

DEPLOYMENT OF APP IN IBM CLOUD

Deploy in kubernetes cluster

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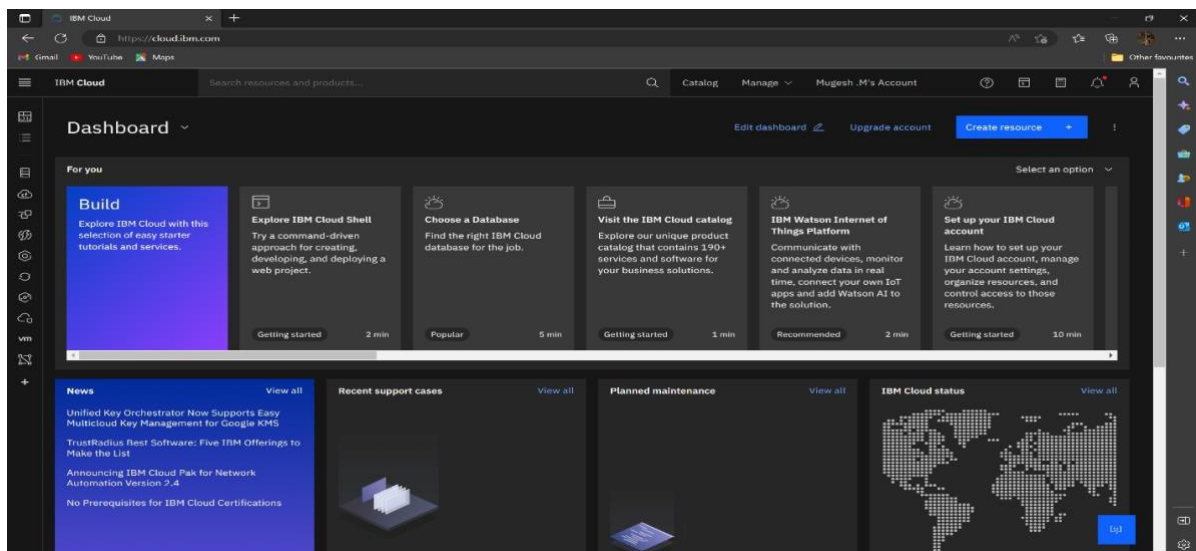
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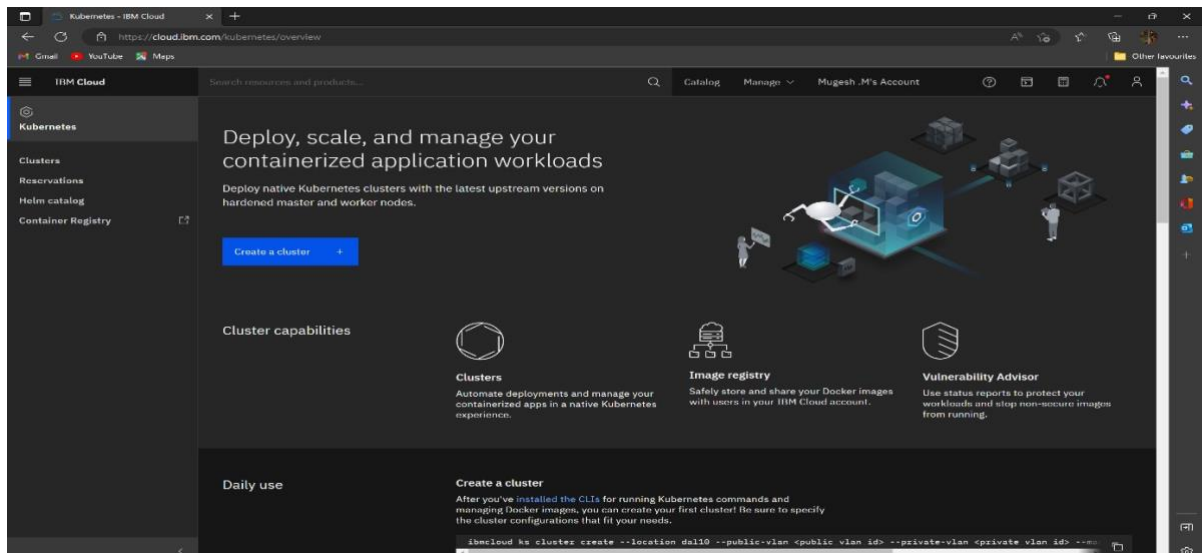
Steps

Create a Kubernetes cluster

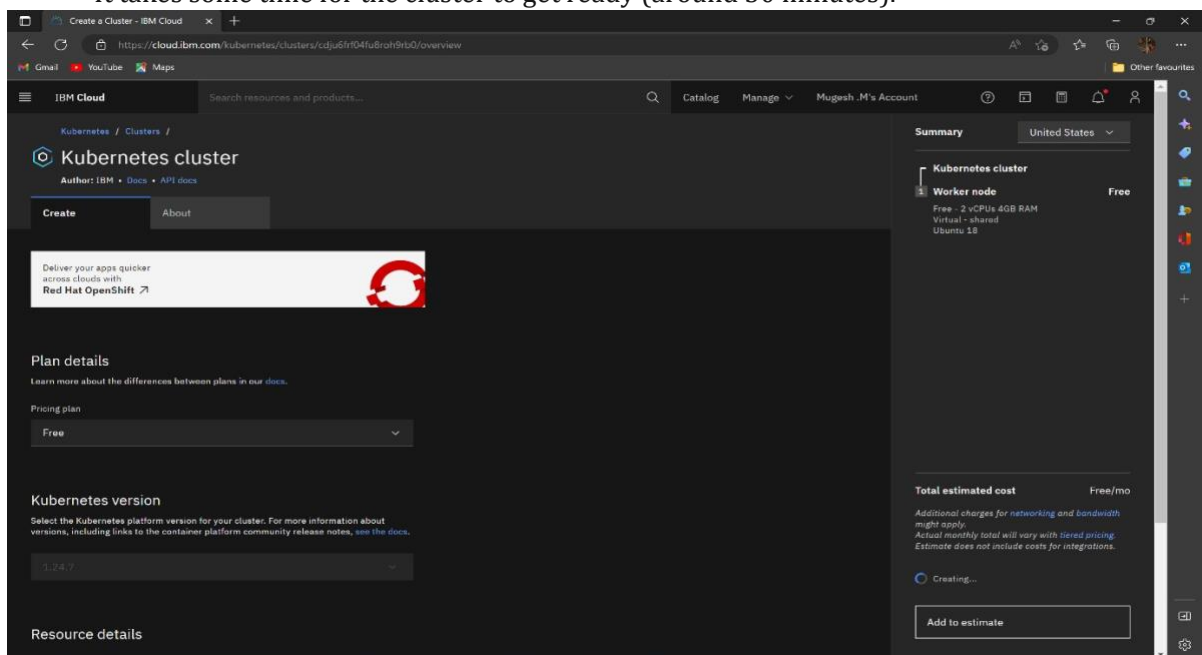
- Sign in to your [IBM Cloud Dashboard](https://cloud.ibm.com).
- Open **IBM Kubernetes Service**.



- 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 dashboard for a free cluster. The cluster is in a 'Preparing master, workers...' state and expires in 30 days. The dashboard includes a sidebar with navigation options like Overview, Worker nodes, Worker pools, and DevOps. The main content area displays cluster details such as Node status (1 of 1 Pending), Add-on status (0 of 0 Normal), Master status (Unknown), and Ingress status (Pending). It also shows a Node health bar indicating 1 total node with 100% Pending status. A 'Details' section provides information about the Cluster ID, Version (1.24.7_1542), Infrastructure (Classic), Zones (Milan 01), Created time (06/11/2022, 22:09), Resource group, and Image security enforcement (Enable).

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

This screenshot shows the 'Worker nodes' tab in the IBM Cloud Kubernetes dashboard. It displays a table of worker nodes with columns for Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. The table shows one node with ID '00000001d' in a 'Provision pending - Preparing to...' status, located in the 'Milan 01' zone. Below the table, there is a section for node details including ID, Status, Flavor, Private VLAN, and Public VLAN.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000001d	Provision pending - Preparing to...	default	Milan 01			1.24.6-1541

Node details:

- ID: kube-cdju6frf04u8roh9rb0-myclusterfr-default-00000001d
- Status: Preparing to provision worker
- Flavor: Free - 2 vCPUs 4GB RAM
- Private VLAN: 2218131
- Public VLAN: 2218179