

# 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).

The screenshot shows the IBM Cloud console interface for creating a Kubernetes cluster. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user profile (KRISHNAKANTH N's A...). The main content area is titled 'Kubernetes cluster' and includes tabs for 'Create' and 'About'. A promotional banner for Red Hat OpenShift is visible. The 'Plan details' section shows a 'Pricing plan' dropdown set to 'Free'. The 'Kubernetes version' section shows a dropdown set to '1.24.8'. On the right, a 'Summary' sidebar shows the 'Kubernetes cluster' with a 'Worker node' configuration (Free - 2 vCPUs 4GB RAM) and a 'Total estimated cost' of 'Free/mo'. A 'Create' button is prominently displayed at the bottom of the sidebar.

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## Kubernetes cluster

Author: IBM • Docs • API docs

Create About

Deliver your apps quicker across clouds with Red Hat OpenShift

### Plan details

Learn more about the differences between plans in our docs.

Pricing plan

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.

Create

Add to estimate

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Plan details

Learn more about the differences between plans in our [docs](#).

Pricing plan

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

Resource details

Cluster name

mycluster-free

Resource group

Default

Summary

United States

Kubernetes cluster

1

Worker node

Free

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.

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Created: 17/11/2022, 10:51 pm

Resource group

Image security enforcement: [Enable](#)

### Node health

[Worker node details](#)

1 total nodes

Critical 0% Warning 0% Normal 0% Pending 100%

### Networking

Service endpoint URL

Public enabling: [Copy link](#)

Private disabled: [Copy link](#)

### Integrations

Logging: Waiting for cluster to be normal

Monitoring: Waiting for cluster to be normal

Key management service: [Enable](#)

### Help

- Log in to your cluster
- Deploy your app
- Expose your app
- Add storage to your app
- Connect integrations
- Install add-ons
- Troubleshoot

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

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Clusters / mycluster-free

Preparing master, workers... Expires in 30 days Add tags

Help [Kubernetes dashboard](#) [Actions...](#)

Overview

**Worker nodes**

Worker pools

DevOps [New](#)

Pool: Filter... Search

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000044	Normal	default	Milan 01	10.144.185.32	159.122.187.15	1.24.7_1543

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