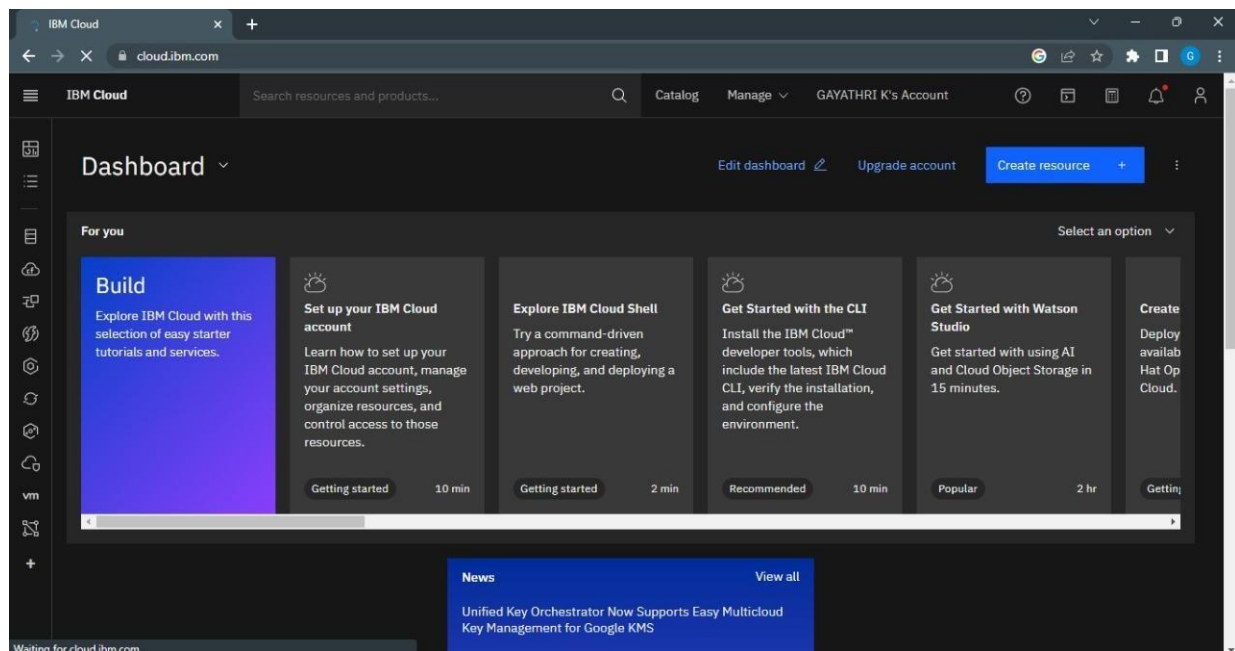


DEPLOYMENT OF APP IN IBM CLOUD

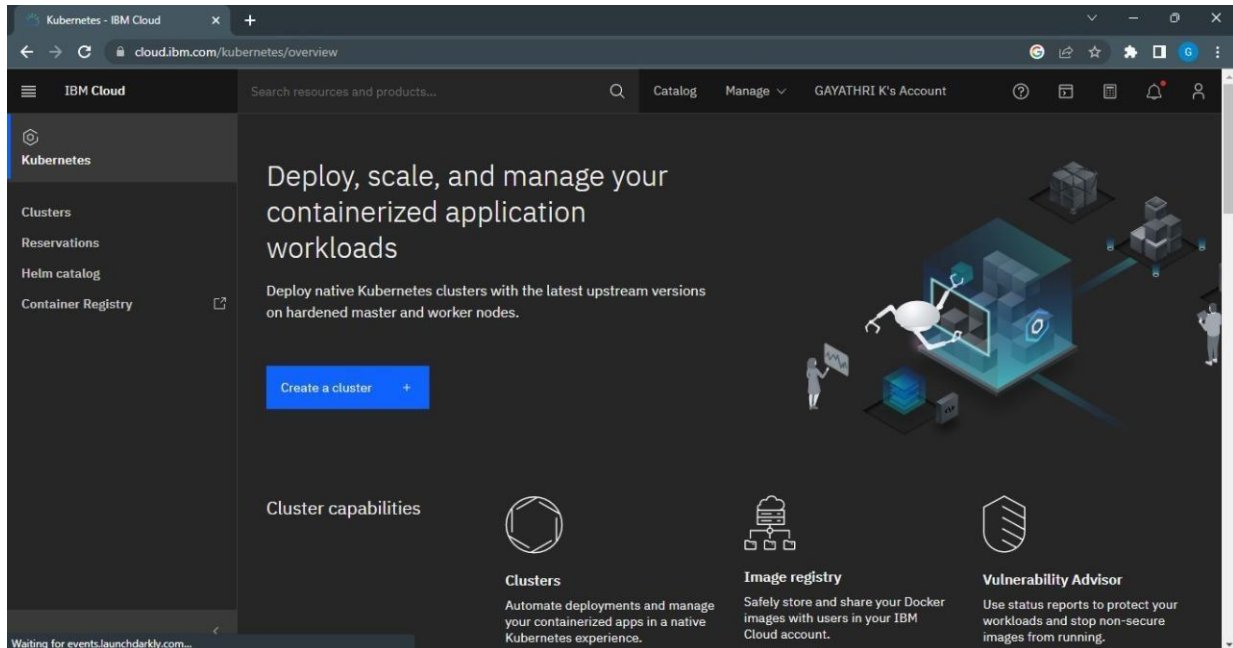
Deploying in Kubernetes Cluster

Team ID	PNT2022TMID06612
Project Name	Skill and Job Recommender Application

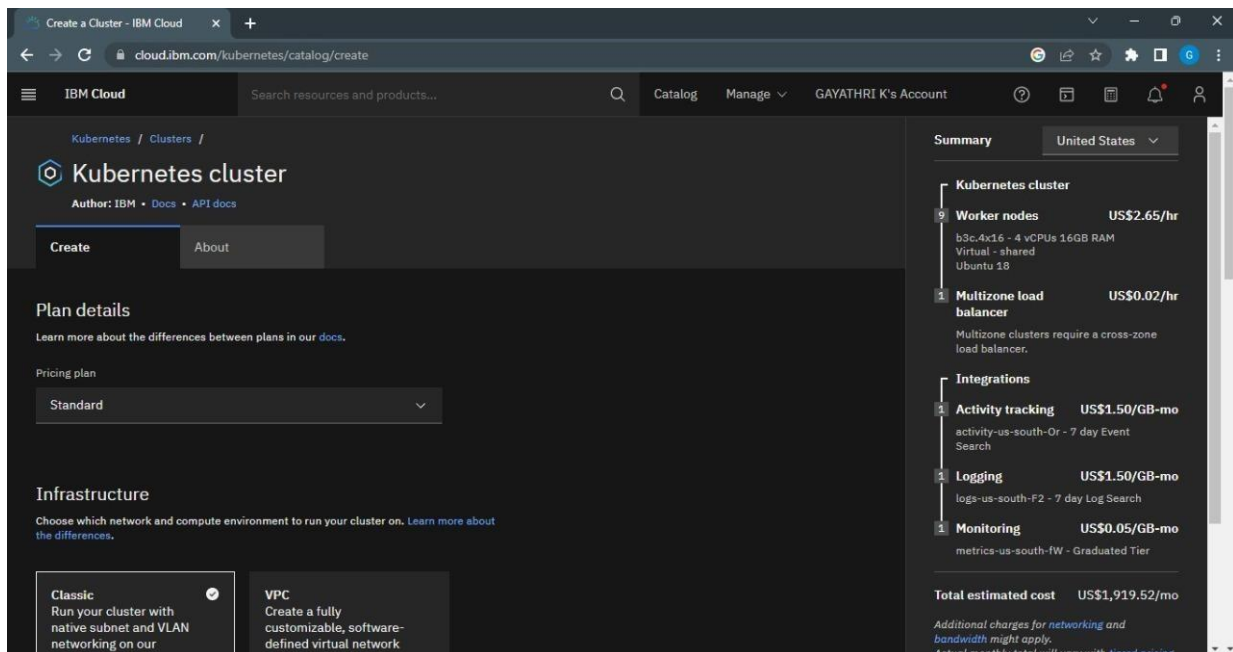
- Create a Kubernetes cluster
- Sign in to your [IBM Cloud Dashboard](#).
- Open **IBM Kubernetes Service**.



- Click **Create Cluster**.



- Select the **Region** where you want to deploy the cluster, type in 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).



- Once the cluster is ready, click on your cluster's name and you will be redirected to a newpage with information about your cluster and worker node.

The screenshot shows the IBM Cloud Kubernetes dashboard for a cluster named 'mycluster-free'. The cluster is in a 'Normal' state and is scheduled to expire in 30 days. The dashboard provides an overview of the cluster's status, including node status (1 of 1 Normal), add-on status (0 of 0 Normal), master status (Normal), and ingress status (Unknown). A details section lists the cluster ID, version (1.24.7_1542), infrastructure (Classic), and zones (Milan 01). A warning banner indicates that the cluster will be deleted in 30 days and suggests upgrading to a standard cluster.

Cluster Overview:

- Cluster Name: mycluster-free
- Status: Normal
- Expires in: 30 days
- Node status: 1 of 1 Normal
- Add-on status: 0 of 0 Normal
- Master status: Normal
- Ingress status: Unknown

Details:

- Cluster ID: cdkvur6f0lfn0pqmd1k0
- Version: 1.24.7_1542
- Infrastructure: Classic
- Zones: Milan 01
- Created: 00/11/2023 12:34
- Resource group: Default
- Image security enforcement: Enable

- Click on the **Worker Nodes** tab to note the cluster's Public IP.

The screenshot shows the IBM Cloud Kubernetes dashboard for the same cluster, but with the 'Worker nodes' tab selected. It displays a table of worker nodes with columns for Name, Status, Worker pool, Zone, Private IP, and Public IP. The table shows one worker node with ID '000000036' in a 'Normal' state, belonging to the 'default' worker pool in the 'Milan 01' zone. The node's private IP is 10.144.186.43 and its public IP is 159.122.174.76. Below the table, the node's ID and flavor (Free - 2 vCPUs 4GB RAM) are displayed.

Worker Nodes:

Name	Status	Worker pool	Zone	Private IP	Public IP
000000036	Normal	default	Milan 01	10.144.186.43	159.122.174.76

Node Details:

- ID: kube-cdkvur6f0lfn0pqmd1k0-myclusterfr-default-000000036
- Status: --
- Flavor: Free - 2 vCPUs 4GB RAM
- Private VLAN: 2218181
- Public VLAN: 2218179