

Deployment in Kubernetes

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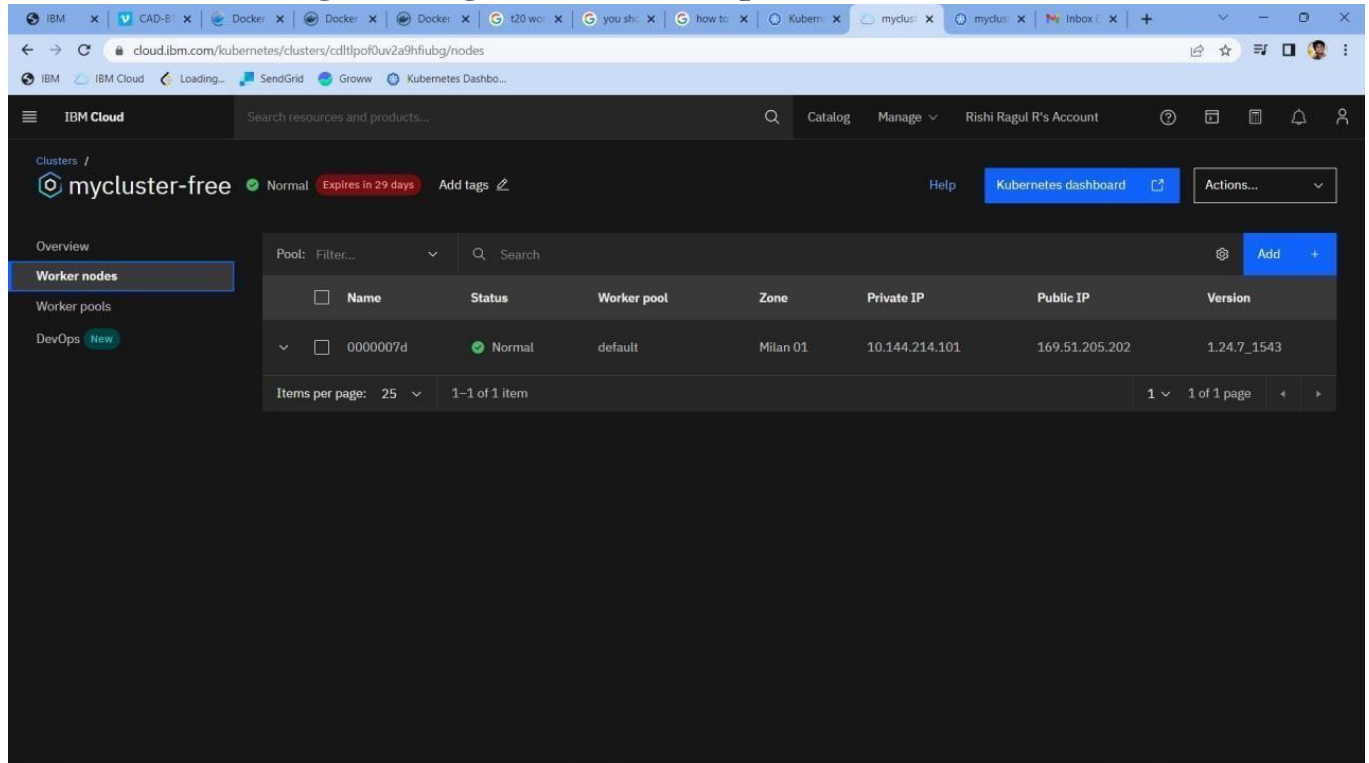
Question:

1. Login to IBM cloud account and create free Kubernetes services

The screenshot displays the IBM Kubernetes Dashboard interface. The top navigation bar includes the 'kubernetes' logo, a dropdown menu set to 'default', a search bar, and user profile icons. The left sidebar lists various Kubernetes resources: Workloads (selected), Cron Jobs, Daemon Sets, Deployments, Jobs, Pods, Replica Sets, Replication Controllers, Stateful Sets, Service, Ingresses, Ingress Classes, Services, Config and Storage, Config Maps, Persistent Volume Claims, Secrets, and Storage Classes. The main content area is titled 'Workload Status' and features three large red circles representing the status of Deployments, Pods, and Replica Sets. Below this, a 'Deployments' table lists the 'flask-app' deployment, showing 0/5 pods and a creation time of 4 minutes ago. A 'Pods' section is also visible at the bottom.

Name	Images	Labels	Pods	Created
flask-app	Show all	-	0 / 5	4 minutes ago

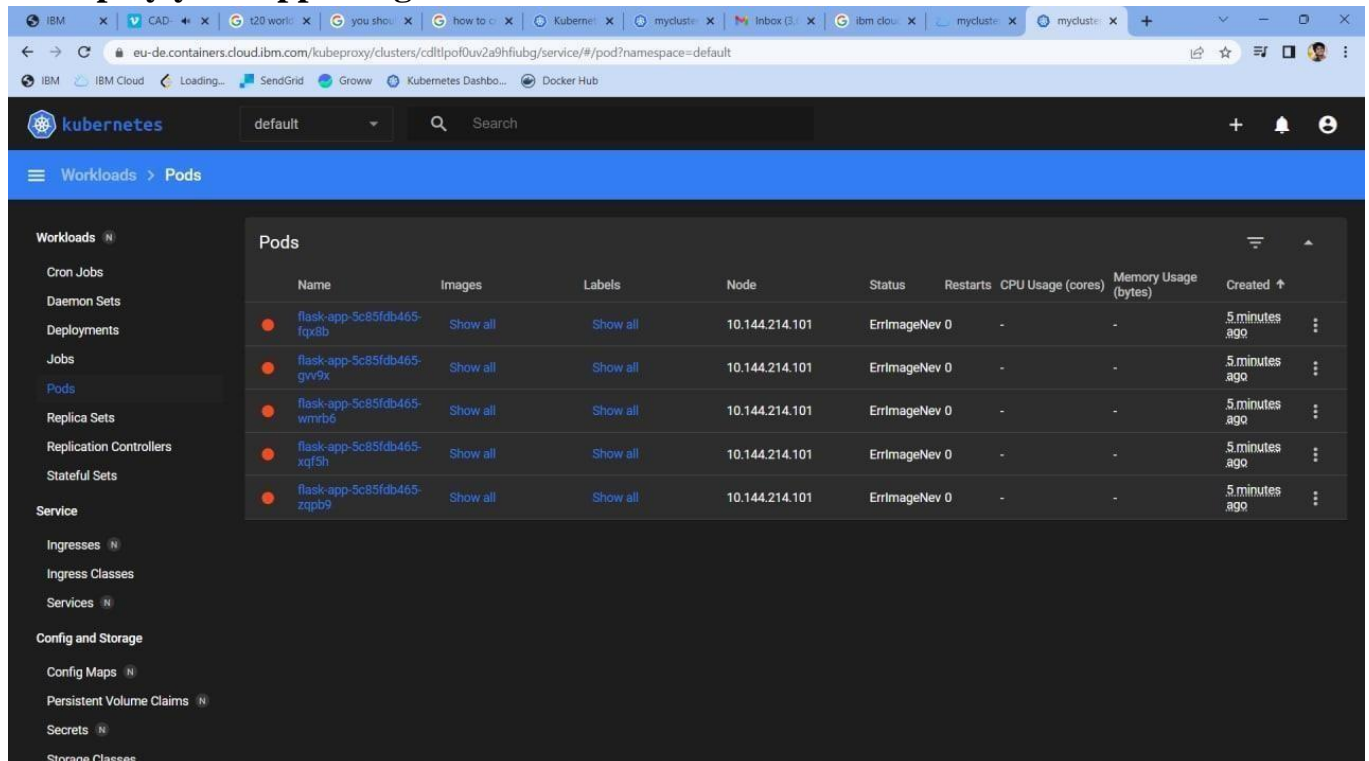
2. Click on working node tag to note cluster Ip.



The screenshot shows the IBM Cloud Kubernetes dashboard for a cluster named 'mycluster-free'. The 'Worker nodes' tab is selected, displaying a table of nodes. The table has columns for Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. One node is listed with ID '0000007d', status 'Normal', and public IP '169.51.205.202'.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
0000007d	Normal	default	Milan 01	10.144.214.101	169.51.205.202	1.24.7_1543

3. deploy your app using Kubernetes command



The screenshot shows the Kubernetes dashboard for the 'default' namespace. The 'Pods' tab is selected, displaying a table of pods. The table has columns for Name, Images, Labels, Node, Status, Restarts, CPU Usage (cores), Memory Usage (bytes), and Created. Five pods are listed, all with status 'ErrImageNev 0'.

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
flask-app-5c85fdb465-fqx8b	Show all	Show all	10.144.214.101	ErrImageNev 0	-	-	-	5 minutes ago
flask-app-5c85fdb465-gvv9x	Show all	Show all	10.144.214.101	ErrImageNev 0	-	-	-	5 minutes ago
flask-app-5c85fdb465-wmrb6	Show all	Show all	10.144.214.101	ErrImageNev 0	-	-	-	5 minutes ago
flask-app-5c85fdb465-xqf5h	Show all	Show all	10.144.214.101	ErrImageNev 0	-	-	-	5 minutes ago
flask-app-5c85fdb465-zqpb9	Show all	Show all	10.144.214.101	ErrImageNev 0	-	-	-	5 minutes ago