

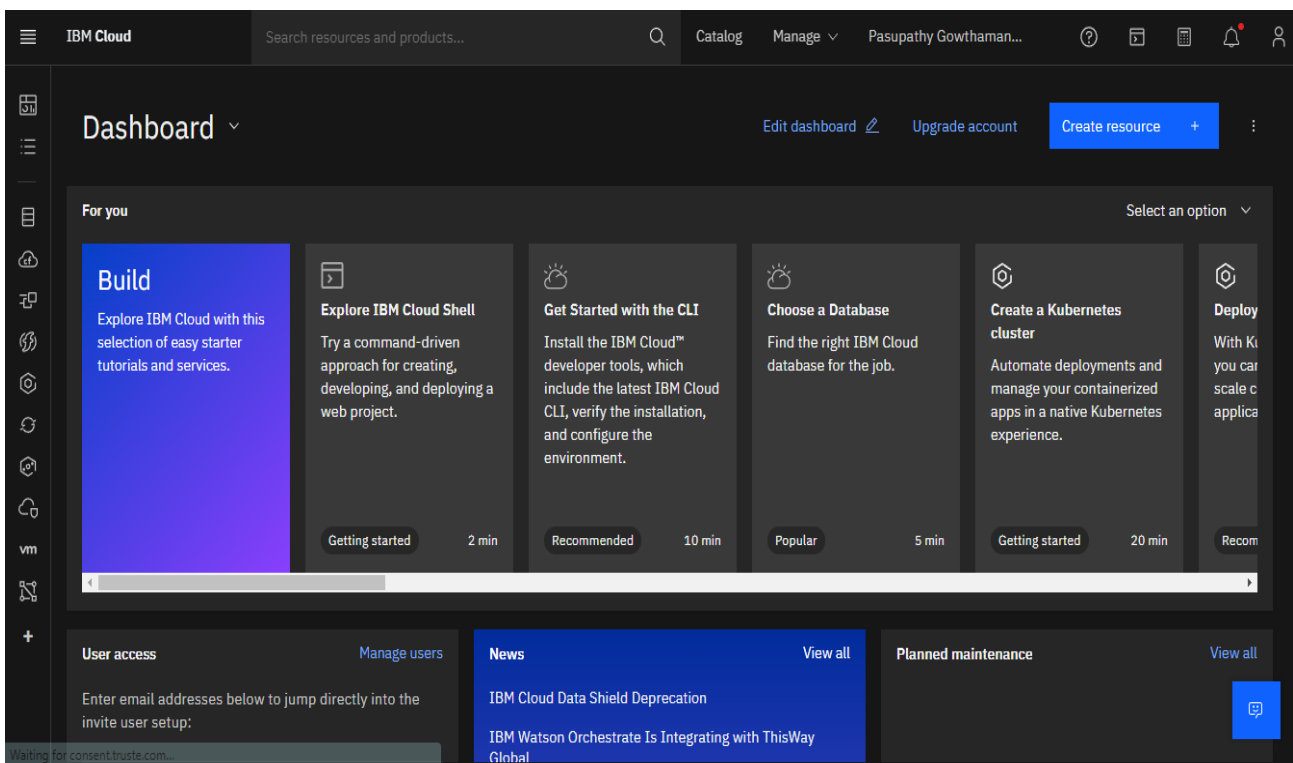
# Deploy In Kubernetes Cluster

Team ID	PNT2022TMID46377
Project Name	Skill And Job Recommender Application

## Steps:

### Create a Kubernetes cluster

- Sign in to your [IBM Cloud Dashboard](#).




- Open IBM KubernetesService.
- Click CreateCluster.

IBM Cloud

Q Catalog Manage ? ? ? ? ? ? ? ?

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](#).

Summary

United States

Kubernetes cluster

9 Worker nodes \$2.65/hr

b3c.4x16 - 4 vCPUs 16GB RAM  
Virtual - shared  
Ubuntu 18

1 Multizone load balancer \$0.02/hr

Multizone clusters require a cross-zone  
load balancer.

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

- Select the **Region** where you want to deploy the cluster, type in a **name** for your cluster, then
- click **CreateCluster**.
- 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 Clusters dashboard. At the top, the navigation bar includes the IBM Cloud logo, a search icon, and links for Catalog, Manage, and a user profile dropdown. The main header shows the cluster name 'mycluster-skill-job' with a status indicator 'Preparing master, workers...' and a red 'Expires in 30 days' warning. A left sidebar contains navigation links for Overview, Worker nodes, Worker pools, and DevOps (marked as 'New'). The main content area features a large warning box about the 30-day expiration. Below this, there are four status cards: Node status (1 of 1 Pending), Add-on status (Error Unknown), Master status (Unknown), and Ingress status (Pending). Each card has a 'Details' link. At the bottom, a 'Details' section is partially visible, showing columns for Cluster ID, Version, Infrastructure, and Zones.

IBM Cloud

Clusters / mycluster-skill-job

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

Overview

Worker nodes

Worker pools

DevOps New

Expires in 30 days: Be sure to back up your data, your cluster will be deleted in 30 days. To avoid the service, try out a [standard cluster](#).

Node status	Add-on status	Master status	Ingress status
1 of 1 Pending	Error Unknown	Unknown	Pending
<a href="#">Details ↓</a>	<a href="#">Details ↓</a>	<a href="#">Docs ↗</a>	<a href="#">Docs ↗</a>

Details

Cluster ID Version Infrastructure Zones

Pasupathy Gowthaman

Profile

Log in to CLI and API

Privacy

Change theme

Log out →

Kubernetes dashboard

Help

- 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 workernode.

The screenshot shows the IBM Cloud console interface. At the top, there's a search bar and navigation links like 'Catalog', 'Manage', and 'Pasupathy Gowthaman's Account'. The main header shows the cluster name 'mycluster-skill-job' with a status indicator 'Preparing master, workers...' and an expiration notice 'Expires in 50 days'. A sidebar on the left contains navigation links: 'Overview', 'Worker nodes' (selected), 'Worker pools', and 'DevOps'. The main content area displays a table of worker nodes. The table has columns: Name, Status, Worker pool, Zone, Private IP, and Public IP. One row is visible with ID '00000072' and status 'Provision pending - Preparing to provision worker'. The table is set to show 1 item per page.

Name	Status	Worker pool	Zone	Private IP	Public IP
00000072	Provision pending - Preparing to provision worker	default	Milan 01		

- Click on the **Worker Nodes** tab to note the cluster's PublicIP

This screenshot shows the same IBM Cloud console but at a later stage. The cluster 'mycluster-skill-job' now has a status of 'Provisioning - Infrastructure operation: Clone Cloud Template'. The 'Worker nodes' tab is still selected, and the table now shows more detailed information for the worker node '00000072', including its Private IP (10.144.188.18) and Public IP (169.51.206.18). The status is 'Provisioning - Infrastructure operation: Clone Cloud Template'. The table also includes a 'Version' column showing '--> 1.24.7\_1543'. The 'Add' button in the top right of the table is highlighted.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000072	Provisioning - Infrastructure operation: Clone Cloud Template	default	Milan 01	10.144.188.18	169.51.206.18	--> 1.24.7_1543