

Deployment Of App In IBM Cloud

Deploy In Kubernetes Cluster

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Project Name	Project - Plasma Donor Application

Deploy on Kubernetes:

The screenshot shows the 'Create a Cluster' page in the IBM Cloud console. The browser address bar displays 'cloud.ibm.com/kubernetes/catalog/create'. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user's account (Vasudevan R's Account). The main content area is titled 'Kubernetes cluster' with links to 'Author: IBM', 'Docs', and 'API docs'. There are two tabs: 'Create' (active) and 'About'. A promotional banner for Red Hat OpenShift is visible. The 'Plan details' section shows a 'Pricing plan' dropdown set to 'Free'. A 'Kubernetes version' dropdown is also present. On the right, a 'Summary' sidebar shows the 'Worker node' configuration: 'Free - 2 vCPUs 4GB RAM Virtual - shared Ubuntu 18'. It also displays the 'Total estimated cost' as 'Free/mo' and includes a 'Create' button and an 'Add to estimate' button.

The screenshot shows the 'Overview' page of a newly created IBM Cloud Kubernetes cluster. The browser address bar displays 'cloud.ibm.com/kubernetes/clusters/cds5pr1f03cmmb71qt3g/overview'. The page header is similar to the previous screenshot. The main content area is titled 'mycluster-free' and shows a progress indicator 'Preparing master, workers...' and an expiration warning 'Expires in 30 days'. A left sidebar contains navigation links: 'Overview' (active), 'Worker nodes', 'Worker pools', and 'DevOps' (marked as 'New'). The main content area displays four status cards: 'Node status' (1 of 1 Normal), 'Add-on status' (0 of 0 Normal), 'Master status' (Normal), and 'Ingress status' (Healthy). Below these is a 'Details' section with a table of cluster information:

Cluster ID	Version	Infrastructure	Zones
cds5pr1f03cmmb71qt3g	1.24.8_1544	Classic	Milan 01
Created	Resource group	Image security enforcement	
19/11/2022, 10:04 am	Default	<button>Enable</button>	

mycluster-free - IBM Cloud

cloud.ibm.com/kubernetes/clusters/cds5pr1f03cmmmb71qt3g/nodes

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IBM Cloud Search resources and products... Catalog Manage Vasudevan R's Account

Clusters / mycluster-free Preparing master, workers... Expires in 30 days Add tags Help [Kubernetes dashboard](#) Actions...

Overview Worker nodes Worker pools DevOps New

Pool: Filter... Search Add +

<input type="checkbox"/>	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input checked="" type="checkbox"/>	000000ea	Normal	default	Milan 01	10.144.182.220	169.51.200.25	1.24.7_1543

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

Workloads

Workloads 10

- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

Service

- Ingresses 10
- Ingress Classes
- Services 10

Config and Storage

- Config Maps 10
- Persistent Volume Claims 10
- Secrets 10
- Storage Classes

Workload Status

Running: 6 Daemon Sets

Running: 7 Deployments

Running: 13 Pods

Running: 9 Replica Sets

Cluster

Namespaces

Nodes

Persistent Volumes

Roles

Storage Classes

Namespace

default

Overview

Workloads

Cron Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Discovery and Load Balancing

Ingresses

Services

Config and Storage

Deployments

Name	Labels	Pods	Age	Images
flask-node-deployment	app: flasknode	1 / 1	5 minutes	registry.ng.bluewin.net/flask-node/app

Pods

Name	Node	Status	Restarts	Age	CPU (cores)	Memory (bytes)
flask-node-deployment-5cd96cf6be-d5n6x	10.47.79.201	Running	0	5 minutes	0	19.352 Mi

Replica Sets

Name	Labels	Pods	Age	Images
flask-node-deployment-5cd96cf6be	app: flasknode pod-template-hash: 1785279267	1 / 1	5 minutes	registry.ng.bluewin.net/flask-node/app

Discovery and Load Balancing

Services

Name	Labels	Cluster IP	Internal endpoints	External endpoints	Age
kubernetes	component: apiserver provider: kubernetes	172.21.0.1	kubernetes:443 TCP kubernetes:0 TCP	-	a minute
flask-node-deployment	-	172.21.104.14	flask-node-deployment:5000 TCP flask-node-deployment:0 TCP	-	a minute