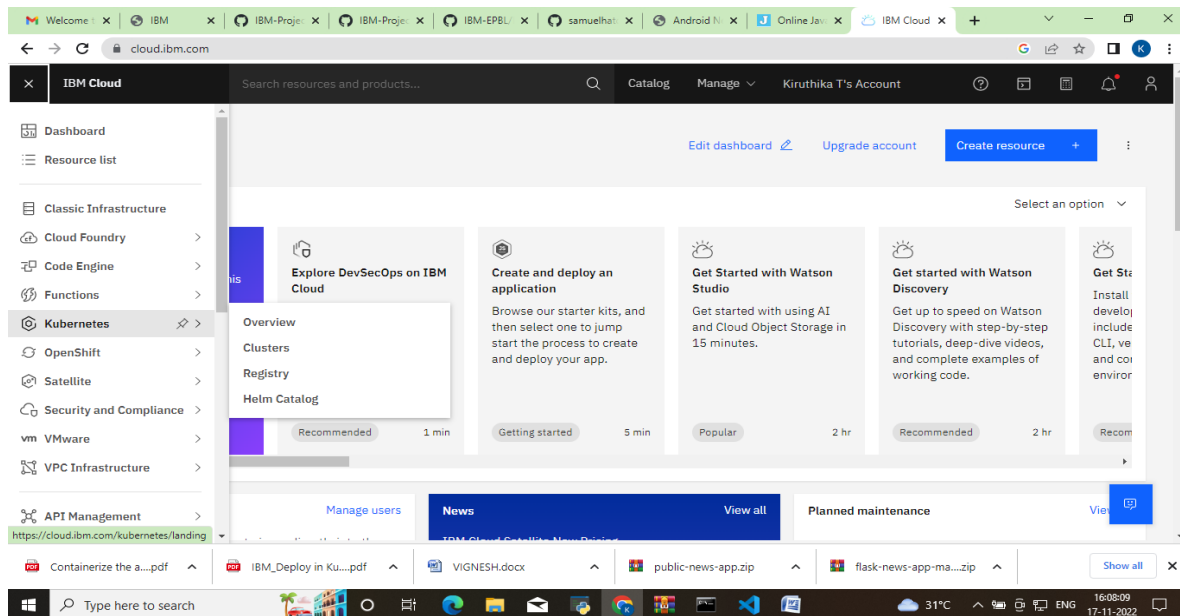


Deploy in Kubernetes Cluster

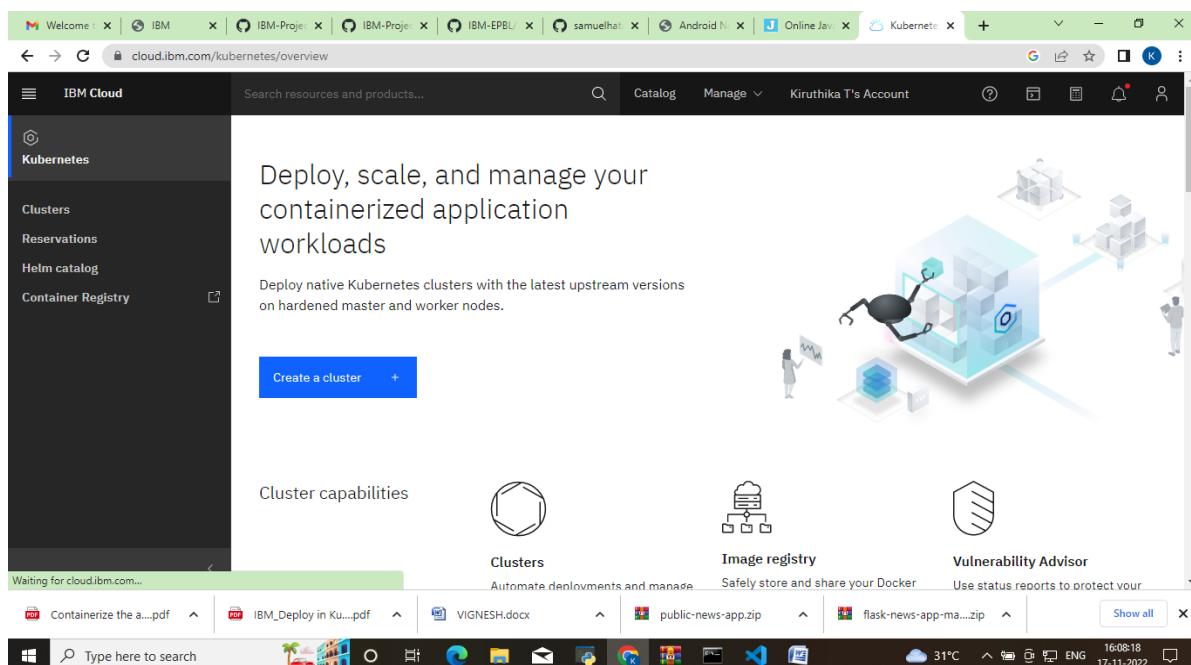
Task	TSK-290915
Team ID	PNT2022TMID44585
Project Name	News Tracker Application
Date	17.11.2022

Steps For Creating Kubernetes cluster

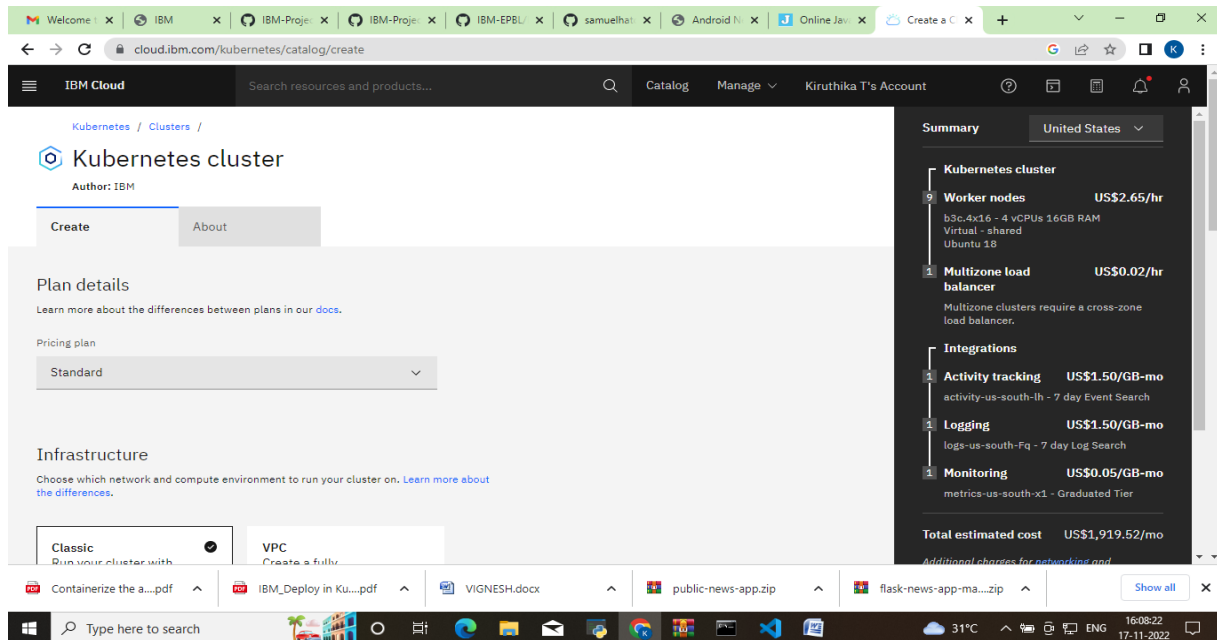
- Sign in to your [IBM Cloud Dashboard](#).
- Open **IBM Kubernetes Service**.



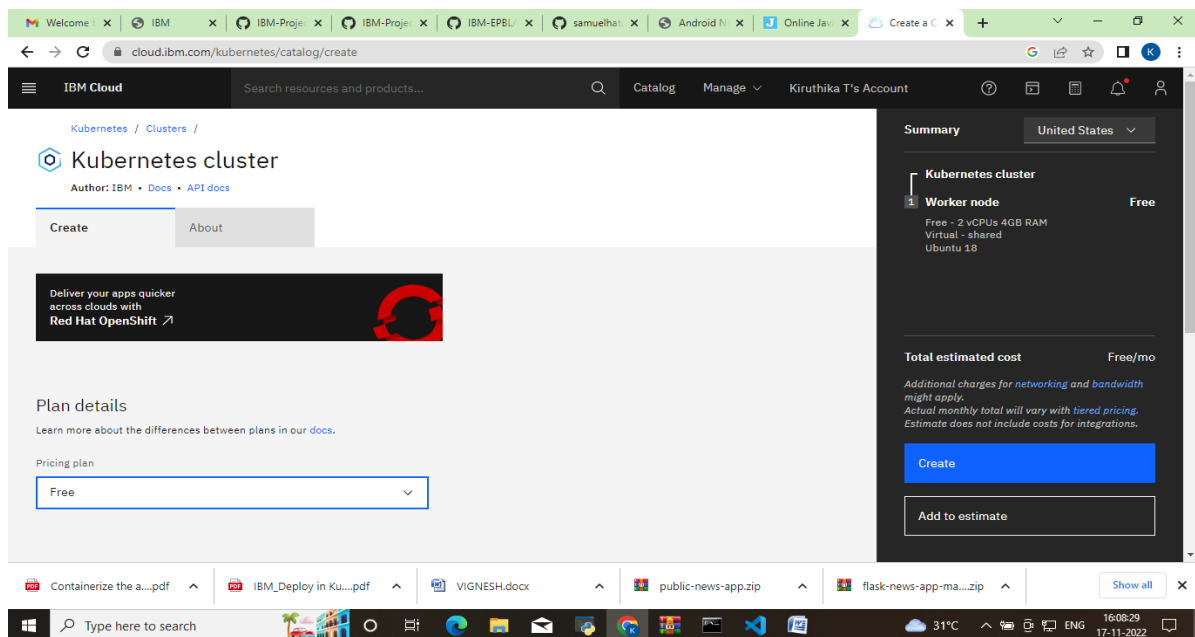
- Click **Create Cluster**.



- 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 Clusters overview page for a cluster named 'mycluster-free'. The cluster is in the 'Preparing master, workers...' state and expires in 30 days. The overview section displays four status cards: Node status (1 of 1 Pending), Add-on status (Error Unknown), Master status (Unknown), and Ingress status (Pending). A warning banner indicates that the cluster will be deleted in 30 days. The details section shows the Cluster ID, Version (1.24.8_1544), Infrastructure (Classic), and Zones (Milan 01). A sidebar on the right contains a 'Help' menu with options like 'Log in to your cluster', 'Deploy your app', and 'Troubleshoot'.

The screenshot shows the IBM Cloud Clusters Worker nodes page for the same cluster. The 'Worker nodes' tab is selected in the left sidebar. The page displays a table of worker nodes with columns for Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. A single worker node is listed with ID '00000079', status 'Deploying - Starting...', and a public IP of '169.51.203.70'. Below the table, additional details for the selected node are shown, including its ID, status, flavor, and VLANs.

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

Additional details for the selected node:

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