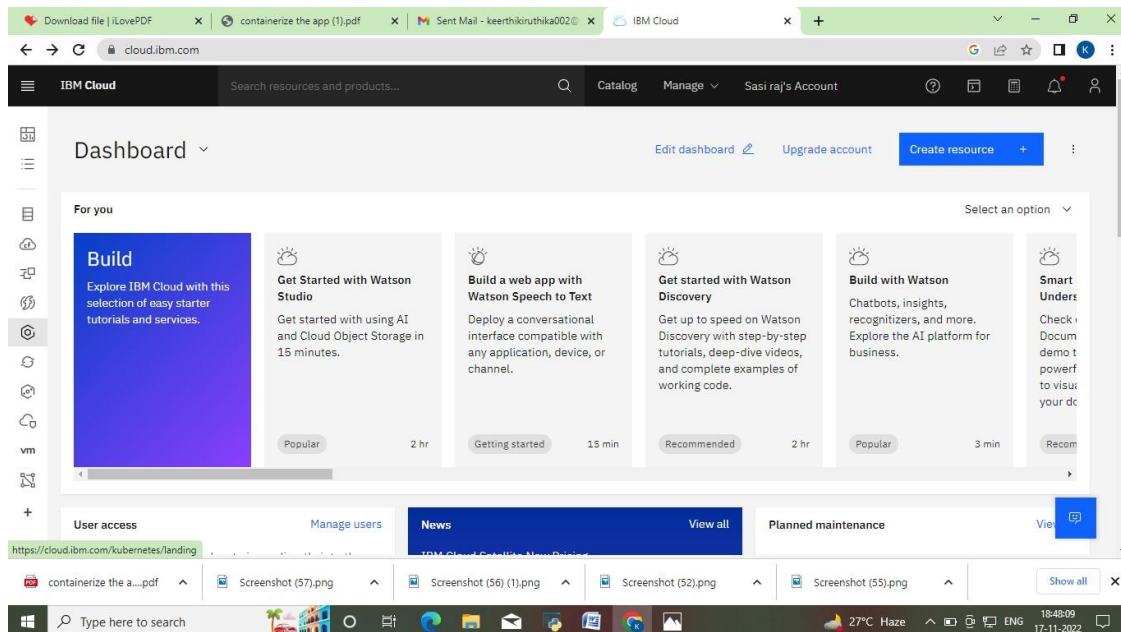


Deploy in Kubernetes Cluster

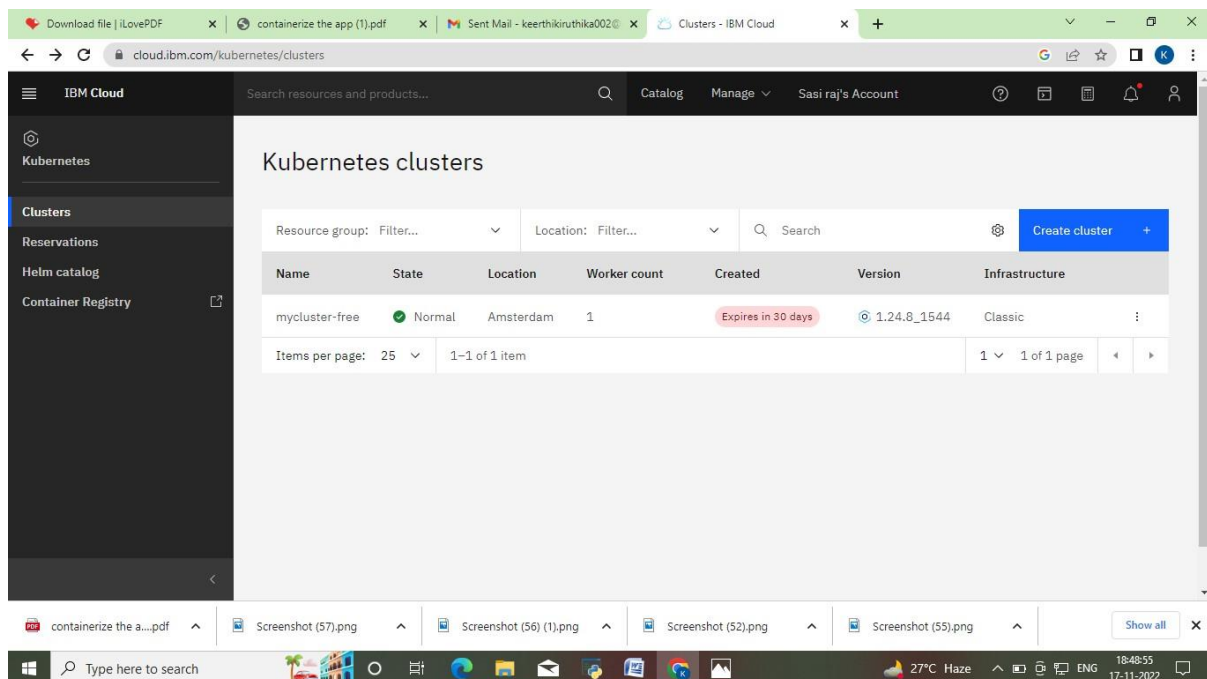
Task	TSK-415563
Team ID	PNT2022TMID44585
Project Name	News Tracker Application
Date	17.11.2022

Steps For Creating Kubernetes cluster

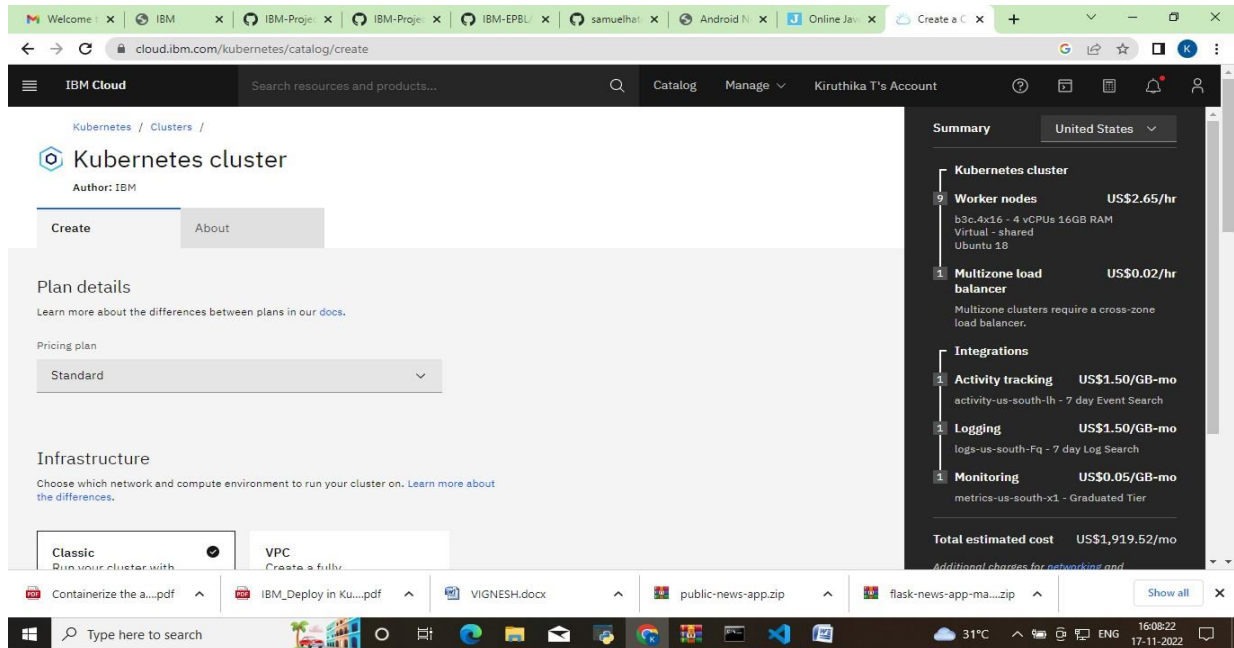
- Sign in to your [IBM Cloud Dashboard](#).
- Open **IBM Kubernetes Service**.



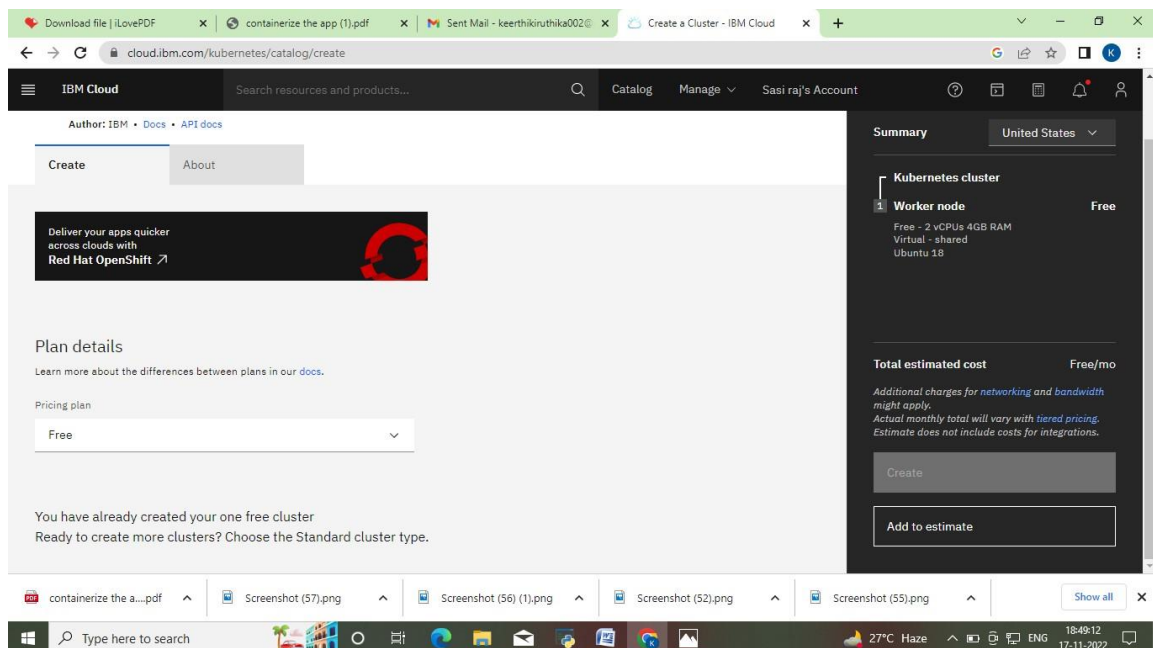
- Click Create Cluster.



- 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.

The screenshot shows the IBM Cloud console for a Kubernetes cluster named 'mycluster-free'. The cluster is in the 'Preparing master, workers...' state. A warning banner indicates it expires in 30 days. The overview section shows the cluster status as 'Error' (Unknown) and the ingress status as 'Pending'. The details section lists the cluster ID, version (1.24.8_1544), infrastructure (Classic), and zones (Milan 01).

Cluster Overview:

- Cluster Name: mycluster-free
- Status: Preparing master, workers...
- Expires in: 30 days
- Node status: 1 of 1 Pending
- Add-on status: Error (Unknown)
- Master status: Unknown
- Ingress status: Pending
- Cluster ID: cdr116cf087v7u1
- Version: 1.24.8_1544
- Infrastructure: Classic
- Zones: Milan 01

The screenshot shows the 'Worker nodes' tab for the 'mycluster-free' cluster. It displays a table of worker nodes with columns for Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. One node is listed with status 'Deploying - Starting...'. Below the table, the node's ID and configuration details are shown.

Worker Nodes Table:

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000079	Deploying - Starting...	default	Milan 01	10.144.213.49	169.51.203.70	1.24.7_1543

Node Details:

- ID: kube-cdp3st1f0mtg7in50hbg-myclusterfr-default-00000079
- Status: Starting worker deployment
- Flavor: Free - 2 vCPUs 4GB RAM
- Private VLAN: 2218181
- Public VLAN: 2218179