

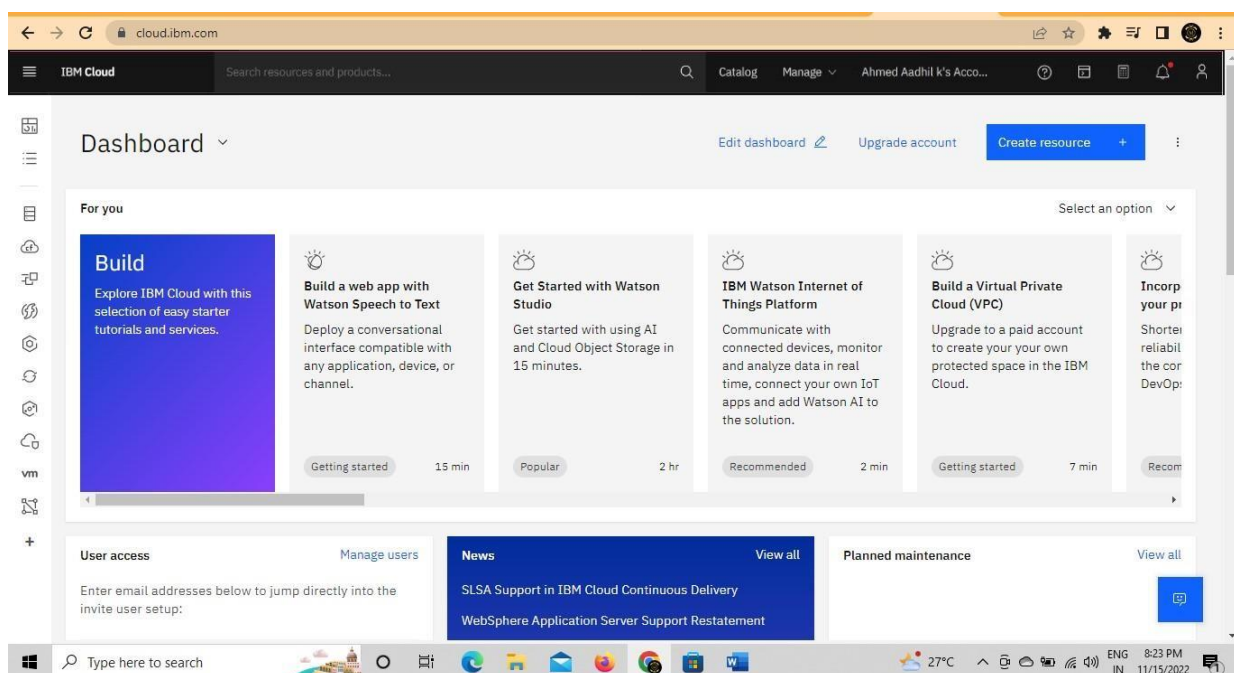
Deploy In Kubernetes Cluster

Date	10 Nov 2022
Team ID	PNT2022TMID05015
Project Name	Skills and Job Recommender

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, 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).

cloud.ibm.com/kubernetes/overview

IBM Cloud

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Create a cluster +

Cluster capabilities

- Clusters**
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Use status reports to protect your workloads and stop non-secure images from running.

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27°C 8:26 PM 11/15/2022

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Kubernetes cluster

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Create About

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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

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

Type here to search

27°C 8:26 PM 11/15/2022

- 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 displays the IBM Cloud Kubernetes catalog/create page. The main configuration area includes a search bar, a sidebar with navigation links, and a central panel with the following sections:

- Kubernetes version:** A dropdown menu showing version 1.24.7.
- Location:** Three dropdown menus for Geography (North America), Availability (Multizone), and Metro (Dallas).
- Worker zones:** A section for configuring worker zones.

On the right side, a **Summary** panel shows the following details:

- Kubernetes cluster:**
- Worker nodes:** 9 nodes, \$2.65/hr, b3c.4x16 - 4 vCPUs 16GB RAM, Virtual - shared, Ubuntu 18.
- Multizone load balancer:** 1 load balancer, \$0.02/hr. Note: 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** (blue button)
- Add to estimate** (white button)

The bottom of the page shows a Windows taskbar with various application icons and system information (27°C, 8:36 PM, 11/15/2022).

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

cloud.ibm.com/kubernetes/clusters/cdpqi8tf03tpp6u7kvf0/overview

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Clusters / mycluster-free Preparing master, workers... Expires in 29 days Add tags Help Kubernetes dashboard Actions...

Overview

Worker nodes

Worker pools

DevOps New

Expires in 29 days:
Be sure to back up your data, your cluster will be deleted in 29 days. To access the full capabilities of the service, try out a [standard cluster](#).

Node status

1 of 1

Pending

Details ↓

Add-on status

Error

Unknown

Details ↓

Master status

Unknown

Docs ↗

Ingress status

Pending

Docs ↗

Details

Cluster ID	Version	Infrastructure	Zones
cdpqi8tf03tpp6u7kvf0	1.24.7_1542	Classic	Milan 01
Created	Resource group	Image security enforcement	
11/15/2022, 6:58 AM		<input type="button" value="Enable"/>	

cloud.ibm.com/kubernetes/clusters/cdpqi8tf03tpp6u7kvf0/nodes

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Clusters / mycluster-free Preparing master, workers... Expires in 29 days Add tags Help Kubernetes dashboard Actions...

Overview

Worker nodes

Worker pools

DevOps New

Pool: Filter... Search Add +

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000fb	Provision pending - Preparing to provision worker	default	Milan 01			--> 1.24.7_1543
ID kube-cdpqi8tf03tpp6u7kvf0-myclusterfr-default-000000fb						
Status	Flavor	Private VLAN		Public VLAN		
Preparing to provision worker	Free - 2 vCPUs 4GB RAM	2218181		2218179		

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