

DEPLOY IN KUBERNETES CLUSTER

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Team ID	PNT2022TMID29798
Project Name	Skill and Job Recommender

KUBERNETES WORKER NODE:

The screenshot shows the IBM Cloud 'Kubernetes cluster' pricing page. The page is in dark mode. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and user account information. The main content area is titled 'Kubernetes cluster' with a 'Create' button. Below this, there's a 'Plan details' section with a 'Pricing plan' dropdown set to 'Standard'. The 'Infrastructure' section offers two options: 'Classic' (selected) and 'VPC'. On the right, a 'Summary' sidebar shows the estimated costs: Worker nodes at \$2.65/hr, Multizone load balancer at \$0.02/hr, Activity tracking at \$1.50/GB-mo, and Logging at \$1.50/GB-mo. The total estimated cost is \$1,919.52/mo. A blue 'Upgrade to create' button is at the bottom of the summary.

IBM Cloud

Search resources and products...

Catalog /

Kubernetes cluster

Author: IBM • Docs • API docs

Create About

Plan details

Learn more about the differences between plans in our docs.

Pricing plan

Standard

Infrastructure

Choose which network and compute environment to run your cluster on. Learn more about the differences.

Classic

Run your cluster with native subnet and VLAN networking on our classic infrastructure.

VPC

Create a fully customizable, software-defined virtual network with superior isolation using IBM Cloud VPC.

Summary

United States

Kubernetes cluster

- Worker nodes** **\$2.65/hr**
b3c.4x16 - 4 vCPUs 16GB RAM
Virtual - shared
Ubuntu 18
- Multizone load balancer** **\$0.02/hr**
Multizone clusters require a cross-zone load balancer.
- Integrations**
 - Activity tracking** **\$1.50/GB-mo**
activity-us-south-30 - 7 day Event Search
 - Logging** **\$1.50/GB-mo**
logs-us-south-g1 - 7 day Log Search

Total estimated cost **\$1,919.52/mo**

Additional charges for networking and bandwidth might apply.
Actual monthly total will vary with tiered pricing.
Estimate does not include costs for integrations.

Upgrade to create

Add to estimate

KUBERNETE DEPLOYMENT:

The screenshot displays the Kubernetes dashboard interface. At the top, the 'kubernetes' logo is on the left, a 'default' namespace selector in the center, and a search bar on the right. Below this is a blue header bar with the 'Workloads' menu item selected. A left-hand sidebar lists various Kubernetes resources: Workloads (with a count of 1), Cron Jobs, Daemon Sets, Deployments, Jobs, Pods, Replica Sets, Replication Controllers, Stateful Sets, Service, Ingresses (with a count of 1), Ingress Classes, Services (with a count of 1), Config and Storage, Config Maps (with a count of 1), and Persistent Volume Claims (with a count of 1). The main content area is divided into two sections. The top section, titled 'Workload Status', features three large green circular progress indicators, each labeled 'Running: 1' and corresponding to 'Deployments', 'Pods', and 'Replica Sets' respectively. The bottom section, titled 'Deployments', contains a table with the following data:

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

KUBERNETE SERVICE PODS:

The screenshot displays the Kubernetes dashboard interface. At the top, there's a header with the Kubernetes logo, a dropdown menu set to 'default', a search bar, and icons for adding resources, notifications, and user profile. Below the header is a blue navigation bar labeled 'Workloads'. A left sidebar contains a tree view of Kubernetes resources: Workloads (selected), Cron Jobs, Daemon Sets, Deployments, Jobs, Pods, Replica Sets, Replication Controllers, Stateful Sets, Service, Ingresses, Ingress Classes, Services, Config and Storage, Config Maps, and Persistent Volume Claims. The main content area is divided into three sections: Deployments, Pods, and Replica Sets. The Deployments section shows a single deployment named 'app-dep' with 1/1 pods and created 'an hour ago'. The Pods section shows a single pod named 'app-dep-ff9596bdf-5hj8c' in a 'Running' state on node '10.144.217.55', with 0 restarts, 9.00m CPU usage, and 50.65Mi memory usage. The Replica Sets section shows a single replica set named 'app-dep-ff9596bdf' with 1/1 pods and created 'an hour ago'.

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