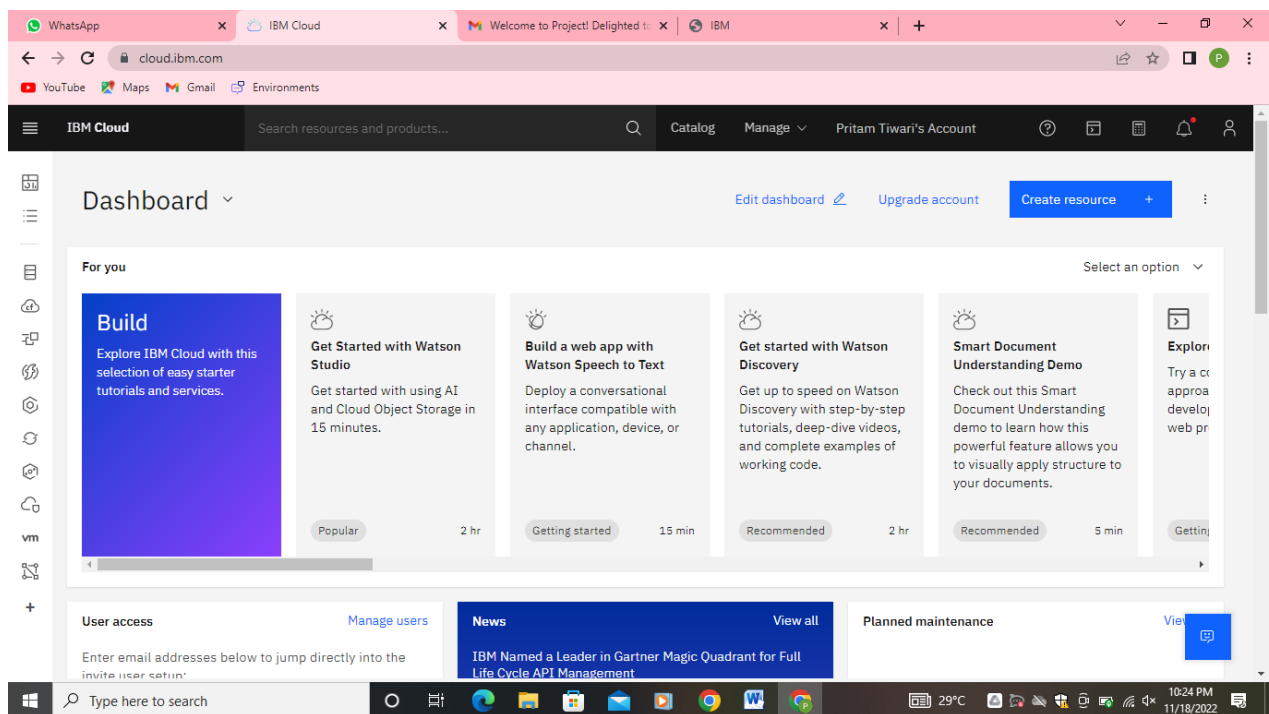


Team ID	PNT2022TMID30095
Project Name	Skill/Job Recommended Application

## Steps

### Create a kubernetes cluster

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



- Click **Create Cluster**
- Select **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 cluster to get ready .

This screenshot shows the 'Create a Cluster' page on the IBM Cloud website. The browser tabs include 'WhatsApp', 'Create a Cluster - IBM Cloud', 'Welcome to Project! Delighted to...', and 'IBM'. The address bar shows 'cloud.ibm.com/kubernetes/catalog/create'. The page header features the IBM Cloud logo, a search bar, and navigation links for 'Catalog', 'Manage', and 'Pritam Tiwari's Account'. The main content area is titled 'Kubernetes cluster' with 'Author: IBM' and links to 'Docs' and 'API docs'. There are 'Create' and 'About' tabs. A banner for 'Red Hat OpenShift' is visible. The 'Plan details' section includes a 'Pricing plan' dropdown set to 'Free'. A 'Kubernetes version' dropdown is also present. On the right, a 'Summary' sidebar for 'United States' shows a 'Worker node' plan that is 'Free' with specifications: 'Free - 2 vCPUs 4GB RAM', 'Virtual - shared', and 'Ubuntu 18'. It also displays the 'Total estimated cost' as 'Free/mo' and includes a 'Create' button and an 'Add to estimate' button. The Windows taskbar at the bottom shows the time as 10:14 PM on 11/18/2022.

This screenshot shows the 'Overview' page for a newly created Kubernetes cluster named 'mycluster-free'. The browser tabs include 'WhatsApp', 'mycluster-free - IBM Cloud', 'Welcome to Project! Delighted to...', and 'IBM'. The address bar shows 'cloud.ibm.com/kubernetes/clusters/cdrccff0385pu3om1og/overview'. The page header is consistent with the previous screenshot. The main content area shows the cluster status as 'Preparing master, workers...' with a progress bar and a warning that the cluster 'Expires in 30 days'. A 'Kubernetes dashboard' button is available. The 'Overview' sidebar lists 'Worker nodes', 'Worker pools', and 'DevOps' (marked as 'New'). The main content area displays four status boxes: 'Node status' (1 of 1 Pending), 'Add-on status' (0 of 0 Normal), 'Master status' (Unknown), and 'Ingress status' (Pending). Below these is a 'Details' section with a table showing cluster information: Cluster ID (cdrccff0385pu3), Version (1.24.8\_1544), Infrastructure (Classic), and Zones (Milan 01). The Windows taskbar at the bottom shows the time as 10:15 PM on 11/18/2022.

- Once the cluster is ready, click on your clusters name and you will be redirected to a new page 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 the 'Preparing master, workers...' state. A table lists the worker nodes, with one node visible: '00000006f' in the 'Provisioning - Infrastructu...' state, belonging to the 'default' worker pool in the 'Milan 01' zone. The node has a private IP of '10.144.216.13' and a public IP of '159.122.178.2'. The dashboard includes a sidebar with navigation options like 'Overview', 'Worker nodes', 'Worker pools', and 'DevOps'. A 'Help' sidebar on the right lists various actions like 'Log in to your cluster', 'Deploy your app', etc. The bottom of the image shows a Windows taskbar with the date and time as 10:18 PM on 11/18/2022.

Name	Status	Worker pool	Zone	Private IP	Public IP
00000006f	Provisioning - Infrastructu...	default	Milan 01	10.144.216.13	159.122.178.2

- Click on the Worker Nodes tab to note the clusters Public IP.