

# Deploy in Kubernetes Cluster

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The screenshot shows the IBM Cloud console for a Kubernetes cluster named 'mycluster-free'. The cluster is in a 'Normal' state and expires in 28 days. The 'Worker nodes' tab is selected, displaying a table with one node.

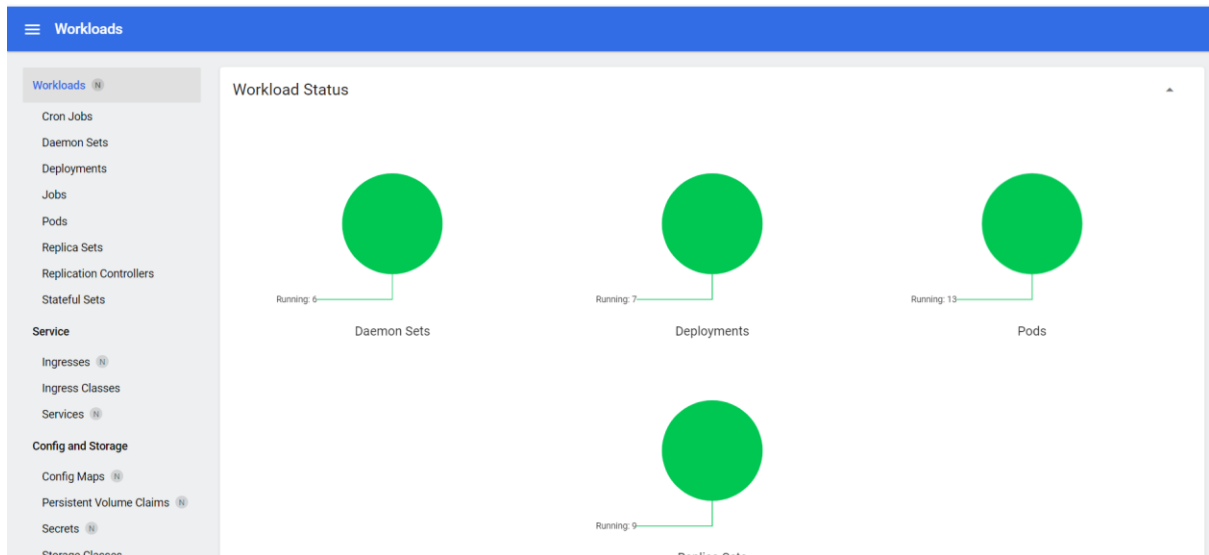
Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000003	Normal	default	Milan 01	10.144.212.136	169.51.204.24	1.24.6_1541

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The screenshot shows the Docker Desktop interface. The 'Containers' tab is active, displaying a list of containers. The table includes columns for Name, Image, Status, Port(s), Started, and Actions.

NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
admirer_bhabha	app:latest	Exited (255)	5000:5000		
kind_gagarin	docker/getting_started:latest	Exited (255)			
gifted_einstein	docker/getting_started:latest	Exited (255)	80:80		
k8s_POD_flask-app-8745558c9-rcmdv_default_2a	k8s.gcr.io/pause:3.8	Running		32 minutes ago	
k8s_POD_flask-app-8745558c9-5sbj4_default_413	k8s.gcr.io/pause:3.8	Running		12 minutes ago	
k8s_POD_flask-app-8745558c9-cnrb9_default_d13	k8s.gcr.io/pause:3.8	Running		12 minutes ago	

Showing 6 items



Overview

Cluster

Namespaces

Nodes

Persistent Volumes

Roles

Storage Classes

Namespace

default

Overview

Workloads

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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.bluemix.net/flask-node/app

### Pods

Name	Node	Status	Restarts	Age	CPU (cores)	Memory (bytes)
flask-node-deployment-5cd96cf6bc-d6n6x	10.47.79.201	Running	0	5 minutes	0	19.352 Mi

### Replica Sets

Name	Labels	Pods	Age	Images
flask-node-deployment-5cd96cf6bc	app: flasknode pod-template-hash: 1785279267	1 / 1	5 minutes	registry.ng.bluemix.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