

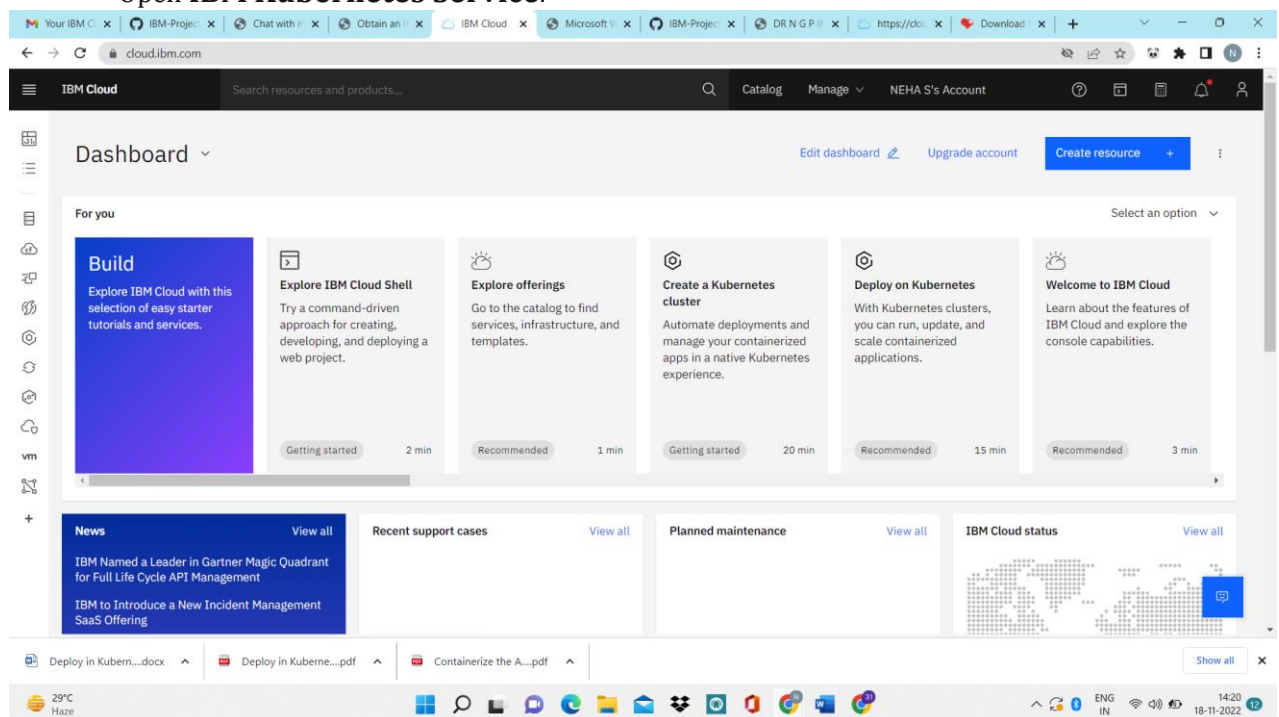
Deploy in Kubernetes Cluster

Date	8 November 2022
Team ID	PNT2022TMID31521
Project Name	Skills/Job Recommender Application

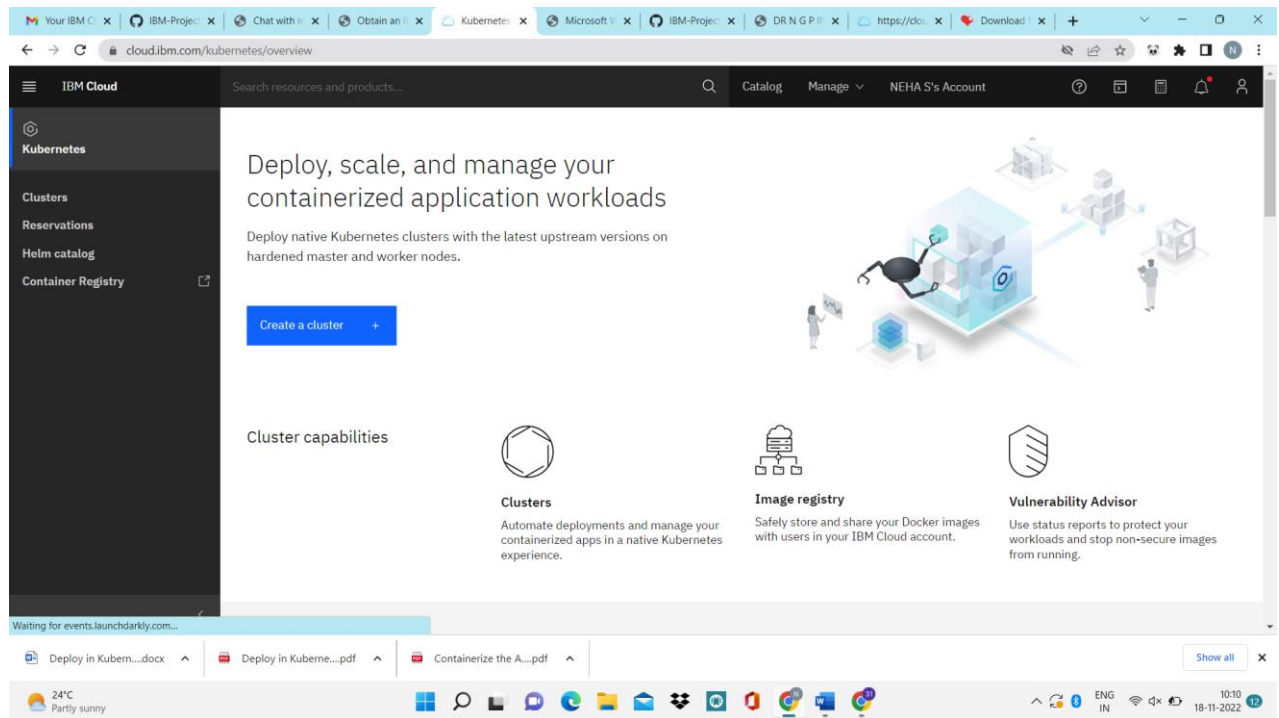
Steps

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

The screenshot shows the IBM Cloud 'Kubernetes cluster' creation page. The browser address bar shows 'cloud.ibm.com/kubernetes/catalog/create'. The page has a dark header with 'IBM Cloud' and a search bar. Below the header, there's a 'Catalog /' breadcrumb and the title 'Kubernetes cluster' with links to 'Author: IBM', 'Docs', and 'API docs'. There are two tabs: 'Create' (active) and 'About'. A banner for 'Red Hat OpenShift' is visible. The 'Plan details' section shows a 'Pricing plan' dropdown set to 'Free'. Below that, the 'Kubernetes version' section is partially visible. On the right, a 'Summary' sidebar shows 'Kubernetes cluster' with a 'Worker node' plan for 'Free' (2 vCPUS, 4GB RAM). It also displays 'Total estimated cost' as 'Free/mo' and includes a disclaimer about additional charges for networking and bandwidth. At the bottom of the sidebar are 'Create' and 'Add to estimate' buttons. The bottom of the page shows a taskbar with various application icons and a system tray with weather and date information.

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 'mycluster-free' dashboard. The browser address bar shows 'cloud.ibm.com/kubernetes/catalog/create'. The page has a dark header with 'IBM Cloud' and a search bar. Below the header, there's a 'Clusters /' breadcrumb and the title 'mycluster-free'. There's a status bar showing 'Preparing master, workers...' and 'Expires in 30 days'. A 'Help' button and a 'Kubernetes dashboard' link are visible. On the left, there's a sidebar with 'Overview' (selected), 'Worker nodes', 'Worker pools', and 'DevOps'. The main content area shows a 'Node status' section with '1 of 1' nodes in 'Pending' state. Below that, there's a 'Details' section with fields for 'Cluster ID', 'Version', 'Infrastructure', 'Zones', 'Created', 'Resource group', and 'Image security enforcement'. At the bottom, there's a 'Node health' section showing '1 total nodes' and a progress bar. On the right, there's a 'Help' sidebar with links to 'Log in to your cluster', 'Deploy your app', 'Expose your app', 'Add storage to your app', 'Connect integrations', 'Install add-ons', and 'Troubleshoot'.

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DevOps New

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Add

	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input type="checkbox"/>	0000001d	Provision pending - Preparing to...	default	Milan 01			1.24.6 1541
<div>ID kube-cdju6frf04fu8roh9rb0-myclusterfr-default-0000001d</div> <div>Status Preparing to provision worker</div> <div>Flavor Free - 2 vCPUs 4GB RAM</div> <div>Private VLAN 2218181</div> <div>Public VLAN 2218179</div>							

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