

# Create a Kubernetes cluster

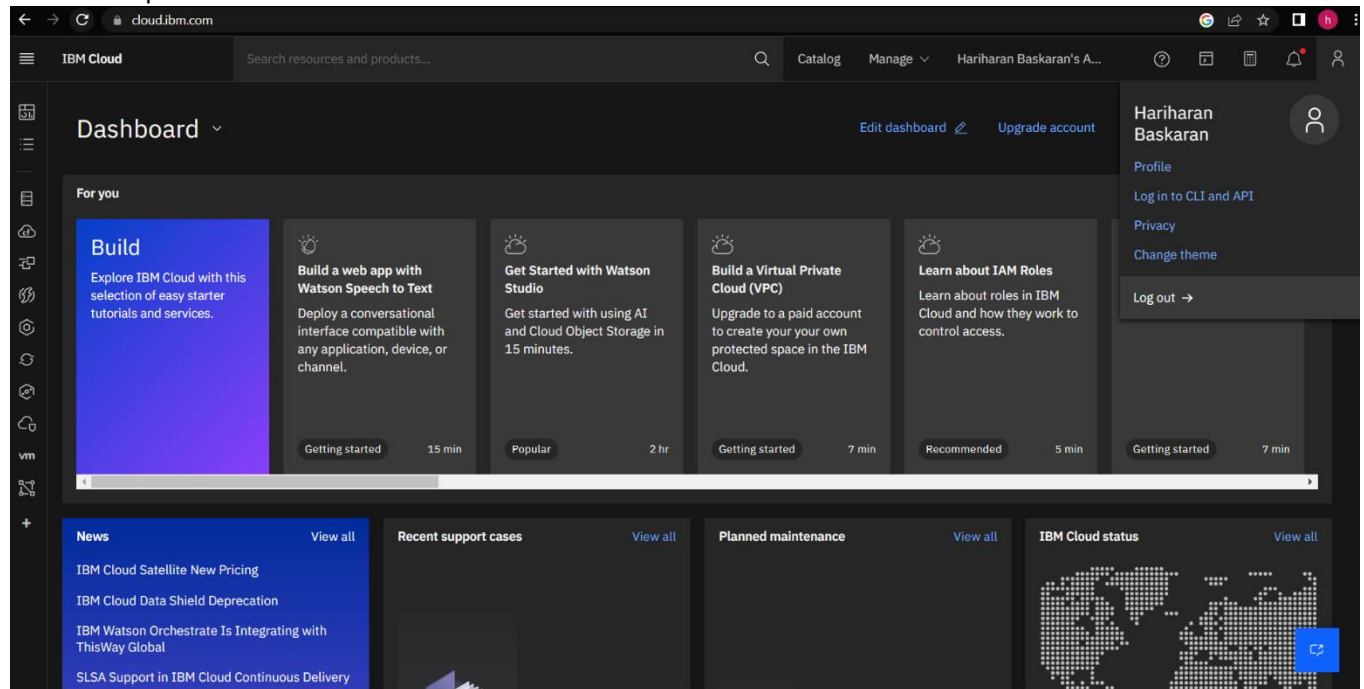
TEAM	PNT2022TMID04908
PROJECT	Inventory Management For retailers

## AIM:

To create a Kubernetes cluster

## Procedure:

- Sign in to your IBM Cloud Dashboard.
- Open IBM Kubernetes Service.



- Select on kubernetes and click on create cluster
- Select the Region where you want to deploy the cluster, name your cluster, click Create Cluster.
- Select the appropriate cluster type depending on your account.

The screenshot shows the IBM Cloud 'Kubernetes cluster' creation page. The browser address bar displays 'cloud.ibm.com/kubernetes/catalog/create'. The page header includes the IBM Cloud logo, a search bar, and navigation links for 'Catalog', 'Manage', and the user 'Hariharan Ba'. The main heading is 'Kubernetes cluster', with links for 'Author: IBM', 'Docs', and 'API docs'. Below this are two tabs: 'Create' (active) and 'About'. The 'Plan details' section includes a link to learn more about plan differences and a 'Pricing plan' dropdown menu currently set to 'Standard'. The 'Infrastructure' section provides instructions on choosing a network and compute environment, with links to learn more about differences. Two options are presented: 'Classic' (selected with a checkmark) and 'VPC'.

cloud.ibm.com/kubernetes/catalog/create

IBM Cloud Search resources and products... Catalog Manage ▾ Hariharan Ba

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](#).

**Classic** ✓  
Run your cluster with native subnet and VLAN networking on our classic infrastructure.

**VPC**  
Create a fully customizable, software-defined virtual network with superior isolation using IBM Cloud VPC.

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

The screenshot displays the IBM Cloud Clusters inventory page. The top navigation bar includes the IBM Cloud logo, a search bar, and user information. The main header shows 'Clusters / inventory' with a status bar indicating 'Preparing master, workers...' and 'Expires in 30 days'. A sidebar on the left lists navigation options: Overview, Worker nodes, Worker pools, and DevOps (marked as 'New'). The main content area features a warning banner about the 30-day expiration. Below this, four status cards are shown: Node status (1 of 1 Pending), Add-on status (Error Unknown), Master status (Unknown), and Ingress status (Pending). A 'Details' section provides cluster metadata, including ID, version (1.24.8\_1544), infrastructure type (Classic), zones (Milan 01), creation time, and resource group. An 'Image security enforcement' button is also present. At the bottom, a 'Node health' section shows '1 total nodes'. A right-hand 'Help' sidebar offers various actions like logging in, deploying apps, and connecting integrations.

- Thus the Kubernetes cluster is created .