

DEPLOYMENT OF APP IN IBM CLOUD

Deploy in Kubernetes Cluster

TASK: Create Kubernetes cluster in IBM cloud and deploy app in Kubernetes cluster

- **Create Kubernetes Cluster in IBM Cloud**

The screenshot shows the IBM Cloud console for a Kubernetes cluster named 'mycluster-free'. The cluster is in a 'Normal' state and expires in 27 days. The overview section 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, the 'Details' section shows the Cluster ID, Version (1.24.8_1544), Infrastructure (Classic), Zones (Milan 01), Created date (11/19/2022, 10:27 PM), Resource group (Default), and an 'Enable' button for Image security enforcement. The 'Node health' section indicates 1 total node.

The screenshot shows the 'Worker pools' section of the IBM Cloud console for the 'mycluster-free' cluster. It displays a table with one worker pool named 'default' in the 'Milan 01' zone, with an 'Active' status, 1 worker per zone, and 1 actual/declared worker. The flavor is 'Free - 2 vCPUs 4GB RAM'. The table has columns for Name, Zones, Status, Workers per zone, Actual / Declared workers, and Flavor. The page also includes a search bar, an 'Add' button, and pagination controls showing 1 of 1 item.

Name	Zones	Status	Workers per zone	Actual / Declared workers	Flavor
default	Milan 01	Active	1	1 / 1	Free - 2 vCPUs 4GB RAM

Clusters / mycluster-free Normal Expires in 27 days Add tags

Overview Worker nodes Worker pools DevOps New

Pool: Filter... Search

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000042	Normal	default	Milan 01	10.144.51.119	169.51.205.103	1.24.7_1543

ID: kube-cdsglq1f0tblven1qth0-myclusterfr-default-00000042

Status: Normal Flavor: Free - 2 vCPUs 4GB RAM Private VLAN: 2218181 Public VLAN: 2218179

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

24°C Partly cloudy

- **Deploy App in Kubernetes Cluster and check in Kubernetes Dashboard**

kubernetes All namespaces Search

Workloads > Pods

Workloads 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

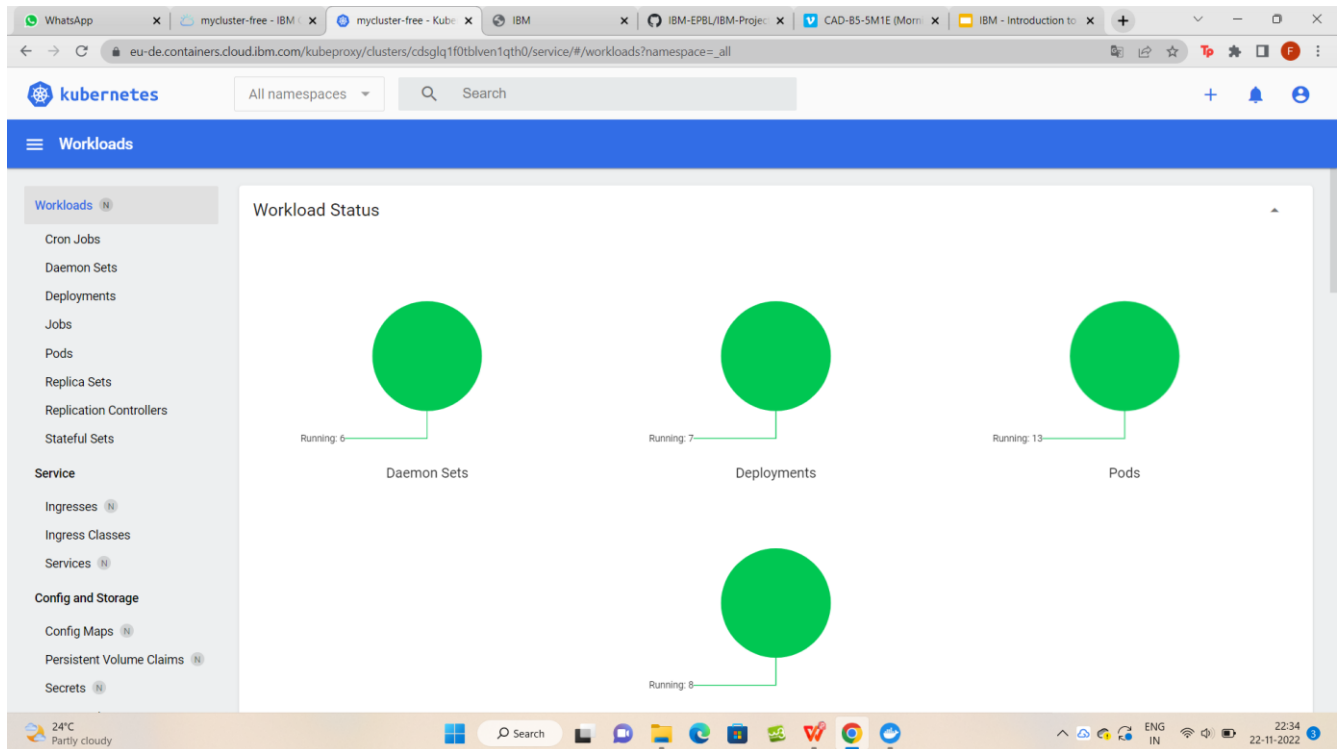
CPU Usage

Memory Usage

Pods

Name	Namespace	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
ibm-master-proxy-static-10.144.51.119	kube-system	Show all	Show all	10.144.51.119	Running	0	3.40m	5.84Mi	2 days ago
metrics-server-cbf4d58f7-vs9gx	kube-system	Show all	Show all	10.144.51.119	Running	0	2.40m	24.49Mi	2 days ago
coredns-6d6bb8c854-786d7	kube-system	Show all	Show all	10.144.51.119	Running	0	3.00m	13.54Mi	2 days ago
coredns-6d6bb8c854-br5k7	kube-system	Show all	Show all	10.144.51.119	Running	0	3.00m	13.44Mi	2 days ago
ibm-keepalived-watcher-4mcb8	kube-system	Show all	Show all	10.144.51.119	Running	0	1.00m	8.82Mi	2 days ago

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TASK COMPLETED SUCESSFULLY!