

# DEPLOYMENT OF APP IN IBM CLOUD

## Deploy in Kubernetes Cluster

TEAM ID	PNT2022TMID00855
PROJECT NAME	Plasma Donor Application

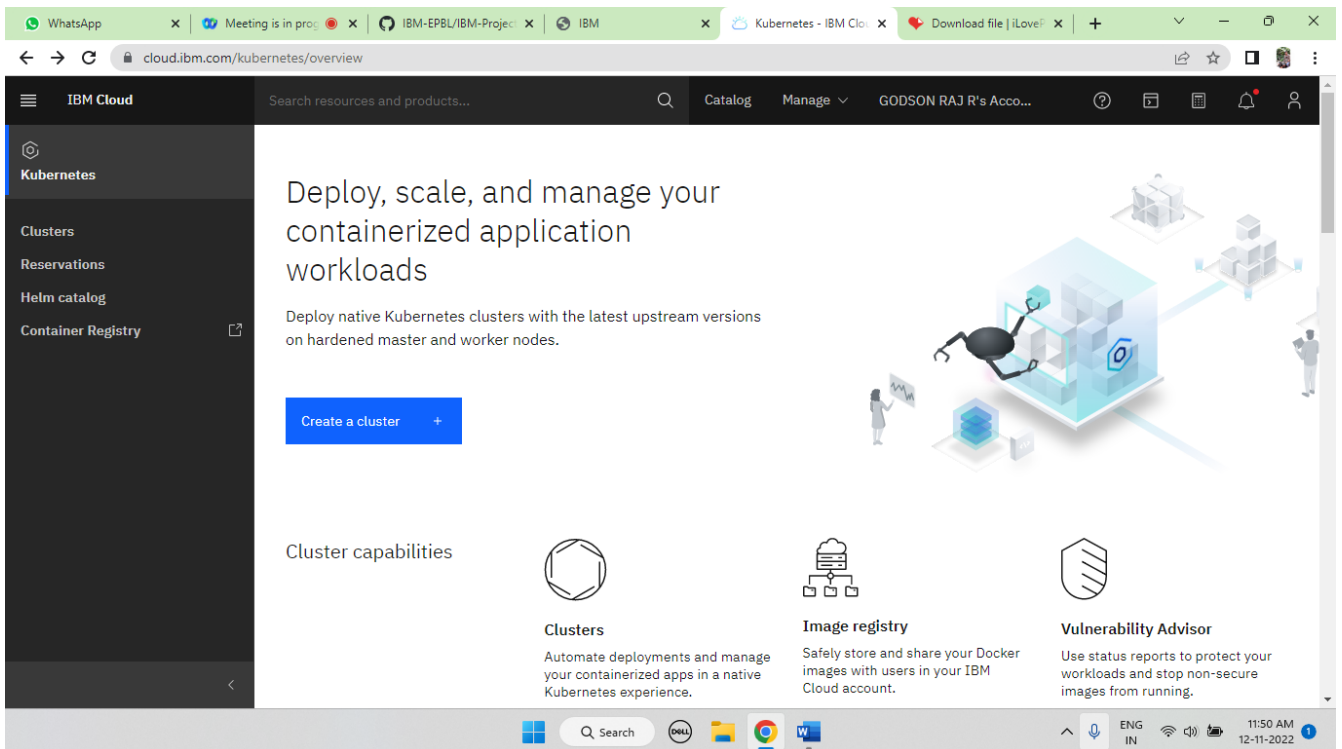
### Create a Kubernetes cluster

➤ Sign in to your IBM cloud dashboard.

The screenshot displays the IBM Cloud dashboard interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and links for 'Catalog', 'Manage', and 'GODSON RAJ R's Acco...'. Below this, the 'Dashboard' section features a 'For you' area with several service tiles: 'Build' (Explore IBM Cloud with this selection of easy starter tutorials and services.), 'Build a web app with Watson Speech to Text' (Deploy a conversational interface compatible with any application, device, or channel. Getting started 15 min), 'Get Started with Watson Studio' (Get started with using AI and Cloud Object Storage in 15 minutes. Popular 2 hr), 'Build a virtual machine' (Lift and shift your VMware workloads to the IBM Cloud. Getting started 7 min), 'Build and deploy Node.js apps' (Go from zero to production in minutes with your Node.js applications, integrate with Watson and other services, scale your microservices. Recommended 15 min), and 'Build a Cloud' (Upgrade to create protect Cloud. Getting started). Below the 'For you' section, there are three more tiles: 'User access' (Manage users, Enter email addresses below to jump directly into the invite user setup:), 'News' (View all, WebSphere Application Server Support Restatement, IBM Adds Lifecycle Services to Enterprise Networking and), and 'Planned maintenance' (View all). The bottom of the dashboard shows a Windows taskbar with the Start button, search bar, and various application icons. The system tray on the right indicates the time as 11:49 AM on 12-11-2022.

➤ Open IBM Kubernetes Service.

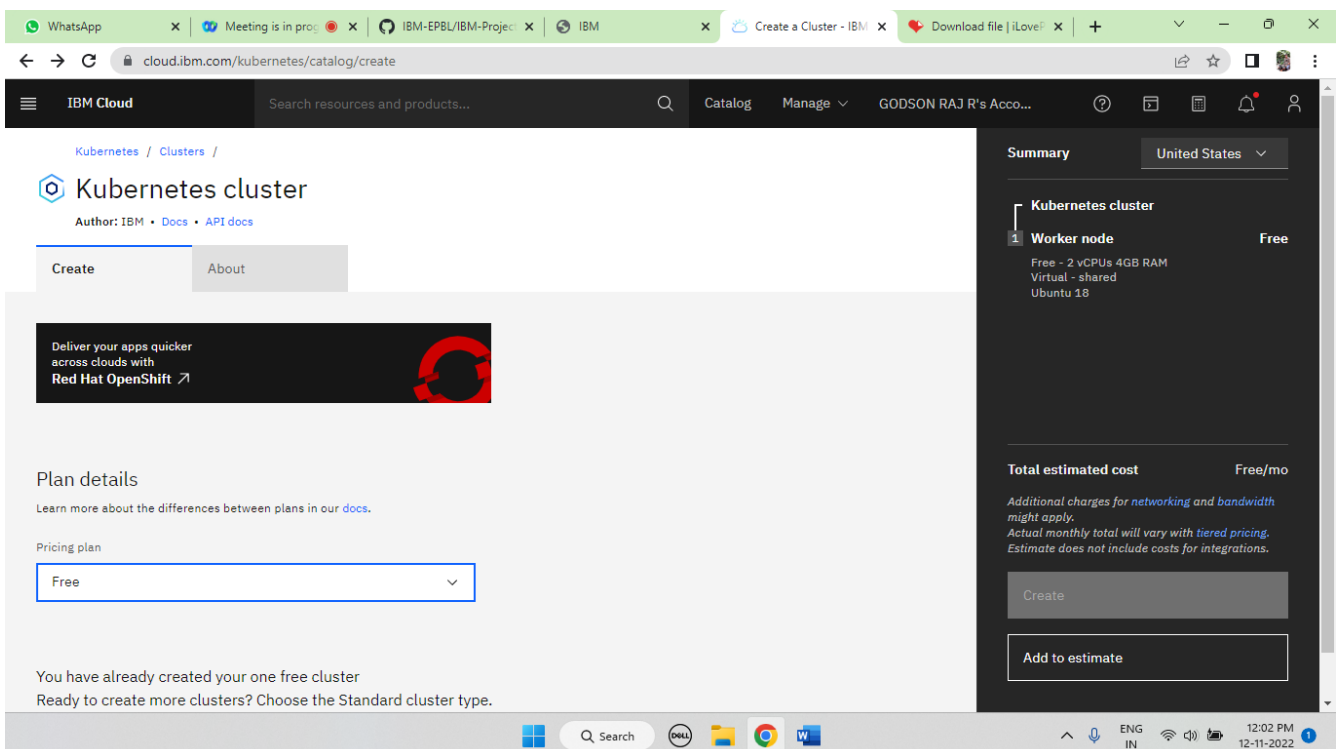
➤ Click Create Cluster.



➤ 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 Clusters overview page for a cluster named 'mycluster-dal10'. The cluster is in a 'Preparing master, workers...' state and will expire in 30 days. The left sidebar shows navigation options: Overview, Worker nodes, Worker pools, and DevOps (marked as 'New'). The main content area displays a warning about the 30-day expiration and four status cards: Node status (1 of 1 Pending), Add-on status (0 of 0 Normal), Master status (Unknown), and Ingress status (Pending). Below these is a 'Details' section with a table of cluster information.

Cluster ID	Version	Infrastructure	Zones
cdnjn7of07bl3gn50gmg	1.24.7_1542	Classic	Milan 01

Created	Resource group	Image security enforcement
12/11/2022, 11:52		<a href="#">Enable</a>

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

The screenshot shows the IBM Cloud Kubernetes Clusters Worker nodes page for the same cluster. The left sidebar now highlights 'Worker nodes'. The main content area features a table of worker nodes. The first node is in a 'Provision pending' state. The table includes columns for Name, Status, Worker pool, Zone, Private IP, Public IP, and Version.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000002	Provision pending	default	Milan 01			--> 1.24.7_1543