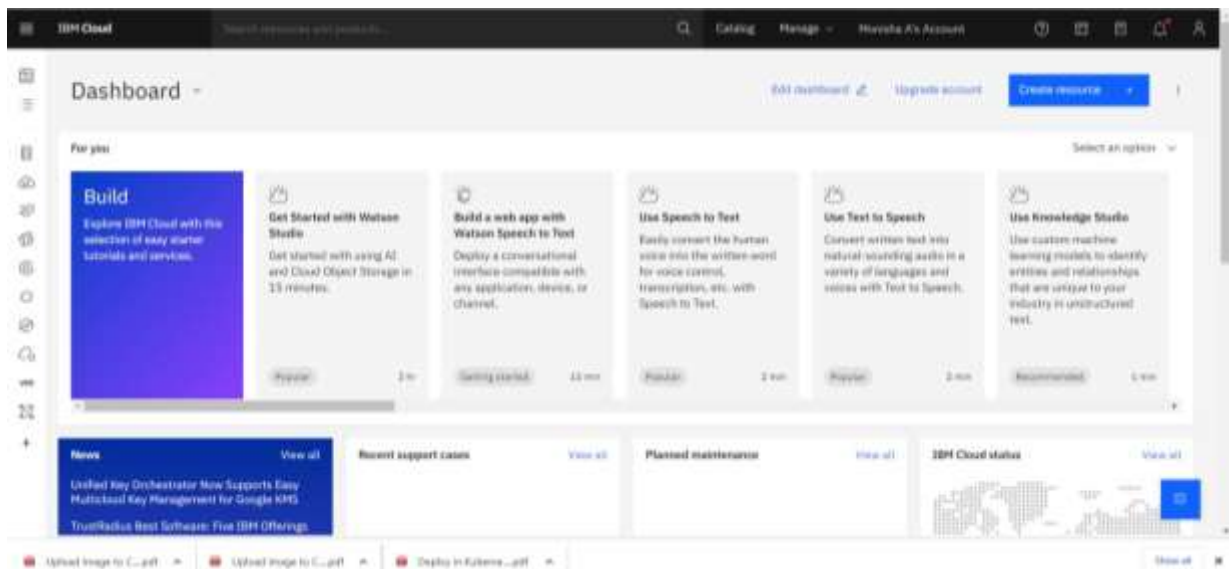


## DEPLOY ON KUBERNETES

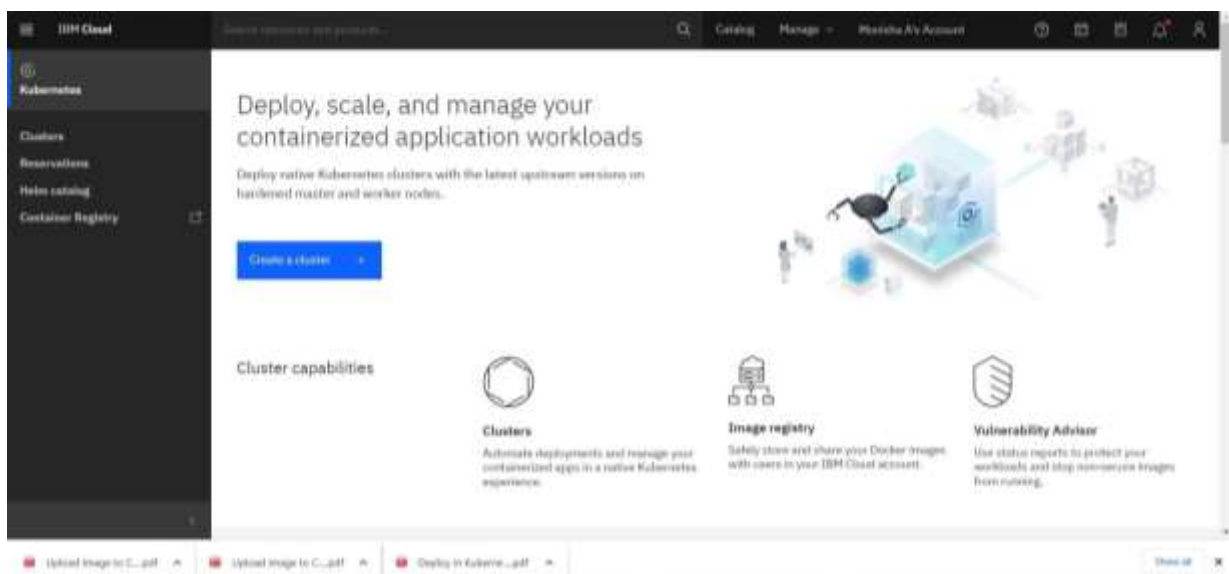
Date	17 November2022
Team ID	PNT2022MID48213
Project Name	Skills/Jobs Recommender Application

### Create a Kubernetes cluster

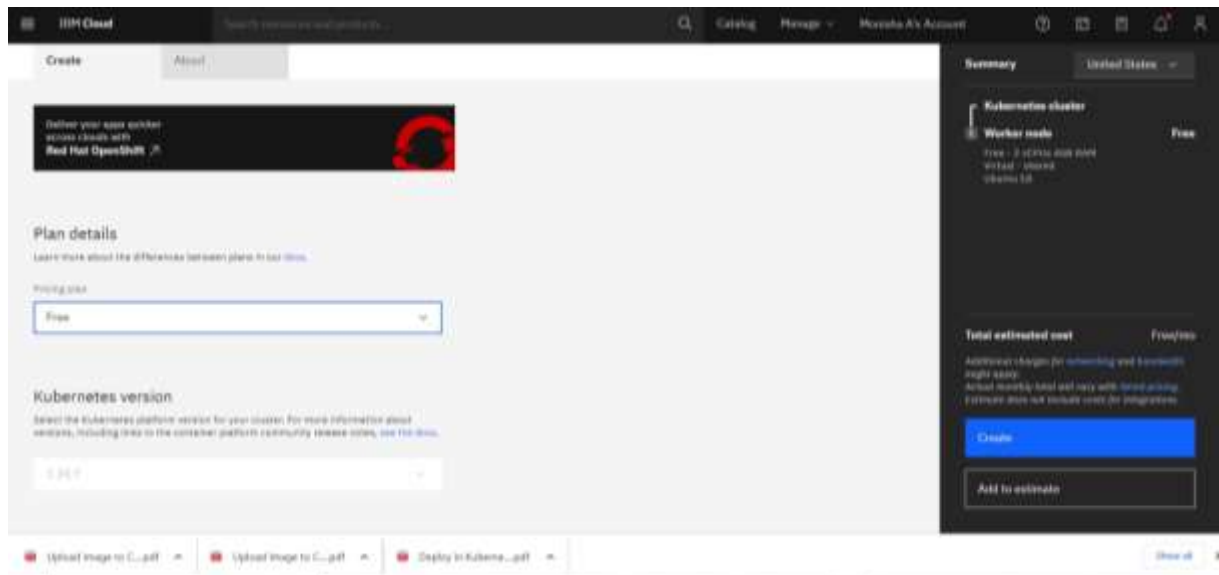
- Sign in to your [IBM Cloud Dashboard](#).
- Open **IBM Kubernetes Service**.



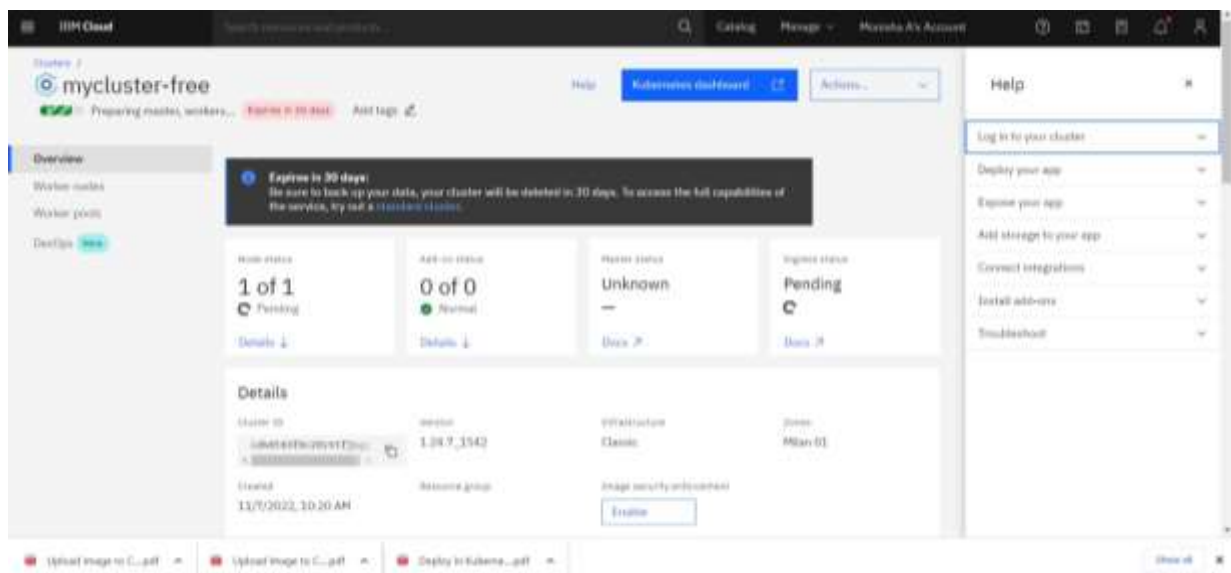
- Click **Create Cluster**.



- 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.



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

IBM Cloud console showing the 'mycluster-free' cluster details. The 'Worker nodes' tab is selected, displaying a table with columns: Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. One worker node is listed with a status of 'Provisioning pending...'. Below the table, details for the selected node are shown, including its ID, status, flavor (Free - 2 vCPUs 4GB RAM), private VLAN, and public VLAN. A sidebar on the right contains a 'Help' section with links like 'Log in to your cluster', 'Deploy your app', etc.

Kubernetes dashboard showing the 'Workloads' section. The 'Workload Status' section displays three green circles representing Deployments, Pods, and Replica Sets, all labeled 'Running 3'. Below this, the 'Deployments' table lists two deployments: 'dashboard-metrics-scraper' and 'kubernetes-dashboard', both with a status of 'Running' and 1/1 pods.

kubernetes

kubernetes das .

Search

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Workloads

Workloads

Cluster Jobs

Demon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses

Ingress Clusters

Services

Config and Storage

Config Maps

Deployments

Name	Images	Labels	Pods	Created
dashboard-metrics-scraper	kubernetes/metrics-scraper:v1.0.3	k8s-app: dashboard-metrics-scraper	1 / 1	3.09w ago
kubernetes-dashboard	kubernetes/dashboard:v2.6.1	k8s-app: kubernetes-dashboard	1 / 1	3.08w ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
dashboard-metrics-scraper-44bccc71v-c39kw	kubernetes/metrics-scraper:v1.0.3	k8s-app: dashboard-metrics-scraper pod-template-hash: 64b0cc71c	docker-desktop	Running	0			3.09w ago
kubernetes-dashboard-66c867f79-kp2n	kubernetes/dashboard:v2.6.1	k8s-app: kubernetes-dashboard pod-template-hash: 8cc837f79	docker-desktop	Running	0			3.08w ago