

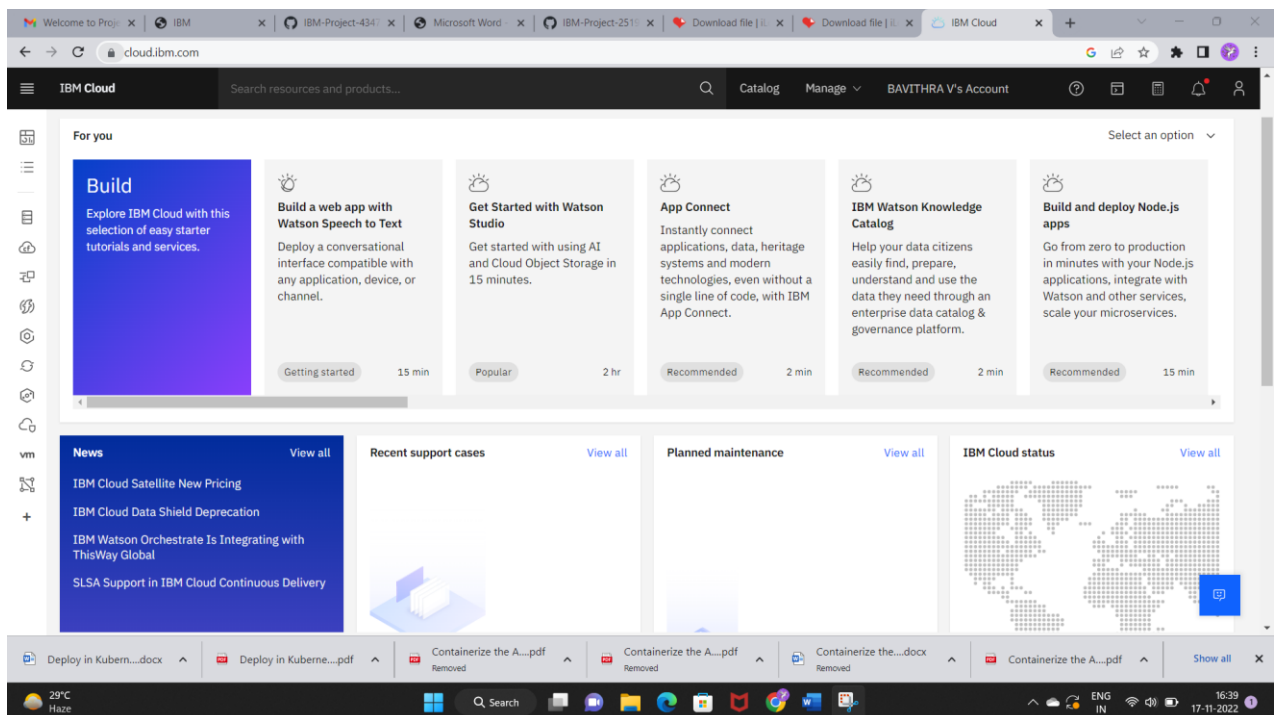
## Deploy in Kubernetes Cluster

Date	12 November 2022
Team ID	PNT2022TMID12203
Project Name	Skills/Job Recommender Application

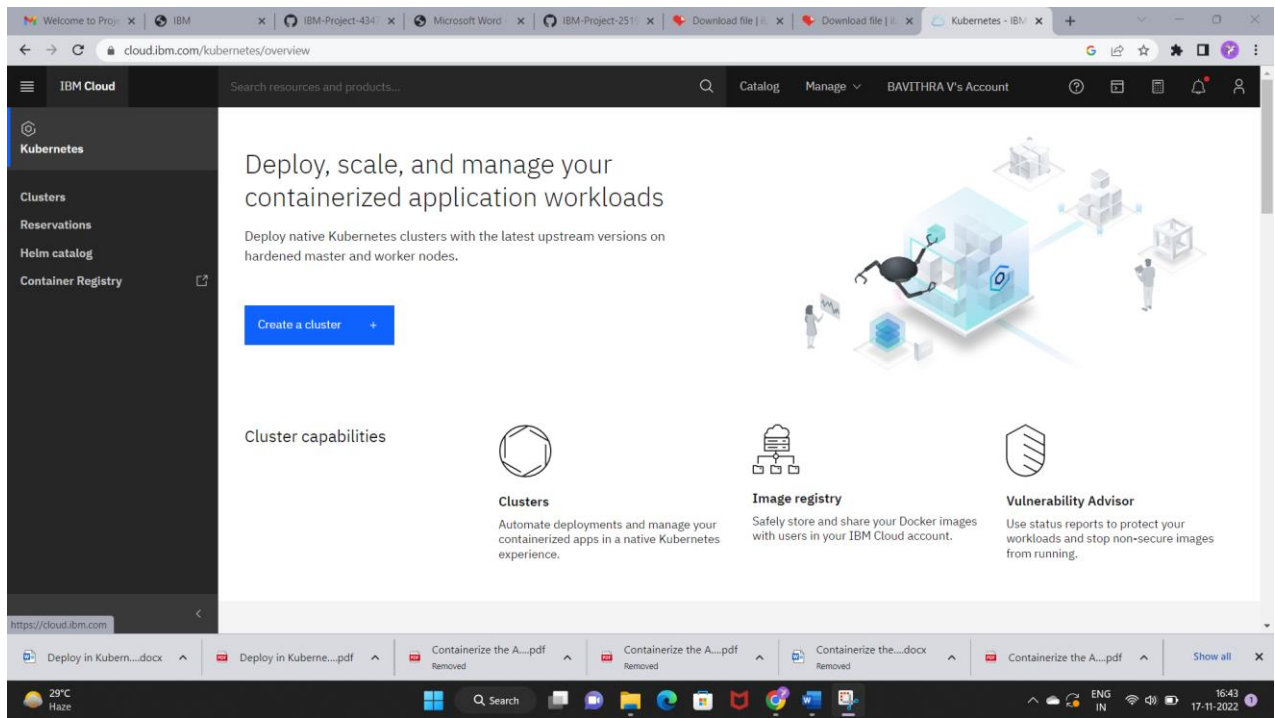
## Steps

### Create a Kubernetes cluster

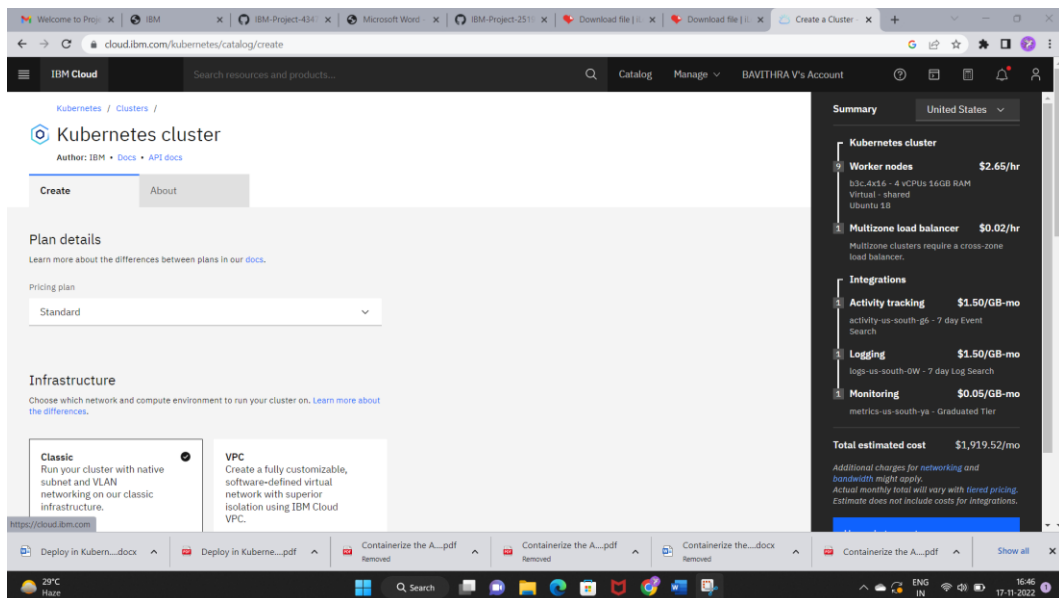
- Sign in to your [IBM Cloud Dashboard](#).
- Open **IBM Kubernetes Service**.



- 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 Kubernetes Clusters overview page for a cluster named 'mycluster-free'. The cluster is in a 'Preparing master, workers...' state and will expire in 30 days. The page displays the following status information:

Node status	Add-on status	Master status	Ingress status
1 of 1 Pending	Error Unknown	Unknown	Pending

Details:

Cluster ID	Version	Infrastructure	Zones
cd11hoff05a69u61s24g	1.24.8_1544	Classic	Milan 01

Created: 11/17/2022, 4:50 PM. Resource group: [Link]. Image security enforcement: [Enable].

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

The screenshot shows the IBM Cloud Kubernetes Clusters Worker Nodes page for the same cluster. It displays a table of worker nodes with the following data:

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000004e	Provisioning - Infrastructu...	default	Milan 01	10.144.213.48	169.51.204.114	1.24.7_1543

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