

DEPLOYEMENT OF APP IN IBM CLOUD – DEPLOY IN KUBERNETS CLUSTER

Date	8 Nov 2022
Team ID	PNT2022TMID01767
Project Name	Nutrition Assistant Application

- Open IBM Kubernetes Service.
- Select the Region where you want to deploy the cluster, type in a name for your cluster, then click Create Cluster.
- Select the appropriate cluster type depending on your account.
- It takes some time for the cluster to get ready (around 30 minutes).

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Free

Kubernetes version

Select the Kubernetes platform version for your cluster. For more information about versions, including links to the container platform community release notes, see the docs.

1.24.8

Summary

United States

Kubernetes cluster

1	Worker node	Free
---	-------------	------

Free - 2 vCPUs 4GB RAM

Total estimated cost Free/mo

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

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Add to estimate

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Kubernetes version

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1.24.8

Resource details

Cluster name

mycluster-free

Resource group

Default

Summary

United States

Kubernetes cluster

1

Worker nodeFree

Free - 2 vCPUs 4GB RAM
Virtual - shared
Ubuntu 18

Total estimated cost

Free/mo

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

Create

Add to estimate

Once the cluster is ready, click on your cluster's name and you will be redirected to a new page with information about your cluster and worker node.

This screenshot shows the configuration page for a new IBM Cloud Kubernetes cluster. The interface includes a top navigation bar with the IBM Cloud logo, a search bar, and user information. The main content area is divided into several sections:

- Created:** 17/11/2022, 10:51 pm
- Resource group:** (empty)
- Image security enforcement:** An **Enable** button is present.
- Node health:** A section titled "1 total nodes" with a progress bar. Below it, a status legend shows: Critical 0%, Warning 0%, Normal 0%, and Pending 100%.
- Networking:** Includes a "Service endpoint URL" and two toggle options: "Public enabling" (with a "Copy link" button) and "Private disabled" (with a "Copy link" button).
- Integrations:** Includes "Logging" (Waiting for cluster to be normal), "Monitoring" (Waiting for cluster to be normal), and "Key management service" (with an **Enable** button).

A "Help" sidebar is visible on the right, listing various actions like "Log in to your cluster", "Deploy your app", "Expose your app", "Add storage to your app", "Connect integrations", "Install add-ons", and "Troubleshoot".

- Click on the Worker Nodes tab to note the cluster's Public IP.

This screenshot shows the "Worker pools" tab for a cluster named "mycluster-free". The cluster is in the "Preparing master, workers..." state and has an "Expires in 30 days" warning. The left sidebar shows navigation options: Overview, Worker nodes, Worker pools (selected), and DevOps (marked as New).

The main content area displays a table of worker pools:

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

Below the table, it shows "Items per page: 25" and "1-1 of 1 item". There are also controls for "1" item per page and "1 of 1 page".

A "Help" sidebar is visible on the right, listing various actions like "Log in to your cluster", "Deploy your app", "Expose your app", "Add storage to your app", "Connect integrations", "Install add-ons", and "Troubleshoot".