

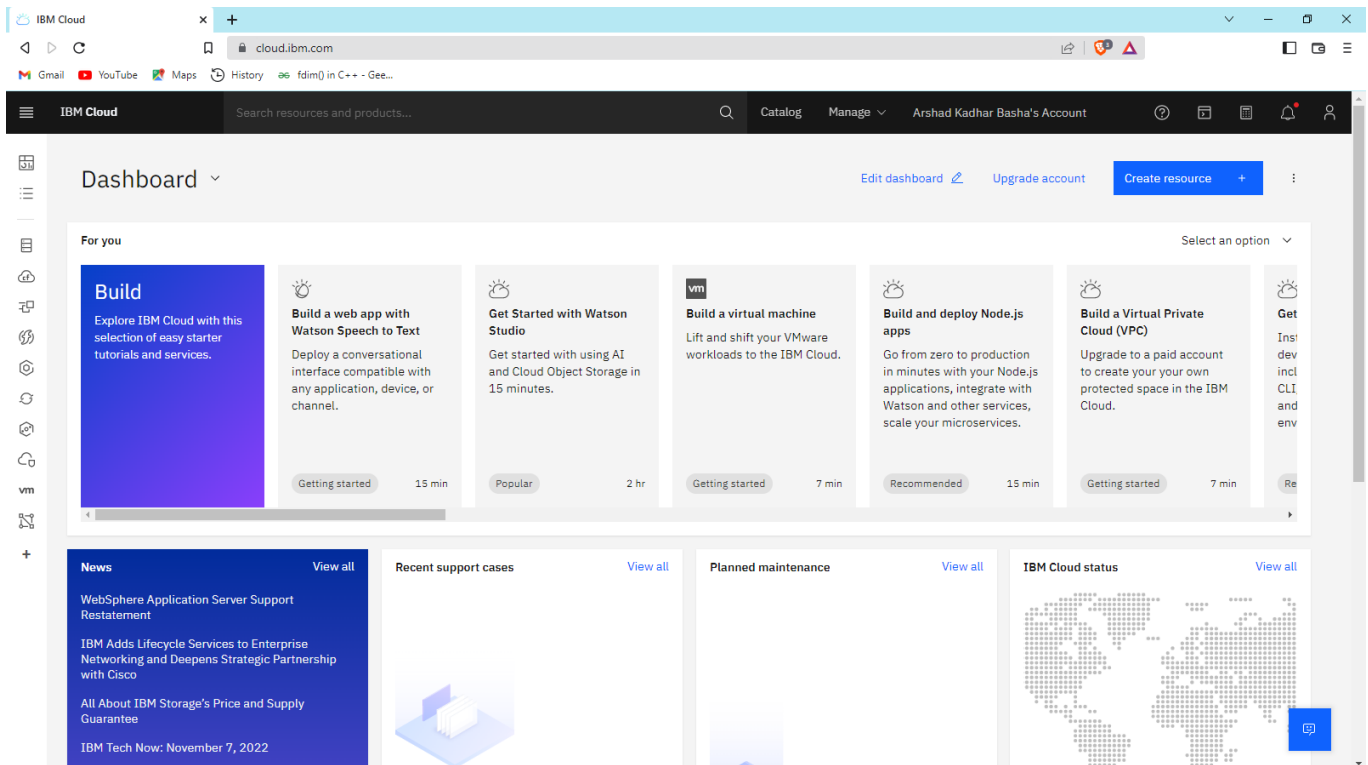
# DEPLOYMENT OF APP IN IBM CLOUD

## Deploy in Kubernetes Cluster

<b>TEAM ID</b>	PNT2022TMID00943
<b>PROJECT NAME</b>	Plasma Donor Application

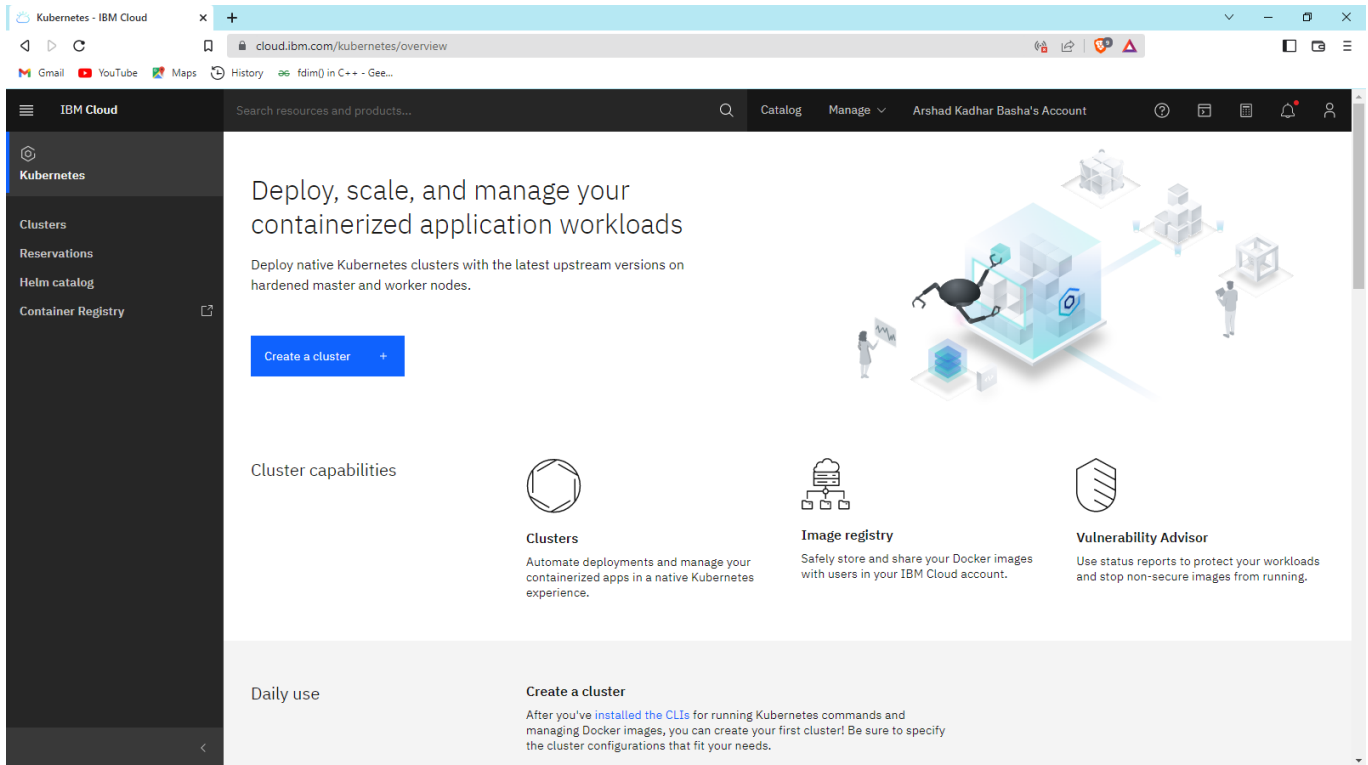
## Create a Kubernetes cluster

➤ Sign in to your IBM cloud dashboard.



➤ Open IBM Kubernetes Service.

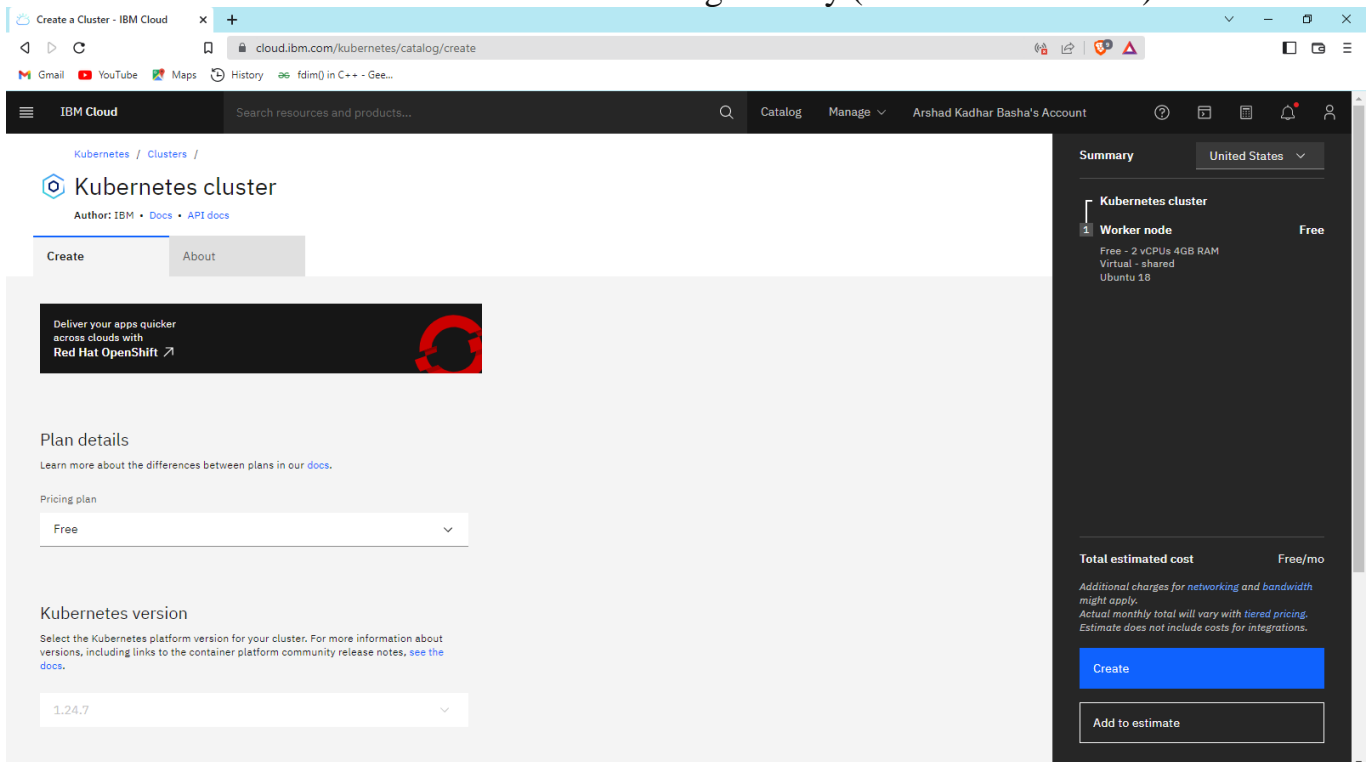
➤ Click Create Cluster.



➤ 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

The screenshot shows the IBM Cloud 'mycluster-free' overview page. The browser address bar displays 'cloud.ibm.com/kubernetes/clusters/cdnujb8f02ffqa8h9tlg/overview'. The page features a sidebar with 'Overview', 'Worker nodes', 'Worker pools', and 'DevOps' (marked as 'New'). The main content area includes a warning banner: 'Expires in 30 days: Be sure to back up your data, your cluster will be deleted in 30 days. To access the full capabilities of the service, try out a standard cluster.' Below this, four status cards are shown: 'Node status' (1 of 1, Pending), 'Add-on status' (0 of 0, Normal), 'Master status' (Deploying), and 'Ingress status' (Pending). A 'Details' section provides cluster information: Cluster ID 'cdnujb8f02ffqa8h9tlg', Version '1.24.7\_1542', Infrastructure 'Classic', Zones 'Milan 01', Created '11/13/2022, 12:15 AM', and Resource group. An 'Image security enforcement' button is set to 'Enable'. A 'Node health' section shows '1 total nodes' with a progress bar indicating 0% Normal and 100% Pending. A 'Worker node details' link is also present.

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

The screenshot shows the 'Worker nodes' tab in the IBM Cloud 'mycluster-free' interface. The browser address bar displays 'cloud.ibm.com/kubernetes/clusters/cdnujb8f02ffqa8h9tlg/nodes'. The sidebar highlights 'Worker nodes'. The main content area features a table with columns: Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. A single worker node is listed with ID '0000009f', status 'Provision pending', worker pool 'default', zone 'Milan 01', and version '1.24.7\_1543'. The table includes a search bar, a filter dropdown, and pagination controls showing '1 of 1 item'.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
0000009f	Provision pending	default	Milan 01			1.24.7_1543