

# DEPLOY IN KUBERNETES CLUSTER

Date	07 November 2022
Team ID	PNT2022TMID24121
Project Name	Plasma Donor Application

The screenshot shows the IBM Cloud Kubernetes dashboard for a cluster named 'PlasmaDonorApplication'. The cluster status is 'Normal' and it expires in 29 days. The 'Worker nodes' section is active, displaying a table with one node.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000e1	Normal	default	Milan 01	10.144.213.176	169.51.203.154	1.24.7_1543

The screenshot shows the Docker Desktop interface. The 'Containers' tab is selected, displaying a list of containers. The 'Only show running containers' toggle is turned off. The list shows four containers: 'flaskapp' (Created), 'flaskpda' (Running), 'lucid\_wright' (Exited), and 'cranky\_mestorf' (Exited).

NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
flaskapp f34b3d657723	flaskapp:latest	Created (128)	5000:5000		
flaskpda 0a3c2b720c3d	flaskapp:latest	Running	5000:5000	1 hour ago	
lucid_wright 45326fcc4ad5	<none><none>	Exited (1)	5000:5000		
cranky_mestorf 24fd3d81ae64	docker/getting-started:latest	Exited (255)	80:80		

eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdse08af0d9g6k9oqj30/service/#/workloads?namespace=\_all

kubernetes

Workloads

Workload Status

Daemon Sets

Name	Namespace	Images	Labels	Pods	Created
beam-kapell-watcher	kube-system	Show all	Show all	1/1	18.78x9.890
nvda-gpu-driver-wgln	kube-system	Show all	Show all	0/0	18.78x9.890
nvda-driver-installer	kube-system	Show all	Show all	0/0	18.78x9.890
connectivity-agent	kube-system	Show all	Show all	1/1	18.78x9.890
node-local-dns	kube-system	Show all	Show all	0/0	18.78x9.890
calico-node	kube-system	Show all	Show all	1/1	18.78x9.890

Deployments

Name	Namespace	Images	Labels	Pods	Created
fast-node-deployment	default	Show all	Show all	1/1	32.20x9.890
metrics-server	kube-system	Show all	Show all	1/1	18.78x9.890
dashboard-metrics-scraper	kube-system	Show all	Show all	1/1	18.78x9.890
kubernetes-dashboard	kube-system	Show all	Show all	1/1	18.78x9.890
coredns	kube-system	Show all	Show all	3/3	18.78x9.890
coredns-autoscaler	kube-system	Show all	Show all	1/1	18.78x9.890
calico-kube-controllers	kube-system	Show all	Show all	1/1	18.78x9.890
calico-gtpe	kube-system	Show all	Show all	1/1	18.78x9.890

Pods

eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdse08af0d9g6k9oqj30/service/#/workloads?namespace=\_all

kubernetes

Workloads

Pods

Name	Namespace	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
fast-node-deployment-c154588d-qdps	default	Show all	Show all	10.144.213.176	Running	0	12.0000	32.20x9.890	32.20x9.890
beam-kapell-watcher-10.144.213.176	kube-system	Show all	Show all	10.144.213.176	Running	0	12.0000	18.78x9.890	18.78x9.890
metrics-server-3ab758f8-yg9j	kube-system	Show all	Show all	10.144.213.176	Running	0	12.0000	18.78x9.890	18.78x9.890
coredns-fd8bb6d54-mxtp	kube-system	Show all	Show all	10.144.213.176	Running	0	12.0000	18.78x9.890	18.78x9.890
coredns-fd8bb6d54-7on	kube-system	Show all	Show all	10.144.213.176	Running	0	12.0000	18.78x9.890	18.78x9.890
beam-kapell-watcher-af8	kube-system	Show all	Show all	10.144.213.176	Running	0	12.0000	18.78x9.890	18.78x9.890
calico-node-cvnc	kube-system	Show all	Show all	10.144.213.176	Running	0	12.0000	18.78x9.890	18.78x9.890
connectivity-agent-dgll	kube-system	Show all	Show all	10.144.213.176	Running	0	12.0000	18.78x9.890	18.78x9.890
dashboard-metrics-scraper-6d54655d-85sk	kube-system	Show all	Show all	10.144.213.176	Running	0	12.0000	18.78x9.890	18.78x9.890
kubernetes-dashboard-97a-6d426-nu9f	kube-system	Show all	Show all	10.144.213.176	Running	0	12.0000	18.78x9.890	18.78x9.890

Replica Sets

Name	Namespace	Images	Labels	Pods	Created
fast-node-deployment-c154588d	default	Show all	Show all	1/1	32.20x9.890
metrics-server-3ab758f8	kube-system	Show all	Show all	1/1	18.78x9.890
metrics-server-6d5d73c5d	kube-system	Show all	Show all	0/0	18.78x9.890
dashboard-metrics-scraper-6d54655d	kube-system	Show all	Show all	1/1	18.78x9.890
kubernetes-dashboard-97a-6d426	kube-system	Show all	Show all	1/1	18.78x9.890
coredns-fd8bb6d54	kube-system	Show all	Show all	3/3	18.78x9.890
coredns-autoscaler-63ba-6373ba	kube-system	Show all	Show all	1/1	18.78x9.890
calico-kube-controllers-6f8a-4998	kube-system	Show all	Show all	1/1	18.78x9.890
calico-gtpe-75d5735d	kube-system	Show all	Show all	1/1	18.78x9.890