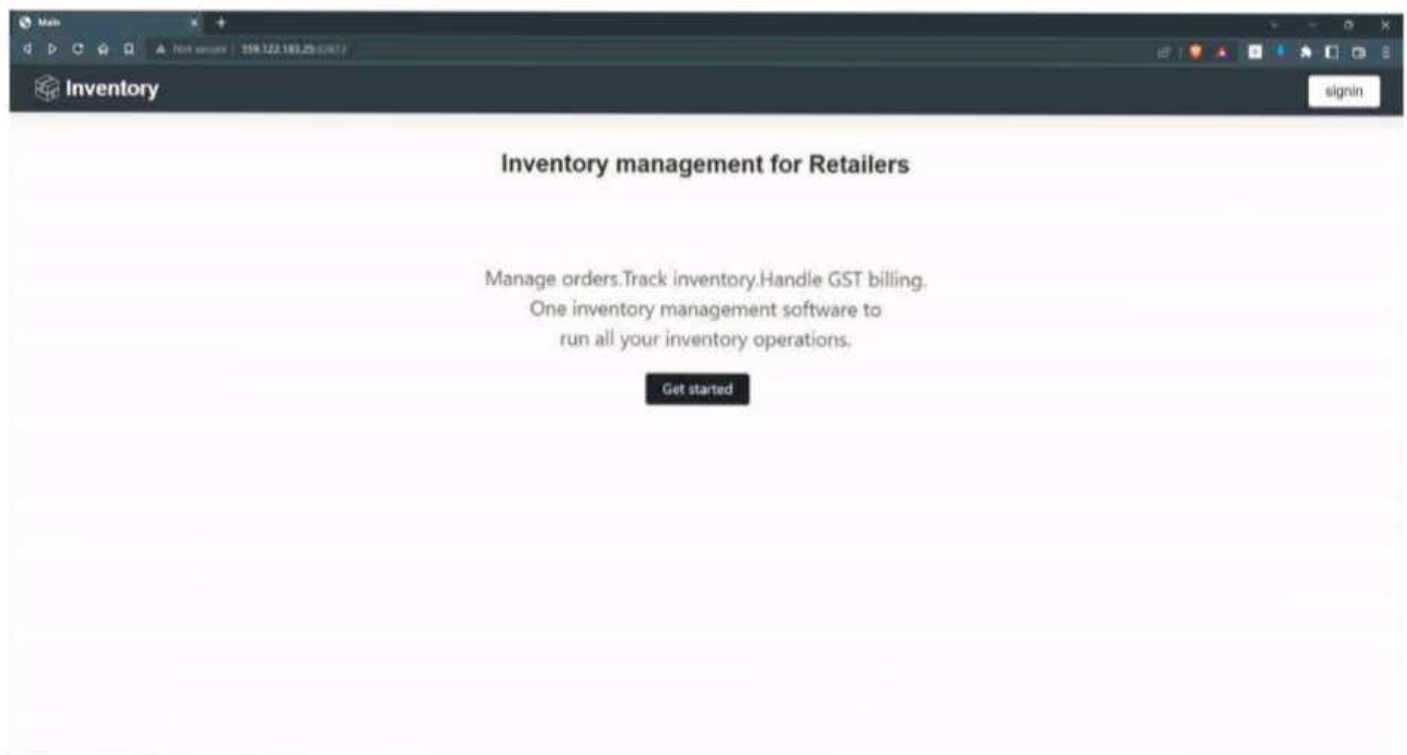


```
Windows PowerShell
Targeted region eu-de

API endpoint: https://cloud.ibm.com
Region: eu-de
User: mdyaseen.246@gmail.com
Account: Mohamed Yaseen's Account (b16c6751300c4cf5b9c374e8dd38ae18)
Resource group: Default
CF API endpoint:
Org:
Space:
PS C:\Users\Karthi\Desktop\Assignment4> kubectl apply -f .\kubernetes\ibm_deployment.yaml
deployment.apps/ibm-project created
PS C:\Users\Karthi\Desktop\Assignment4> kubectl get ing
NAME          CLASS    HOSTS    ADDRESS    PORTS    AGE
flask-app-ingress <none>   *        80         106m
PS C:\Users\Karthi\Desktop\Assignment4> kubectl expose deployment mycluster-free --type=NodePort --name=flask-service
service/flask-service exposed
PS C:\Users\Karthi\Desktop\Assignment4> kubectl proxy
Starting to serve on 127.0.0.1:8001
PS C:\Users\Karthi\Desktop\Assignment4> kubectl get svc
NAME                TYPE        CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE
flask-app-service   NodePort    172.21.169.184 <none>         5000:32672/TCP   110m
flask-service       NodePort    172.21.250.81  <none>         5000:32015/TCP   117s
ibmproject           NodePort    172.21.91.42   <none>         3000:30960/TCP   3h34m
kubernetes           ClusterIP    172.21.0.1     <none>         443/TCP          4h1m
mycluster-free-service NodePort    172.21.163.161 <none>         5000:31134/TCP   92m
yaseen-project-service ClusterIP    172.21.65.168  <none>         5000/TCP         119m
PS C:\Users\Karthi\Desktop\Assignment4> |
```



mycluster-free - Kubernetes Dashboard

eu-de.containers.cloud.ibm.com/kubegw/proxy/kubernetes7d8gfr3d/service?workloads/namespace=default

kubernetes default Search

Workloads

Workload Status

Running 2 Deployments Running 6 Pods Running 2 Replica Sets

Deployments

Name	Images	Labels	Pods	Created ↑
mycluster-free	Show all		3 / 3	an hour ago
ibmgateway-deployment	Show all	Show all	1 / 1	2 hours ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created ↑
mycluster-free	Show all	Show all	10.144.185.70	Running	0	0.00%	100.00MB	an hour ago

mycluster-free - Kubernetes Dashboard

eu-de.containers.cloud.ibm.com/kubegw/proxy/kubernetes7d8gfr3d/service?workloads/namespace=default/containers/mycluster-free

kubernetes default Search

Workloads > Pods > mycluster-free > Logs

Logs from mycluster-free - in mycluster-free -

```
* Serving Flask app "app"
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.30.25.155:5000
Press CTRL+C to quit
```

Logs from Nov 22, 2022 to Nov 22, 2022 UTC

```
Windows PowerShell

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```

