

DEPLOY IN KUBERNETES CLUSTER

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Project Name	Skill and job recommender application

KUBERNETES WORKER NODE:

The screenshot shows the IBM Cloud 'Create a Cluster' page. The browser tabs include IBM, IBM-Project-37615-16603, IBM-Project-36572-16602, WhatsApp, and 'Create a Cluster - IBM Cloud'. The address bar shows 'cloud.ibm.com/kubernetes/catalog/create'. The page header includes 'IBM Cloud', a search bar, and navigation links for 'Catalog', 'Manage', and the user account 'NAVRANG K P's Account'. The main content area is titled 'Kubernetes cluster' with a 'Create' button. The 'Plan details' section includes a link to 'docs' and a 'Pricing plan' dropdown set to 'Standard'. The 'Infrastructure' section prompts the user to choose a network and compute environment. The right-hand sidebar, titled 'Summary', shows the configuration for the 'United States' region. It lists the following components and their costs:

- Kubernetes cluster**
- 9 Worker nodes** at **US\$2.65/hr**: b3c.4x16 - 4 vCPUs 16GB RAM, Virtual - shared, Ubuntu 18.
- 1 Multizone load balancer** at **US\$0.02/hr**: Multizone clusters require a cross-zone load balancer.
- Integrations**
- 1 Activity tracking** at **US\$1.50/GB-mo**: activity-us-south-C9 - 7 day Event Search.
- 1 Logging** at **US\$1.50/GB-mo**: logs-us-south-m1 - 7 day Log Search.
- 1 Monitoring** at **US\$0.05/GB-mo**: metrics-us-south-e5 - Graduated Tier.

IBM Cloud


Search resources and products...

Q

Catalog

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Normal

Expires in 25 days

Add tags

Help

Kubernetes dashboard

Actions...

Overview

Worker nodes

Worker pools

DevOps

Pool: Filter...

Search

Settings

Add

	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<div></div>	0000008e	<div>Normal</div>	default	Milan 01	10.144.217.55	159.122.179.192	1.24.6_1541

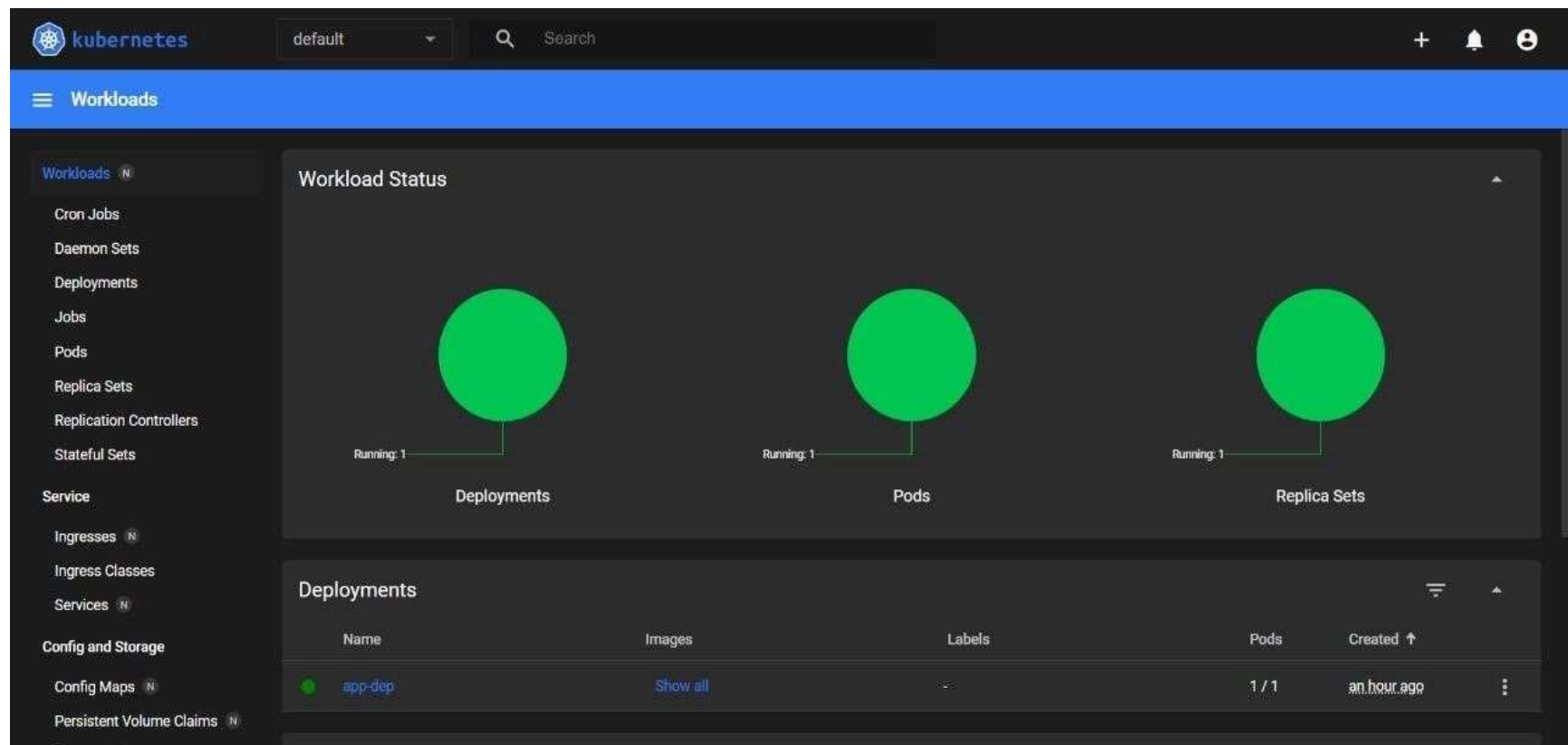
Items per page: 25

1-1 of 1 item

1

1 of 1 page

KUBERNETE DEPLOYMENT:



KUBERNETES SERVICE PODS:

The screenshot displays the Kubernetes dashboard interface. At the top, the 'kubernetes' logo is on the left, a 'default' namespace selector is in the center, and a search bar is on the right. Below the header, a blue bar highlights the 'Workloads' section. A left-hand sidebar lists various Kubernetes resources: Workloads (selected), Cron Jobs, Daemon Sets, Deployments, Jobs, Pods, Replica Sets, Replication Controllers, and Stateful Sets. Under the 'Service' section, there are links for Ingresses, Ingress Classes, and Services. Under 'Config and Storage', there are links for Config Maps and Persistent Volume Claims. The main content area is divided into three tabs: 'Deployments', 'Pods', and 'Replica Sets'. The 'Deployments' tab is active, showing a table with one deployment named 'app-dep'. Below it, the 'Pods' tab is active, showing a table with one pod named 'app-dep-ff9596bdf-5hj8c'. The 'Replica Sets' tab is also active, showing a table with one replica set named 'app-dep-ff9596bdf'. Each table includes columns for Name, Images, Labels, Pods, and Created time. The pod's status is 'Running' and its CPU usage is 9.00m.

Workloads

- Workloads (N)
- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

Service

- Ingresses (N)
- Ingress Classes
- Services (N)

Config and Storage

- Config Maps (N)
- Persistent Volume Claims (N)

Deployments

Name	Images	Labels	Pods	Created ↑
app-dep	Show all		1 / 1	an hour ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created ↑
app-dep-ff9596bdf-5hj8c	Show all	Show all	10.144.217.55	Running	0	9.00m	50.65Mi	an hour ago

Replica Sets

Name	Images	Labels	Pods	Created ↑
app-dep-ff9596bdf	Show all	Show all	1 / 1	an hour ago