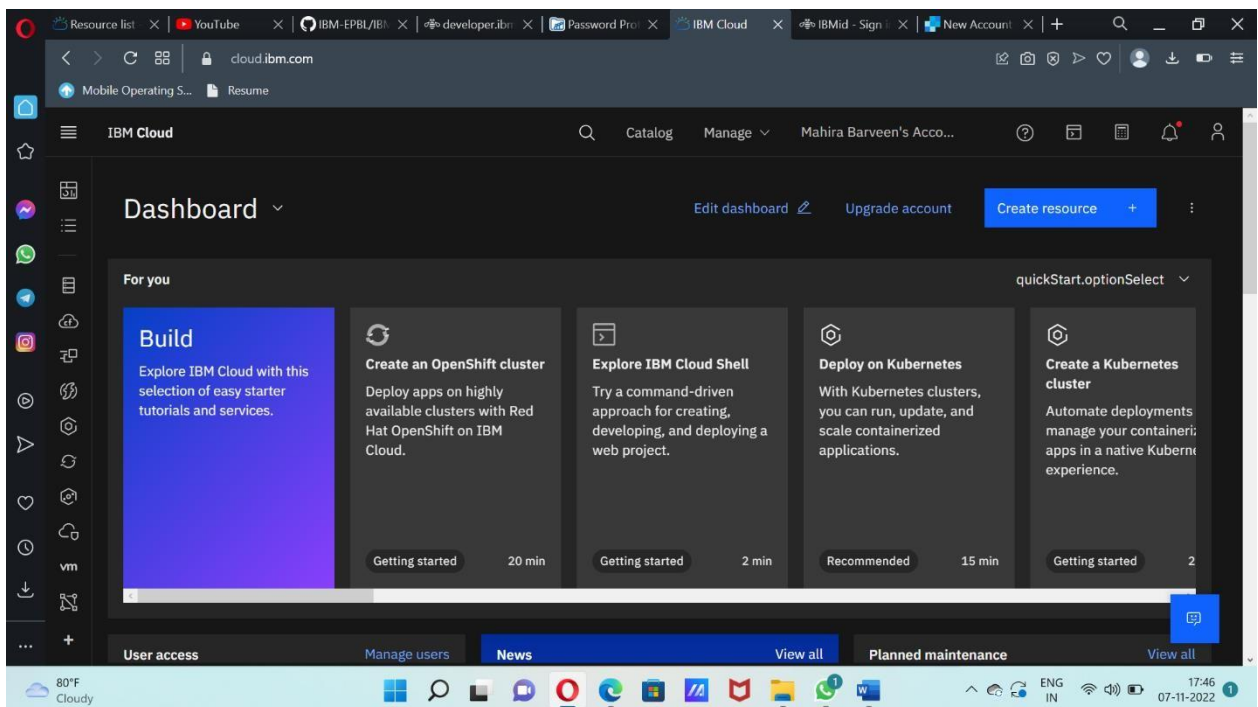


DEPLOY ON KUBERNETES

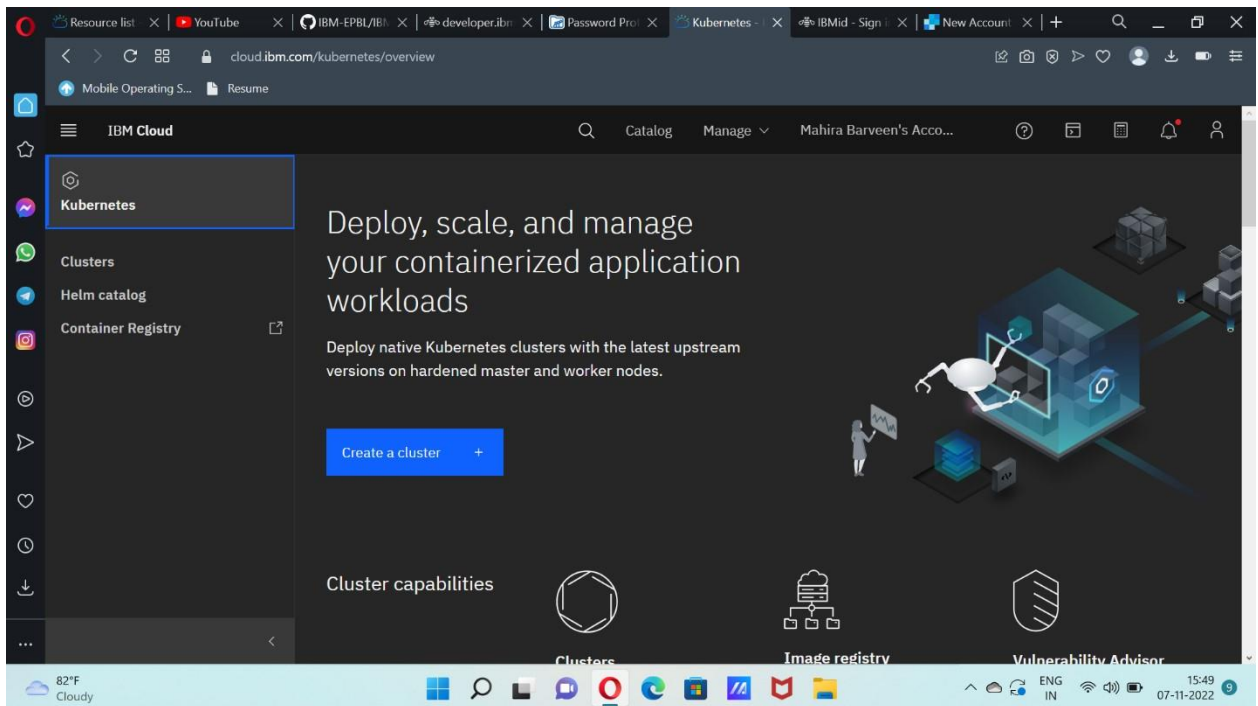
Date	9 November 2022
Team ID	PNT2022TMID48213
Project Name	Skills/Job Recommender Application

Create a Kubernetes cluster

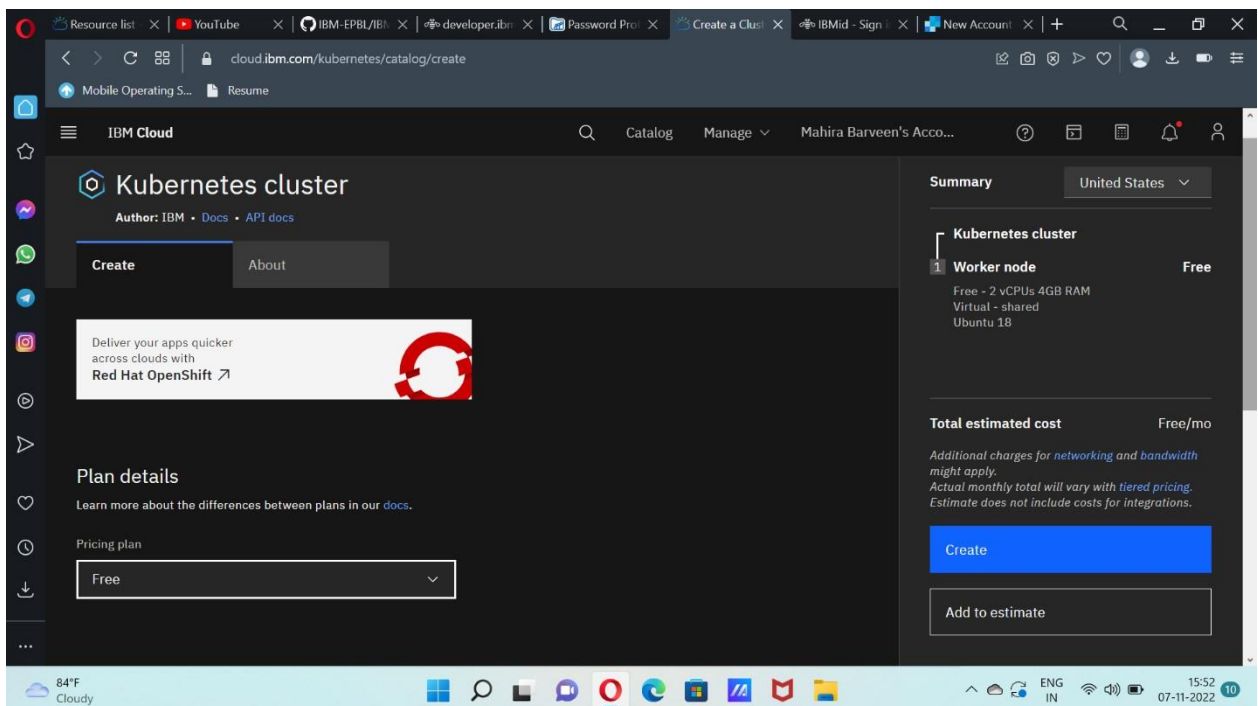
- Sign in to your [IBM Cloud Dashboard](#).
- Open **IBM Kubernetes Service**.



- 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 new page with information about your cluster and worker node.

The screenshot shows the IBM Cloud console interface. The browser address bar displays `cloud.ibm.com/kubernetes/clusters/cdkdotrf04m51eeg0ph0/overview`. The page title is "mycluster-free" with a status of "Normal" and a warning "Expires in 30 days". A sidebar on the left contains navigation links: Overview, Worker nodes, Worker pools, and DevOps (marked as "New"). The main content area features a "Kubernetes dashboard" button and an "Expires in 30 days" warning box. Below this, there are four status cards: "Node status" (1 of 1, Normal), "Add-on status" (0 of 0, Normal), "Master status" (Normal), and "Ingress status" (Unknown). A "Details" section at the bottom provides metadata: Cluster ID (cdkdotrf04m51eeg0ph0), Version (1.24.7_1542), Infrastructure (Classic), and Zones (Milan 01).

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

The screenshot shows the "Worker nodes" tab selected in the IBM Cloud console. The browser address bar displays `cloud.ibm.com/kubernetes/clusters/cdkdotrf04m51eeg0ph0/nodes`. The page shows a table of worker nodes. The first node is named "000000ea" with a status of "Normal", belonging to the "default" worker pool in the "Milan 01" zone. Its private IP is 10.144.185.134 and its public IP is 159.122.187.191. Below the table, a detailed view of the selected node shows its ID as `kube-cdkdotrf04m51eeg0ph0-myclusterfr-default-000000ea` and its flavor as "Free - 2 vCPUs 4GB RAM".

Pool	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
Filter...	000000ea	Normal	default	Milan 01	10.144.185.134	159.122.187.191	1.24.6_1541

Additional details for the selected node:

- ID: kube-cdkdotrf04m51eeg0ph0-myclusterfr-default-000000ea
- Status: --
- Flavor: Free - 2 vCPUs 4GB RAM
- Private VLAN: 2218181
- Public VLAN: 2218179