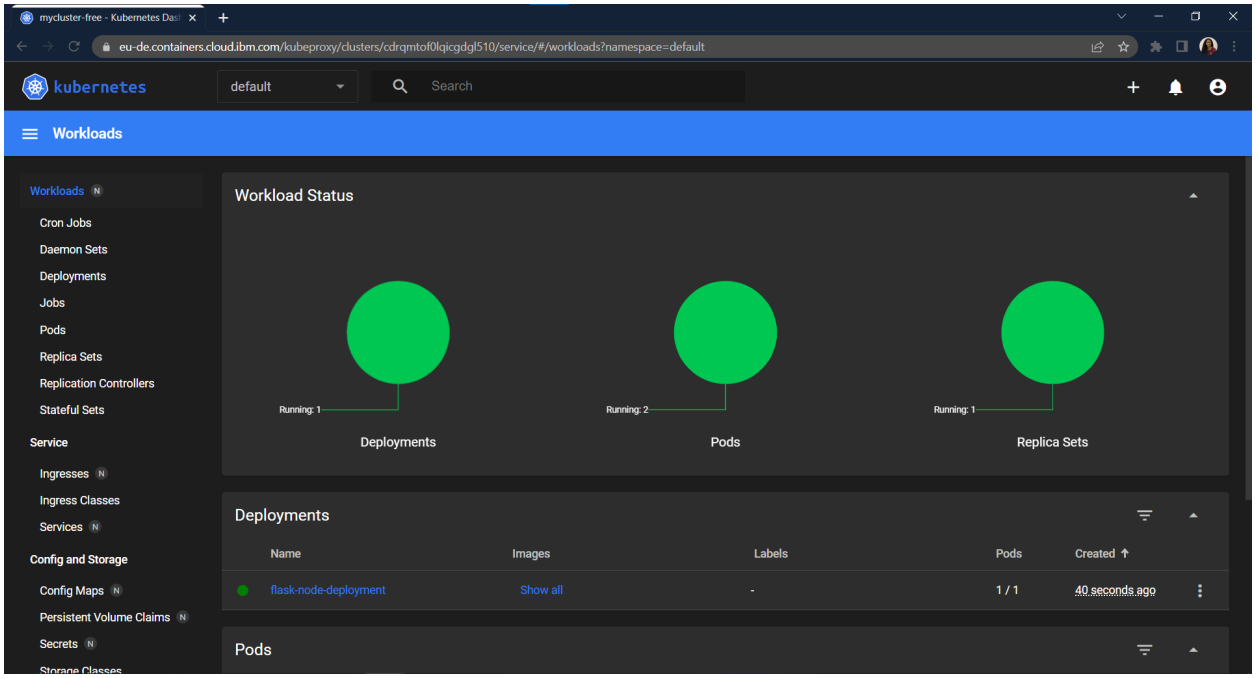
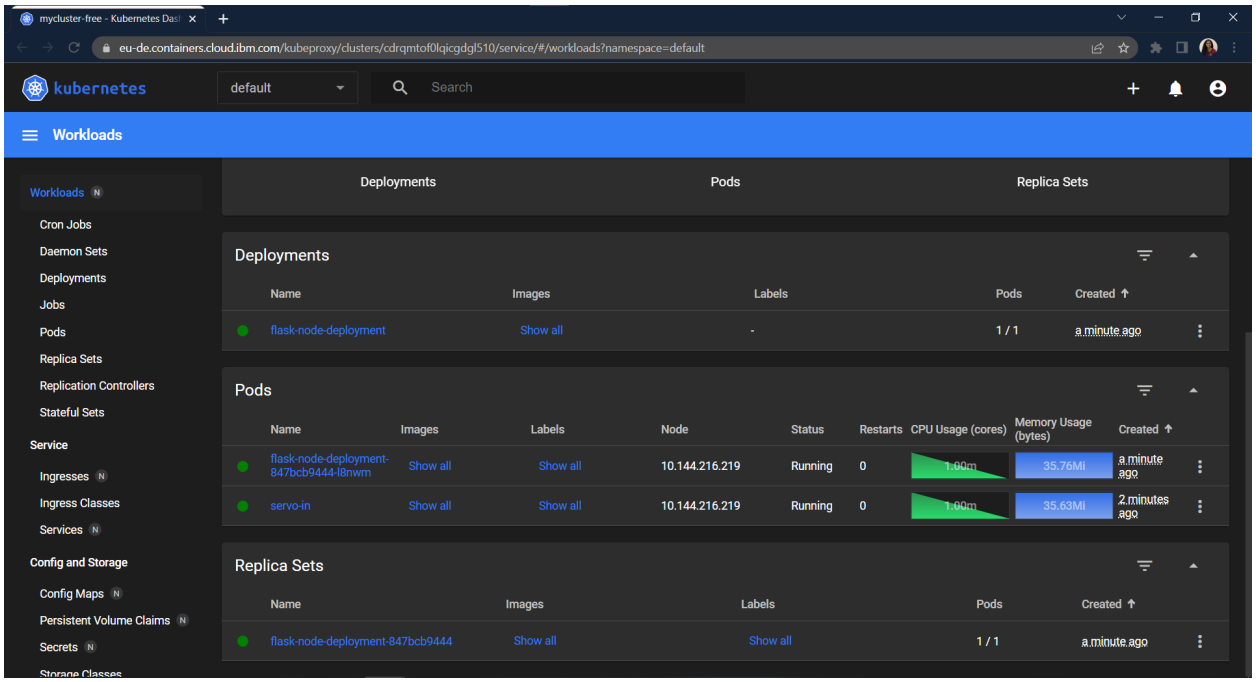
DEPLOYMENT OF APP IN IBM CLOUD
Deploy in Kubernetes Cluster

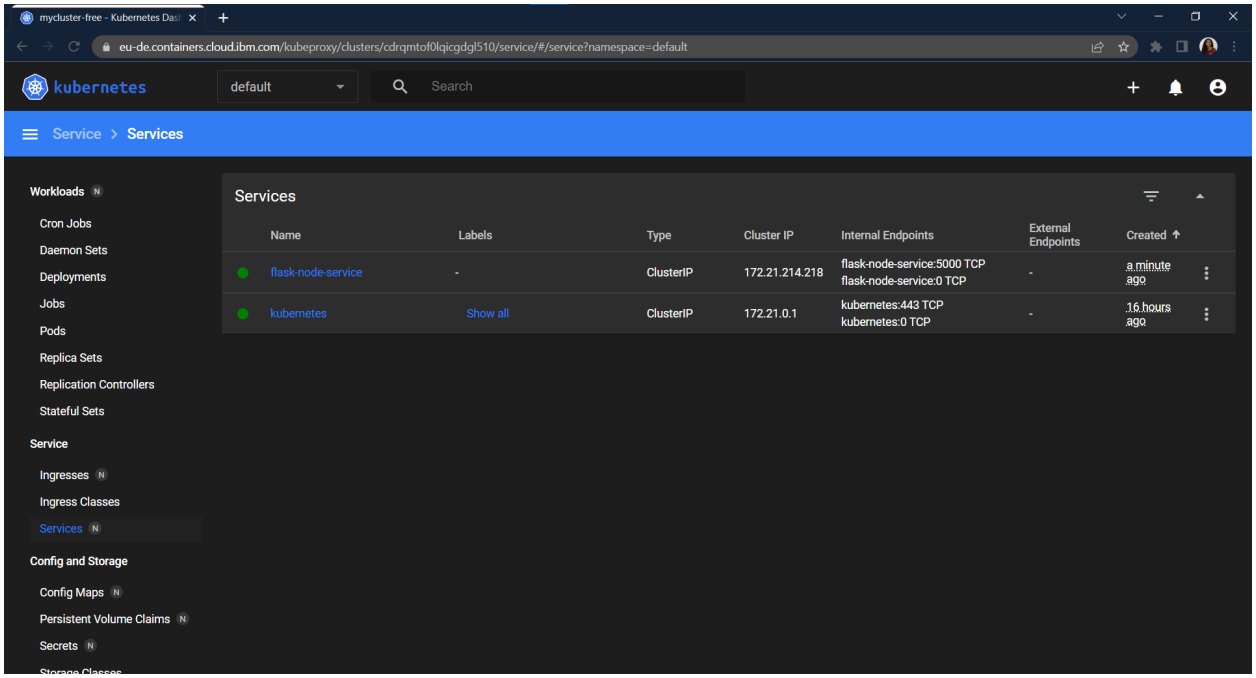
Team ID	PNT2022TMID03825
Project Name	Inventory Management For Retailers




```
C:\Users\Harini\Desktop\docker>ibmcloud ks cluster config --cluster cdrqmtof0lqicgdgl510
OK
The configuration for cdrqmtof0lqicgdgl510 was downloaded successfully.

Added context for cdrqmtof0lqicgdgl510 to the current kubeconfig file.
You can now execute 'kubectl' commands against your cluster. For example, run 'kubectl get nodes'.
If you are accessing the cluster for the first time, 'kubectl' commands might fail for a few seconds while RBAC synchronizes.

C:\Users\Harini\Desktop\docker>ibmcloud cr image-list
Listing images...

Repository              Tag      Digest         Namespace   Created          Size     Security status
icr.io/servo-in/imsfr   latest   0a7ee0d2dbb7   servo-in    28 minutes ago   320 MB   -

OK

C:\Users\Harini\Desktop\docker>kubectl run servo-in --image=icr.io/servo-in/imsfr:latest
pod/servo-in created

C:\Users\Harini\Desktop\docker>kubectl apply -f deployment.yaml
deployment.apps/flask-node-deployment created

C:\Users\Harini\Desktop\docker>kubectl apply -f service.yaml
service/flask-node-service created

C:\Users\Harini\Desktop\docker>
```


mycluster-free - Kubernetes Das
eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdrqmtof0lqicgdgl510/service/#/workloads?namespace=default
kubernetes
default
Search
Workloads
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
Workload Status
Running: 1
Deployments
Running: 2
Pods
Running: 1
Replica Sets
Deployments
Name
Images
Labels
Pods
Created
flask-node-deployment
Show all
-
1 / 1
40 seconds ago
Pods


mycluster-free - Kubernetes Das
eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdrqmtof0lqicgdgl510/service/#/workloads?namespace=default
kubernetes
default
Search
Workloads
Deployments
Pods
Replica Sets
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
Deployments
Name
Images
Labels
Pods
Created
flask-node-deployment
Show all
-
1 / 1
a minute ago
Pods
Name
Images
Labels
Node
Status
Restarts
CPU Usage (cores)
Memory Usage (bytes)
Created
flask-node-deployment-847bcb9444-l8nwm
Show all
Show all
10.144.216.219
Running
0
1.00m
35.76Mi
a minute ago
servo-in
Show all
Show all
10.144.216.219
Running
0
1.00m
35.63Mi
2 minutes ago
Replica Sets
Name
Images
Labels
Pods
Created
flask-node-deployment-847bcb9444
Show all
Show all
1 / 1
a minute ago


mycluster-free - Kubernetes Das
eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdrqmtof0lqicgdgl510/service/#/service?namespace=default
kubernetes
default
Search
Service > Services
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
Services
Name
Labels
Type
Cluster IP
Internal Endpoints
External Endpoints
Created
flask-node-service
-
ClusterIP
172.21.214.218
flask-node-service:5000 TCP
flask-node-service:0 TCP
-
a minute ago
kubernetes
Show all
ClusterIP
172.21.0.1
kubernetes:443 TCP
kubernetes:0 TCP
-
16 hours ago