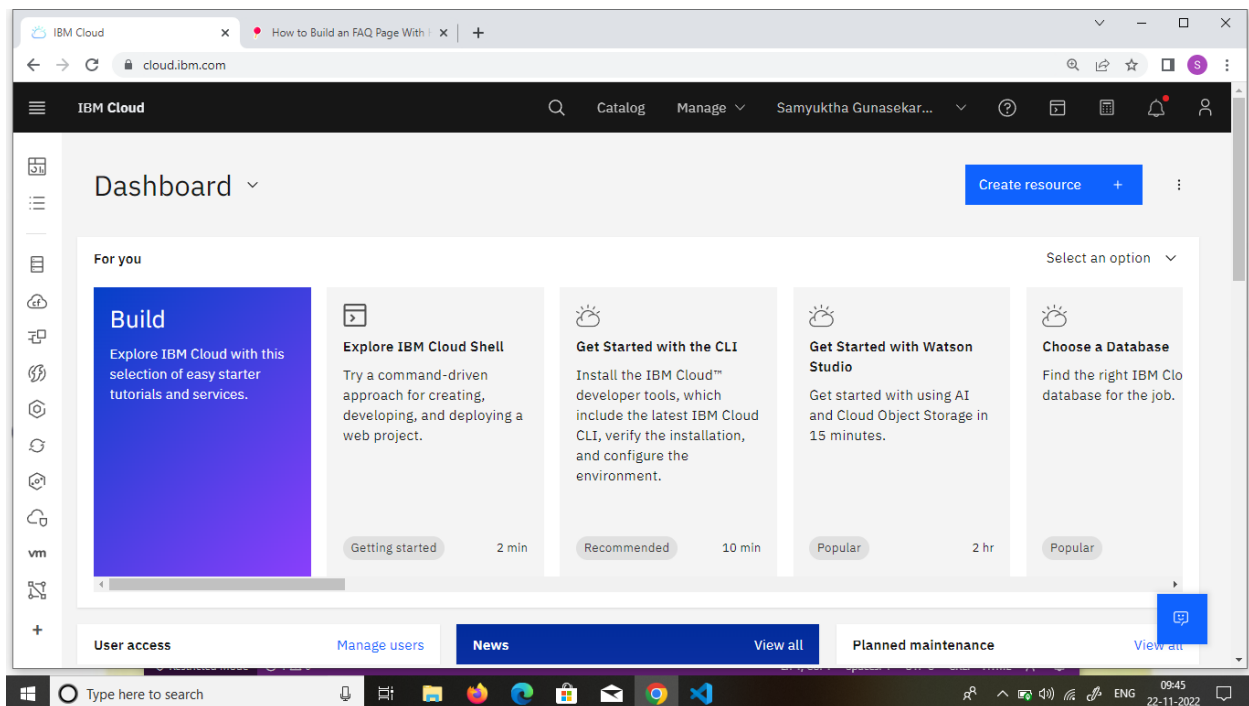


## DEPLOY IN KUBERNETES CLUSTER

Date	08/11/2022
Team ID	PNT2022TMID46383
Project Name	Plasma Donor Application

**Sign in to IBM Cloud Dashboard :**



## Open IBM Kubernetes Service :

The screenshot shows the IBM Cloud 'Create a Cluster' page. The main heading is 'Kubernetes cluster' with sub-links for 'Author: IBM', 'Docs', and 'API docs'. There are 'Create' and 'About' tabs. A banner for 'Red Hat OpenShift' is visible. The 'Plan details' section shows a 'Free' pricing plan. On the right, a 'Summary' panel for the 'United States' region lists the 'Kubernetes cluster' details: 'Worker node' (Free), 'Free - 2 vCPUs 4GB RAM', 'Virtual - shared', and 'Ubuntu 18'. It also shows the 'Total estimated cost' as 'Free/mo' with a disclaimer about additional charges. A blue 'Create' button and an 'Add to estimate' button are at the bottom right.

## Create Cluster :

The screenshot shows the IBM Cloud 'mycluster-free' overview page. The main heading is 'mycluster-free' with a 'Help' link and a 'Kubernetes dashboard' button. A status bar indicates 'Preparing master, workers...' and 'Expires in 30 days'. The 'Overview' section shows a warning about the 30-day expiration. Below this, four status cards are displayed: 'Node status' (1 of 1 Pending), 'Add-on status' (0 of 0 Normal), 'Master status' (Unknown), and 'Ingress status' (Pending). A 'Details' section at the bottom shows the cluster ID 'cdu4r4cf01', version '1.24.8\_1544', infrastructure 'Classic', and zones 'Milan 01'. A 'Help' sidebar on the right lists various actions like 'Log in to your cluster', 'Deploy your app', 'Expose your app', 'Add storage to your app', 'Connect integrations', 'Install add-ons', and 'Troubleshoot'.

## Worker Nodes Status checking on Kubernetes :

The screenshot shows the IBM Cloud Kubernetes dashboard for a cluster named 'mycluster-free'. The cluster status is 'Preparing master, workers...' with a red 'Expires in 30 days' warning. The 'Worker nodes' tab is selected, displaying a table with one node in a 'Provisioning' state.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000a6	Provisioning	default	Milan 01			1.24.8_1545

Items per page: 25 | 1-1 of 1 item

## After Checking the Status on Kubernetes :

The screenshot shows the same IBM Cloud Kubernetes dashboard, but the worker node's status has changed to 'Normal', indicated by a green checkmark. The node now has assigned private and public IP addresses.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000a6	Normal	default	Milan 01	10.144.194.49	159.122.186.187	1.24.8_1545

Items per page: 25 | 1-1 of 1 item