

Deploy In Kubernetes Cluster

Team ID	PNT2022TMID37580
Project Name	PERSONAL EXPENSE TRACKER

Steps:

Create a Kubernetes cluster

- Sign in to your IBM Cloud Dashboard.
 - Open IBM Kubernetes Service.
 - Click Create Cluster.
 - Select the Region where you want to deploy the cluster, type in a name for your cluster,
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- 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).
 - Once the cluster is ready, click on your cluster's name and you will be redirected to a newpage with information about your cluster and worker node.
 - Click on the Worker Nodes tab to note the cluster's Public IP

Resource list

Create resource

Name	Group	Location	Product	Status	Tags
<input type="text" value="Q Filter by name or IP address..."/>	<input type="text" value="Filter by group or org..."/>	<input type="text" value="Filter..."/>	<input type="text" value="Q Filter..."/>	<input type="text" value="Q Filter..."/>	<input type="text" value="Filter..."/>
Compute (0)					
Containers (2)					
mycluster-free	Default	Frankfurt	Kubernetes Service	● Normal	-
personalexpanse	Default	Sydney	Container Registry	-	-
Networking (0)					
Storage (1+)					
AI / Machine Learning (1+)					

Click mycluster-free

Create Cluster:

The screenshot displays the IBM Cloud Kubernetes Service overview for a specific cluster. At the top, a navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account. A warning banner at the top center states: "Expires in 30 days: Be sure to back up your data, your cluster will be deleted in 30 days. To access the full capabilities of the service, try out a standard cluster." Below the banner, a summary section shows four key metrics: Node status (1 of 1, Normal), Add-on status (0 of 0, Normal), Master status (Normal), and Ingress status (Healthy). Each metric has a "Details" link. The "Details" section below provides more information: Cluster ID (cduh7bkf0hdgoe1rgm70), Version (1.25.4_1522), Infrastructure (Classic), Zones (Milan 01), Created (11/22/2022, 11:53 PM), Resource group (Default), and Image security enforcement (with an "Enable" button). At the bottom, the "Node health" section shows "1 total nodes" with a green progress bar and a legend indicating 100% Normal status.

Worker nodes status checking on Kubernetes:

Clusters /

mycluster-free

Normal

Expires in 30 days

Add tags

Help

Kubernetes dashboard

Actions...

Overview

Worker nodes

Worker pools

DevOps

Pool: Filter...

Search

Add

	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
▼	000000bd	Normal	default	Milan 01	10.144.216.175	159.122.187.76	1.24.8_1545

Items per page: 25

1-1 of 1 item

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1 of 1 page

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