

## Upload Image to IBM CR:

```
C:\Users\Ananthitha\ibmproject\training\samplesession>docker tag kub8-samplesession uk.icr.io/kub_ns/kub8-samplesession

C:\Users\Ananthitha\ibmproject\training\samplesession>ibmcloud cr login
FAILED
You are not logged in to IBM Cloud.
Log in by running the 'ibmcloud login' command.

C:\Users\Ananthitha\ibmproject\training\samplesession>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: eu-gb

Email> anan19110.cs@rmkec.ac.in

Password>
Authenticating...
OK

Targeted account ANANDHITHA T R's Account (d8d7bf47ea3c4175adb1c62d138fca79)

API endpoint:      https://cloud.ibm.com
Region:            eu-gb
User:              anan19110.cs@rmkec.ac.in
Account:           ANANDHITHA T R's Account (d8d7bf47ea3c4175adb1c62d138fca79)
Resource group:    No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

C:\Users\Ananthitha\ibmproject\training\samplesession>ibmcloud cr login
Logging 'docker' in to 'uk.icr.io'...
Logged in to 'uk.icr.io'.

OK

C:\Users\Ananthitha\ibmproject\training\samplesession>docker push uk.icr.io/kub_ns/kub8-samplesession
Using default tag: latest
The push refers to repository [uk.icr.io/kub_ns/kub8-samplesession]
c5086cb95858: Pushed
88fc9f8fe29b: Pushed
d34102fea304: Pushed
8b483ee40ec5: Mounted from kub_ns/flask-app-t1
bfc1deb8136e: Mounted from kub_ns/flask-app-t1
1f123186824c: Mounted from kub_ns/flask-app-t1
3d6eb1152931: Mounted from kub_ns/flask-app-t1
100796cdf3b1: Mounted from kub_ns/flask-app-t1
100796cdf3b1: Mounted from kub_ns/flask-app-t1
latest: digest: sha256:de289e6640a926beabd644fc871ad7ba2fa8e694f35ef1b824e0274d45a0fa66 size: 3051

C:\Users\Ananthitha\ibmproject\training\samplesession>kubectl config get-contexts
CURRENT  NAME             CLUSTER          AUTHINFO  NAMESPACE
*        docker-desktop   docker-desktop   docker-desktop
C:\Users\Ananthitha\ibmproject\training\samplesession>ibmcloud ks cluster config -c cdqffef07ur391kgthg
OK
The configuration for cdqffef07ur391kgthg was downloaded successfully.

Added context for cdqffef07ur391kgthg 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\Ananthitha\ibmproject\training\samplesession>kubectl config get-contexts
CURRENT  NAME             CLUSTER          AUTHINFO  NAMESPACE
*        mycluster-free/cdqffef07ur391kgthg  mycluster-free/cdqffef07ur391kgthg  anan19110.cs@rmkec.ac.in/d8d7bf47ea3c4175adb1c62d138fca79/iam.cloud.ibm.com-identity  default

C:\Users\Ananthitha\ibmproject\training\samplesession>kubectl apply -f kubernetes/ibm_deployment.yaml
deployment.apps/samplesession created

C:\Users\Ananthitha\ibmproject\training\samplesession>kubectl apply -f kubernetes/flask_service.yaml
service/flask-app-service created

C:\Users\Ananthitha\ibmproject\training\samplesession>kubectl apply -f kubernetes/flask_ingress.yaml
ingress.networking.k8s.io/flask-app-ingress created

C:\Users\Ananthitha\ibmproject\training\samplesession>kubectl get ing
NAME          CLASS  HOSTS  ADDRESS  PORTS  AGE
flask-app-ingress  <none>  *      10.144.188.15  80      36s

C:\Users\Ananthitha\ibmproject\training\samplesession>kubectl get nodes -o wide
NAME          STATUS  ROLES  AGE  VERSION  INTERNAL-IP  EXTERNAL-IP  OS-IMAGE             KERNEL-VERSION  CONTAINER-RUNTIME
10.144.188.15  Ready   <none>  23h  v1.24.7+IKS  10.144.188.15  169.51.206.11  Ubuntu 18.04.6 LTS   4.15.0-194-generic  containerd://1.6.8

C:\Users\Ananthitha\ibmproject\training\samplesession>kubectl get svc
NAME          TYPE        CLUSTER-IP  EXTERNAL-IP  PORT(S)  AGE
flask-app-service  ClusterIP   172.21.95.13  <none>        5000/TCP  10m
kubernetes       ClusterIP   172.21.0.1    <none>        443/TCP   23h
```