

DEPLOYMENT OF IBM CLOUD

Deploy in Kubernetes Cluster

Team ID	PNT2022TMID17803
Project Name	Plasma Donor Application

Deploying in Kubernetes:

The screenshot displays the IBM Cloud console for a Kubernetes cluster named 'mycluster-free'. The cluster is currently in a 'Preparing master, workers...' state. A notification indicates it expires in 30 days. The 'Add-on status' shows 0 of 0 add-ons. The 'Master status' is 'Unknown' and the 'Ingress status' is 'Pending'. The 'Details' section shows the cluster ID, version (1.24.8_1544), infrastructure (Classic), and zones (Milan 01).

```
Command Prompt

C:\Users\abhis>kubectl create deployment plasmadonor --image=ay.icr.io/plasmadonor/plasmadonor:latest
deployment.apps/plasmadonor created

C:\Users\abhis>kubectl expose deployment/plasmadonor --type=NodePort --name=plasmadonor --port=5000 --target-port=5000
service/plasmadonor exposed

C:\Users\abhis>kubectl describe service plasmadonor
Name:                plasmadonor
Namespace:           default
Labels:              app=plasmadonor
Annotations:         <none>
Selector:            app=plasmadonor
Type:               NodePort
IP Family Policy:   SingleStack
IP Families:        IPv4
IP:                 10.111.220.37
IPs:                10.111.220.37
LoadBalancer Ingress: localhost
Port:               <unset> 5000/TCP
TargetPort:         5000/TCP
NodePort:           <unset> 30964/TCP
Endpoints:          <none>
Session Affinity:   None
External Traffic Policy: Cluster
Events:             <none>

C:\Users\abhis>
```

