

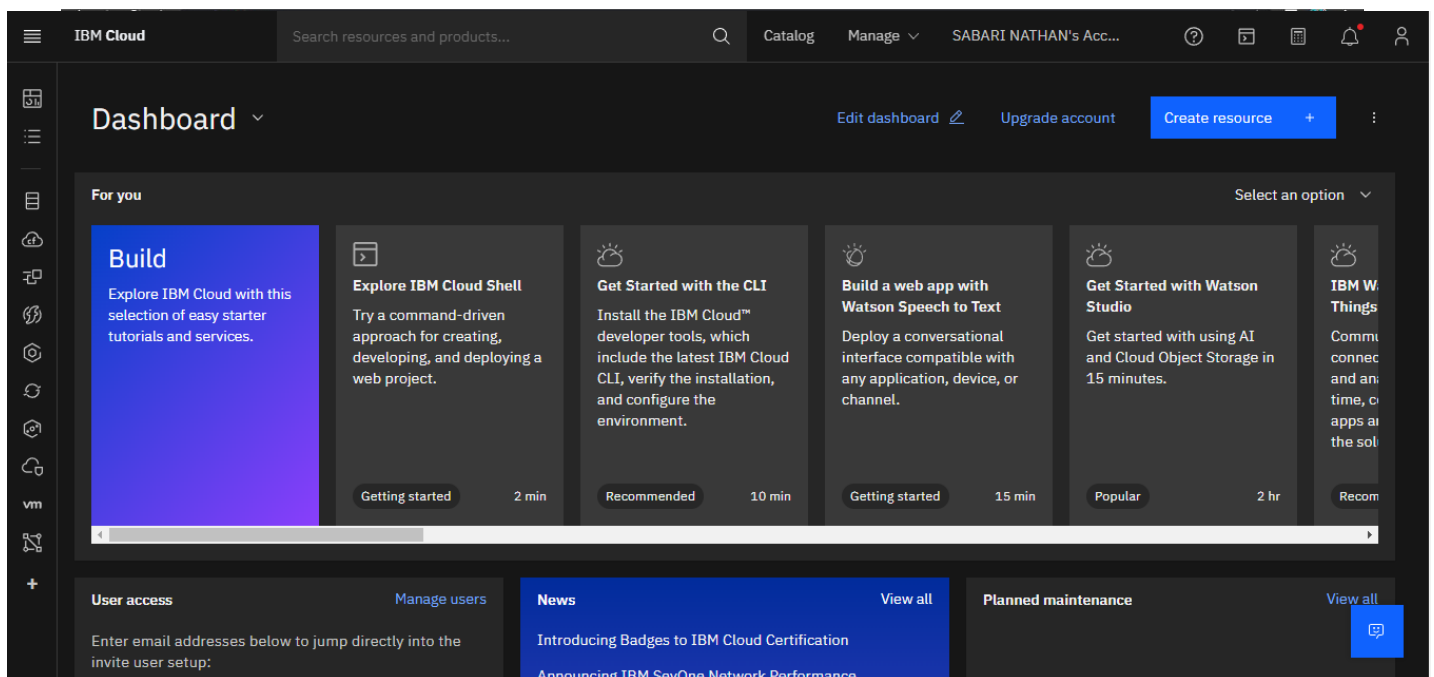
Deploy in Kubernetes Cluster

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Project Name	Skills/Job Recommender Application

Steps

Create a Kubernetes cluster

Step-1 Sign in to your [IBM Cloud Dashboard](#).



Step-2 Open IBM Kubernetes Service.

The screenshot shows the IBM Cloud Kubernetes Service overview page. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (SABARI NATHAN's Acc...). The left sidebar lists navigation options: Kubernetes (selected), Clusters, Reservations, Helm catalog, and Container Registry. The main content area features the heading "Deploy, scale, and manage your containerized application workloads" and a subheading "Deploy native Kubernetes clusters with the latest upstream versions on hardened master and worker nodes." A prominent blue button labeled "Create a cluster" is visible. Below this, the "Cluster capabilities" section highlights three features: Clusters (Automate deployments and manage your containerized apps in a native Kubernetes experience), Image registry (Safely store and share your Docker images with users in your IBM Cloud account), and Vulnerability Advisor (Use status reports to protect your workloads and stop non-secure images from running). An illustration of a person interacting with a large cube representing a Kubernetes cluster is shown on the right.

IBM Cloud

Search resources and products...

Catalog Manage SABARI NATHAN's Acc...

Kubernetes

Clusters Reservations Helm catalog Container Registry

Deploy, scale, and manage your containerized application workloads

Deploy native Kubernetes clusters with the latest upstream versions on hardened master and worker nodes.

Create a cluster

Cluster capabilities

Clusters
Automate deployments and manage your containerized apps in a native Kubernetes experience.

Image registry
Safely store and share your Docker images with users in your IBM Cloud account.

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

<https://cloud.ibm.com/kubernetes/overview>

Step-3 Click Create Cluster.

The screenshot shows the IBM Cloud Kubernetes cluster creation page. The top navigation bar is consistent with the previous page. The left sidebar shows the navigation path: Kubernetes / Clusters / Kubernetes cluster. The main content area has a heading "Kubernetes cluster" and subheading "Author: IBM • Docs • API docs". Below this, there are two tabs: "Create" (selected) and "About". A banner for Red Hat OpenShift is displayed. The "Plan details" section includes a link to learn more about differences between plans and a "Pricing plan" dropdown menu set to "Free". The "Kubernetes version" section is partially visible. On the right, a "Summary" panel shows the "Kubernetes cluster" configuration for the "United States" region. It lists a "Worker node" configuration: "Free - 2 vCPUs 4GB RAM Virtual - shared Ubuntu 18". The "Total estimated cost" is shown as "Free/mo". A note states: "Additional charges for networking and bandwidth might apply. Actual monthly total will vary with tiered pricing. Estimate does not include costs for integrations." Two buttons are present: "Create" and "Add to estimate".

IBM Cloud

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Kubernetes / Clusters /

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

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

Step-4 Select the **Region** where you want to deploy the cluster, type in a **name** for your cluster, then click **Create Cluster**

Step-5 Select the appropriate cluster type depending on your account.

Step-6 It takes some time for the cluster to get ready (around 30 minutes).

Step-7 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.

Step-8 Click on the **Worker Nodes** tab to note the cluster's Public IP.

The screenshot displays the IBM Cloud Clusters dashboard for a cluster named 'mycluster-free'. The cluster is in a 'Preparing master, workers...' state, indicated by a green progress bar. A warning banner at the top 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](#).' The dashboard shows the following status:

- Node status:** 1 of 1 nodes, Pending.
- Add-on status:** Error (Unknown).
- Master status:** Unknown.
- Ingress status:** Pending.

The 'Details' section at the bottom provides the following information:

Cluster ID	Version	Infrastructure	Zones
cds8omdf0cfiikr	1.24.8_1544	Classic	Milan 01

Additional details include 'Created', 'Resource group', and 'Image security enforcement'.