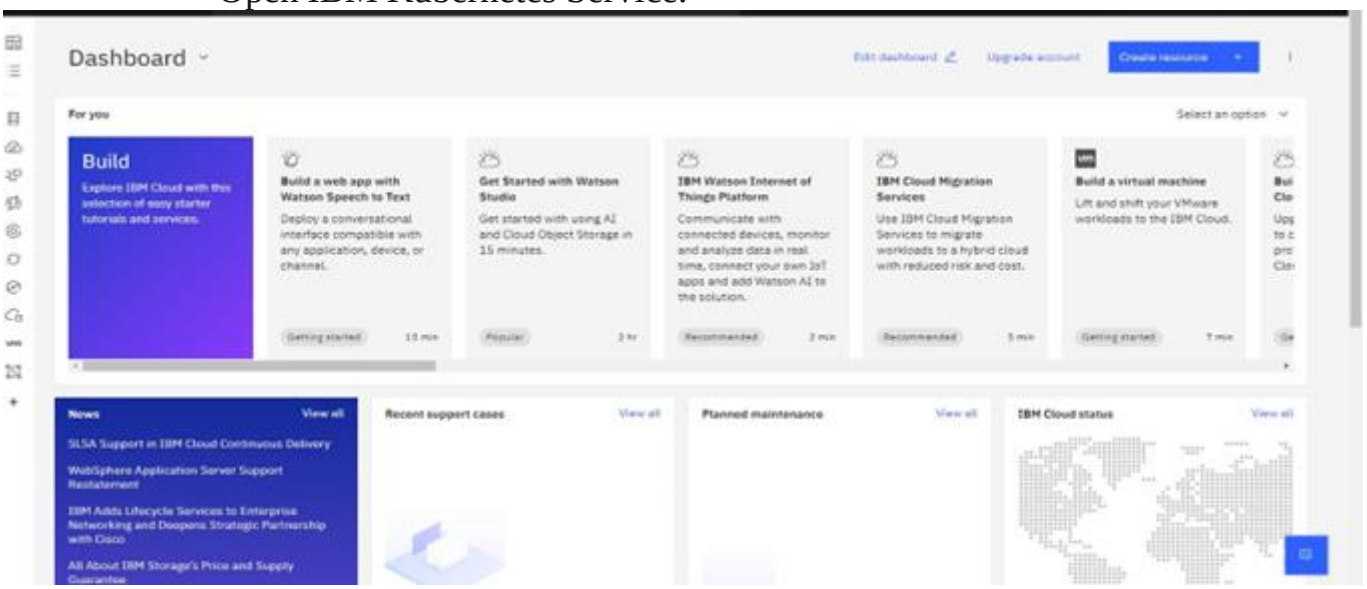
DEPLOY IN KUBERNATES CLUSTER

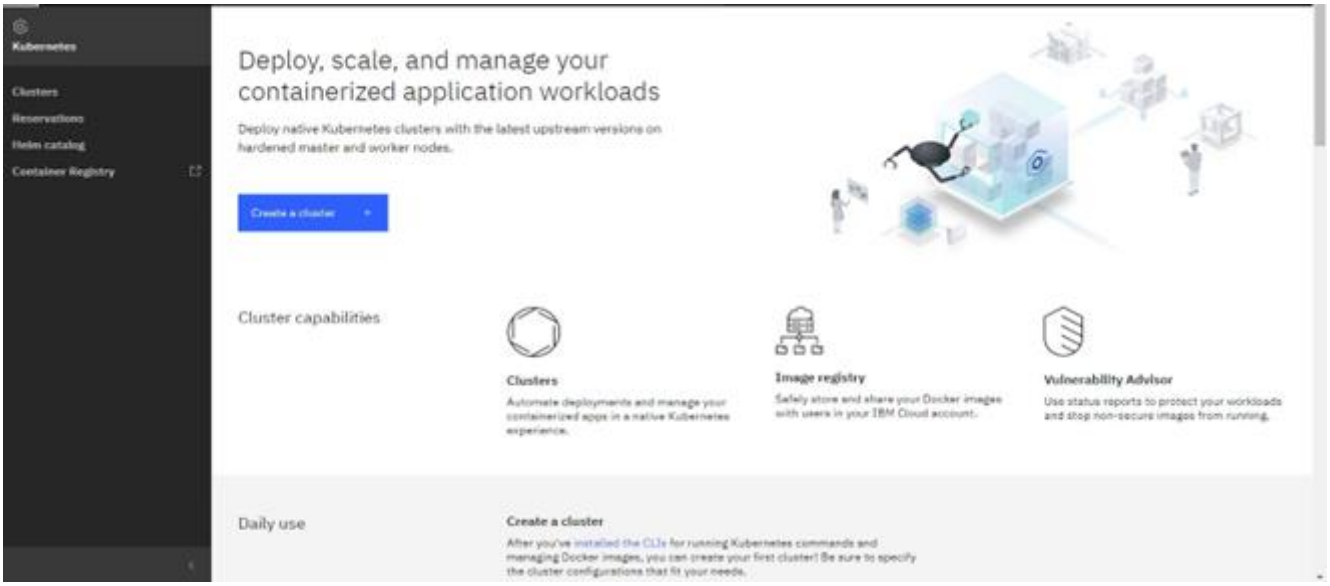
Team ID	PNT2022TMID34929
Project Name	Project - Personal Expense Tracker
Date	01 NOV 2022

Step 1: Create a Kubernetes cluster

- Sign in to your IBM Cloud Dashboard.
- Open IBM Kubernetes Service.

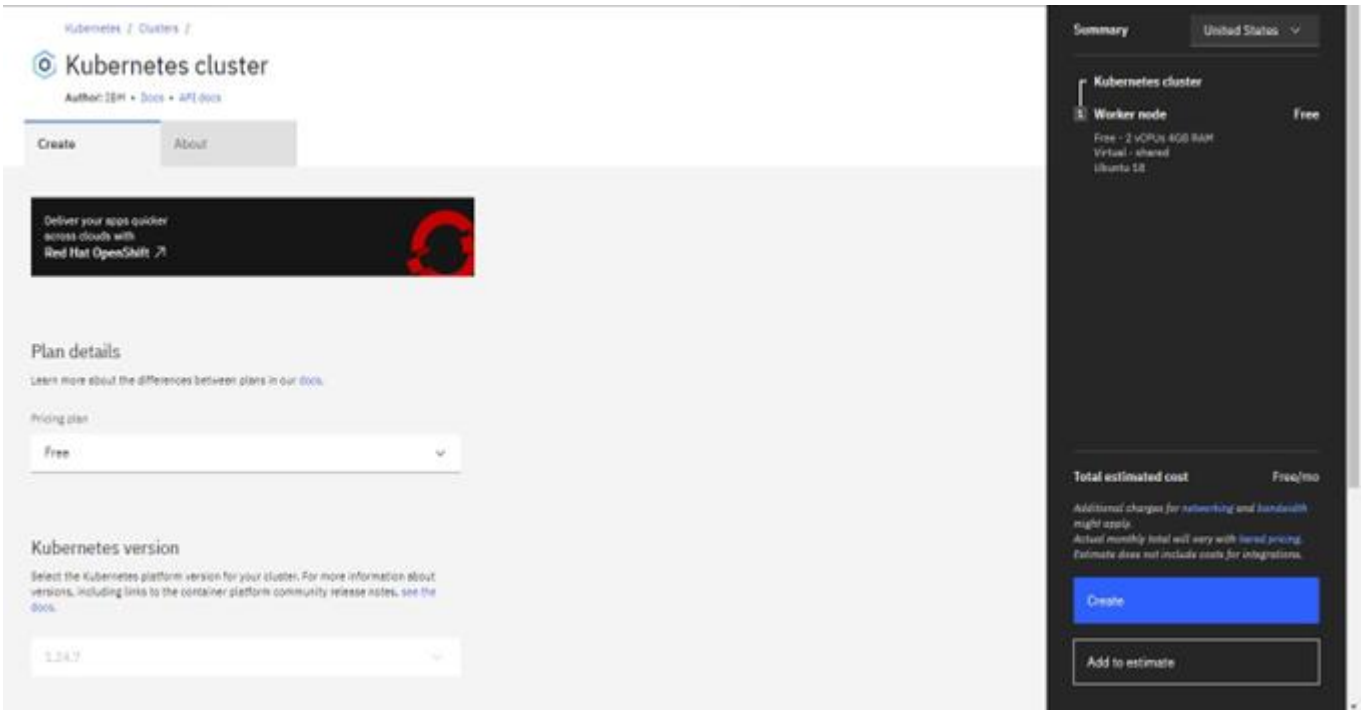


Step 2: Click Create Cluster.

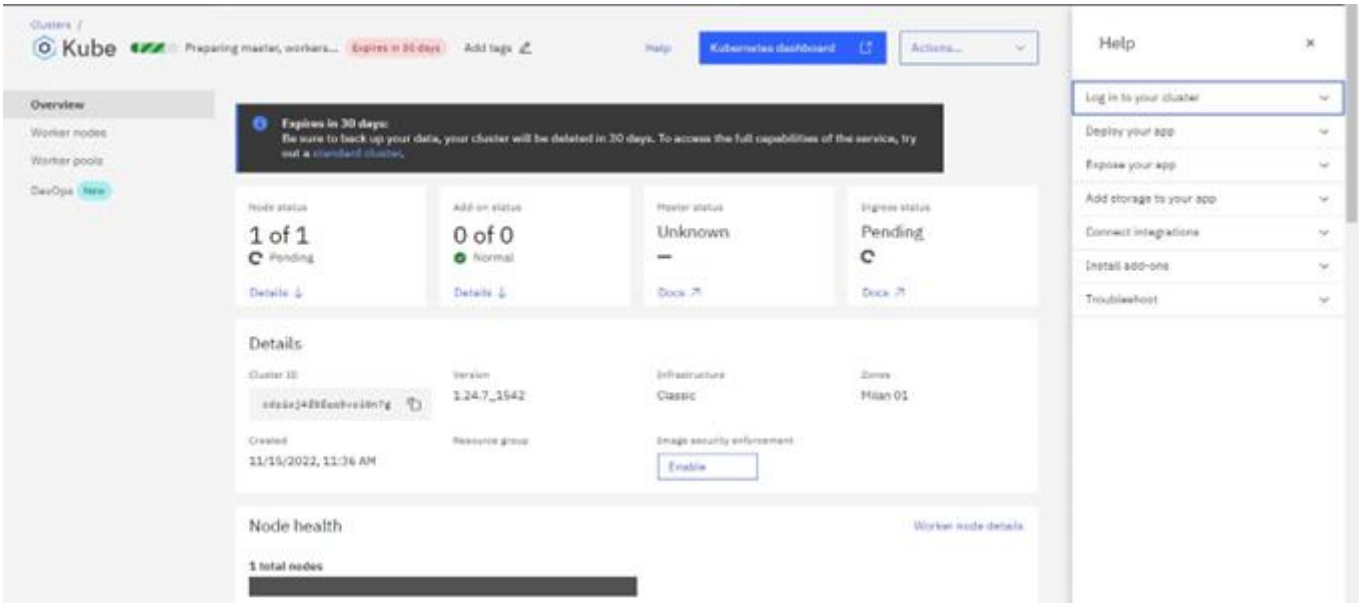


Step 3 : Select the Region where you want to deploy the cluster, type a name for your cluster, then click Create Cluster.

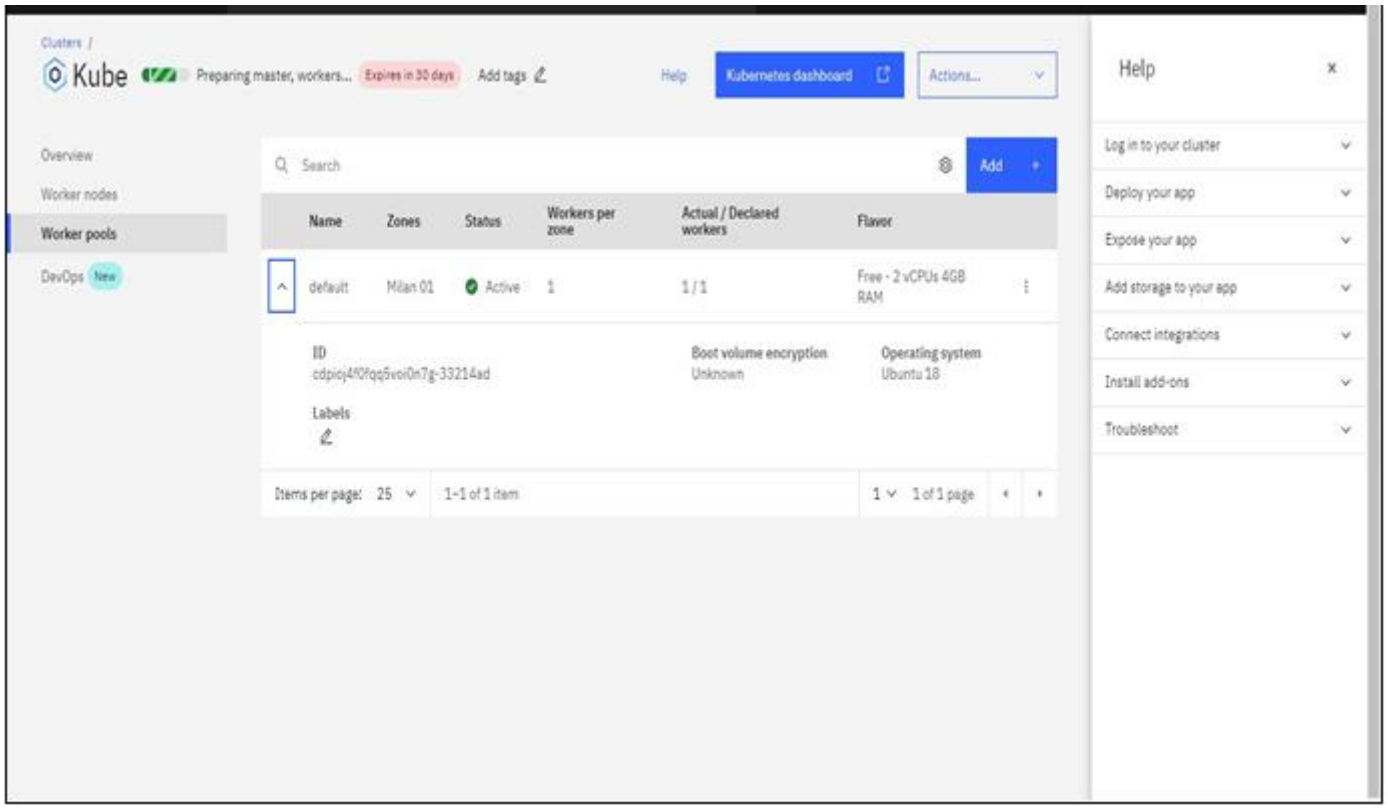
- Select the appropriate cluster type depending on your account.
- It takes some time for the cluster to get ready (around 30 minutes).



Step 4 : Once the cluster is ready, click on your cluster's name and you will be redirected to a new page with information about your cluster and workernode.



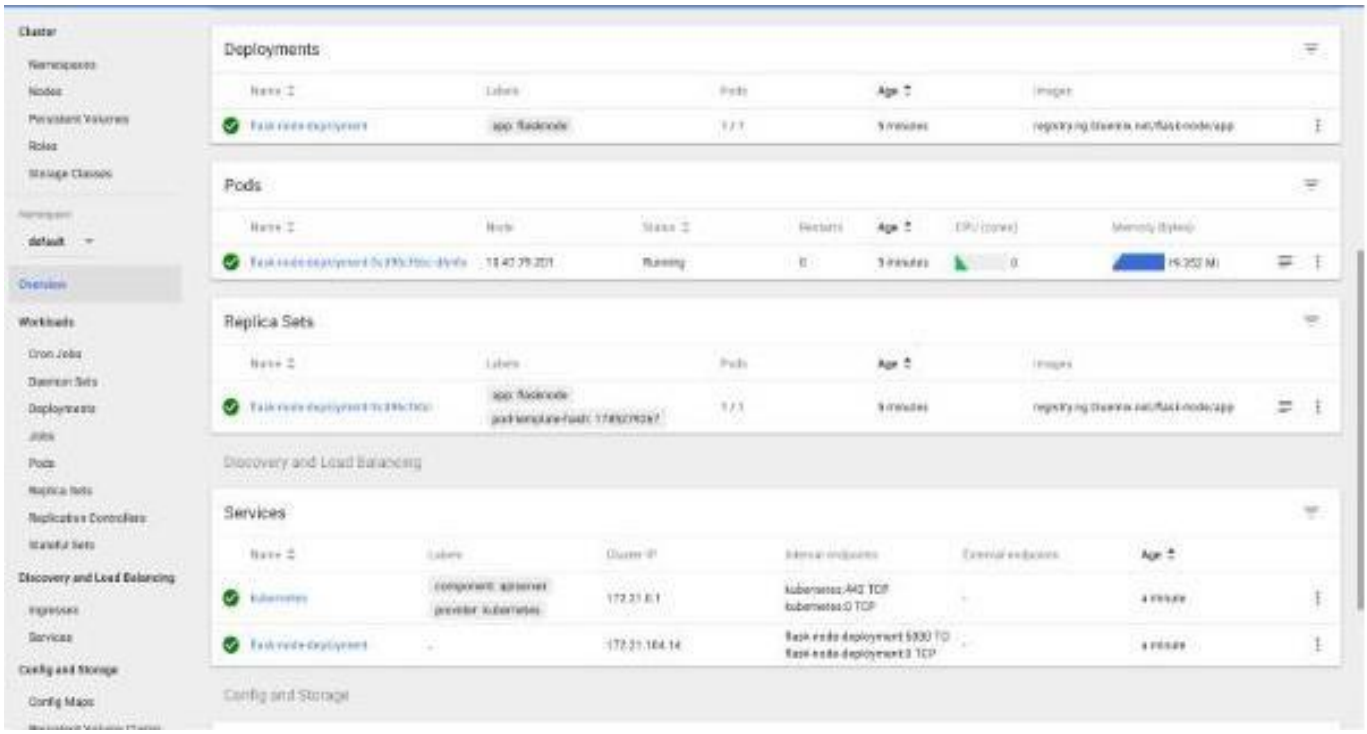
Step 5 : Click on the Worker Nodes tab to note the cluster's Public IP.



Step 6: Deploy your application to Kubernetes

- Target the IBM Cloud Kubernetes Service region where you want to work.
  ibmcloud cs region-set us-south
- Set the context for the cluster in your CLI.
  ibmcloud cs cluster-config cluster_kunal
- Verify that you can connect to your cluster by listing your worker nodes.
  kubectl get nodes
- Create the deployment.
  kubectl create -f deployment.yaml
- Create the service.
  kubectl create -f service.yaml

Step 7: Look at the Kubernetes dashboard from the IBM Kubernetes Service overview page.



Step 8: Finally, go to your browser and the Public IP of your worker node.