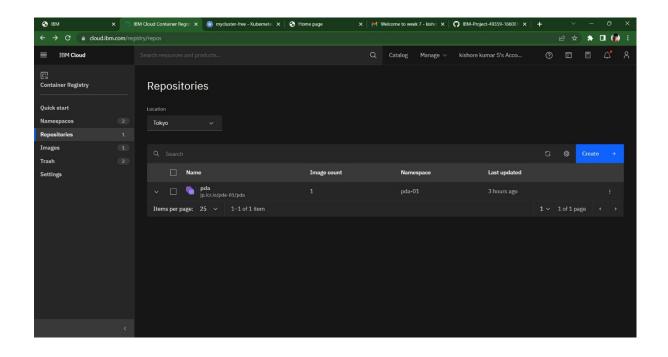
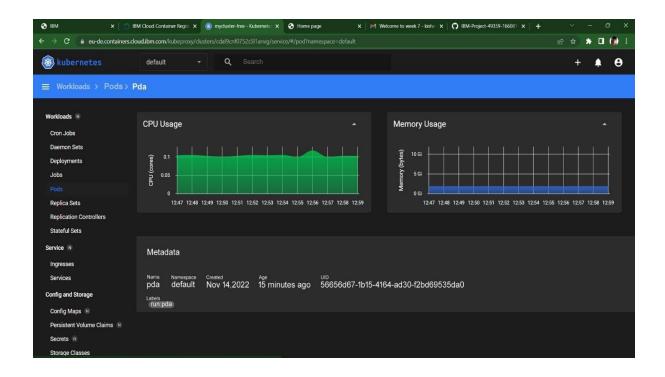
Creating Kubernetes Cluster using IBM Cloud Container Registry

```
bfcldeb8136e: Mounted from mod-01/ibm-db2-docker
1f123186824c: Mounted from mod-01/ibm-db2-docker
3f6eb1152931: Mounted from mod-01/ibm-db2-docker
1609796cf36131: Mounted from mod-01/ibm-db2-docker
1609796cf36131: Mounted from mod-01/ibm-db2-docker
54acb3a6fa8b: Mounted from mod-01/ibm-db2-docker
8451c618126f: Mounted from mod-01/ibm-db2-docker
9ff6e4d46744: Mounted from mod-01/ibm-db2-docker
48991d47b5a1: Mounted from mod-01/ibm-db2-docker
48991d47b5a1: Mounted from mod-01/ibm-db2-docker
1655ed1b7a428: Mounted from mod-01/ibm-db2-docker
181est: digest: sha256:7e60b8c662fa6836bed998ea2f97a3a31e7ddfb131dd7096a2eecdc8288bbf27 size: 3265
  :\Users\kishore kumar\Desktop\Pda>kubectl config get-contexts
CURRENT NAME CLUSTER AUTHINFO NAMESPACE
docker-desktop docker-desktop docker-desktop
 C:\Users\kishore kumar\Desktop\Pda>kubectl apply -f kubernetes/ibm_deployment.yaml
deployment.apps/pda created
 C:\Users\kishore kumar\Desktop\Pda>kubectl apply -f kubernetes/flask_service.yaml
service/flask-app-service created
 C:\Users\kishore kumar\Desktop\Pda>kubectl apply -f kubernetes/flask_ingress.yaml
ingress.networking.k8s.io/pda-ingress created
C:\Users\kishore kumar\Desktop\Pda>kubectl get ing
NAME CLASS HOSTS ADDRESS PORTS AGE
pda-ingress <none> * 80 25s
C:\Users\kishore kumar\Desktop\Pda>kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
flask-app-service ClusterIP 10.97.238.223 <none> 5000/TCP 2m5s
 C:\Users\kishore kumar\Desktop\Pda>kubectl describe svc flask-app-service
Name: flask-app-service
Mamespace: default
Labels: <none>
   nnotations:
C:\Users\kishore kumar\Desktop\Pda>kubectl describe svc pda
Error from server (NotFound): services "pda" not found
 C:\Users\kishore kumar\Desktop\Pda>kubectl run flask-app-service --image=jp.icr.io/pda-01/pda
pod/flask-app-service created
 C:\Users\kishore kumar\Desktop\Pda>kubectl apply -f kubernetes/ibm_deployment.yaml
deployment.apps/pda unchanged
 C:\Users\kishore kumar\Desktop\Pda>kubectl apply -f kubernetes/flask_service.yaml
service/flask-app-service unchanged
 C:\Users\kishore\ kumar\Desktop\Pda>kubectl\ apply\ -f\ kubernetes/flask\_ingress.yamlingress.networking.k8s.io/pda-ingress\ unchanged 
 C:\Users\kishore kumar\Desktop\Pda>kubectl get nodes -o wide
NAME STATUS ROLES AGE VERSION INTERNAL-IP EXTERNAL-IP OS-IMAGE
    ocker-desktop Ready control-plane 38h v1.25.0 192.168.65.4 <none>
 C:\Users\kishore kumar\Desktop\Pda>
```







Docker – Convert into Image and Container

