

DEPLOYEMENT OF APP IN IBM CLOUD – DEPLOY IN KUBERNETS CLUSTER

Date	8 Nov 2022
Team ID	PNT2022TMID01769
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 browser address bar displays 'cloud.ibm.com/kubernetes/catalog/create'. The main header includes the IBM Cloud logo, a search bar, and navigation links for 'Catalog' and 'Manage'. The user is logged in as 'LOGESHWARAN T'. The page title is 'Kubernetes cluster' with links to 'Author: IBM', 'Docs', and 'API docs'. There are two tabs: 'Create' (active) and 'About'. A banner for 'Red Hat OpenShift' is visible. The 'Plan details' section includes a link to 'docs' and a 'Pricing plan' dropdown set to 'Free'. The 'Kubernetes version' section has a dropdown set to '1.24.8'. On the right, a 'Summary' sidebar shows the 'Kubernetes cluster' details, including 'Worker node' specifications (Free, 2 vCPUs, 4GB RAM, Virtual - shared, Ubuntu 18). It also displays the 'Total estimated cost' as 'Free/mo' and includes a 'Create' button and an 'Add to estimate' button.

Resource details

Cluster name

Resource group

Default

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.

The screenshot shows the IBM Cloud Kubernetes Clusters overview page. The browser address bar displays `cloud.ibm.com/kubernetes/clusters/cdr6pa4f@nop13bom130/overview`. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user profile LOGESHWARAN T.

The main content area is divided into several sections:

- Details:** A table showing cluster information:

Cluster ID	Version	Infrastructure	Zones
<code>cdr6pa4f@nop13bom130</code>	1.24.8_1544	Classic	Milan 01

Below the table, it shows 'Created: 11/17/2022, 10:47 PM' and 'Resource group' with an 'Enable' button for 'Image security enforcement'.
- Node health:** A section titled '1 total nodes' with a green progress bar indicating 100% Normal status. A legend shows: Critical 0%, Warning 0%, Normal 100%, Pending 0%. A link for 'Worker node details' is on the right.
- Networking:** Shows 'Service endpoint URL' with toggle switches for 'Public enabled' (checked) and 'Private disabled' (unchecked). Each toggle has a 'Copy link' button.
- Integrations:** Contains three sections: 'Logging' with a 'Connect' button, 'Monitoring' with a 'Connect' button, and 'Key management service' with an 'Enable' button.

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

cloud.ibm.com/kubernetes/clusters/cdr6pa4f0nop13bom130/nodes

IBM Cloud

Search resources and products...

Catalog

Manage

LOGESHWARAN T

Help

Kubernetes dashboard

Actions...

Clusters / mycluster-free

Normal

Expires in 30 days

Add tags

Overview

Worker nodes

Worker pools

DevOps

New

Pool: Filter...

Search

Add

<input type="checkbox"/>	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input type="checkbox"/>	00000007	Normal	default	Milan 01	10.144.195.22	159.122.186.123	1.24.7_1543

Items per page: 25

1-1 of 1 item

1

1 of 1 page