

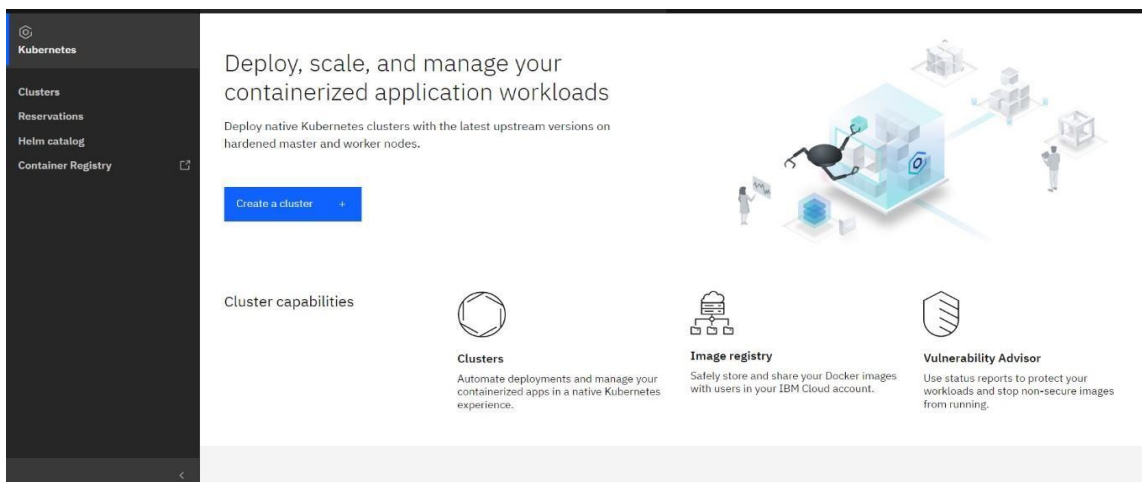
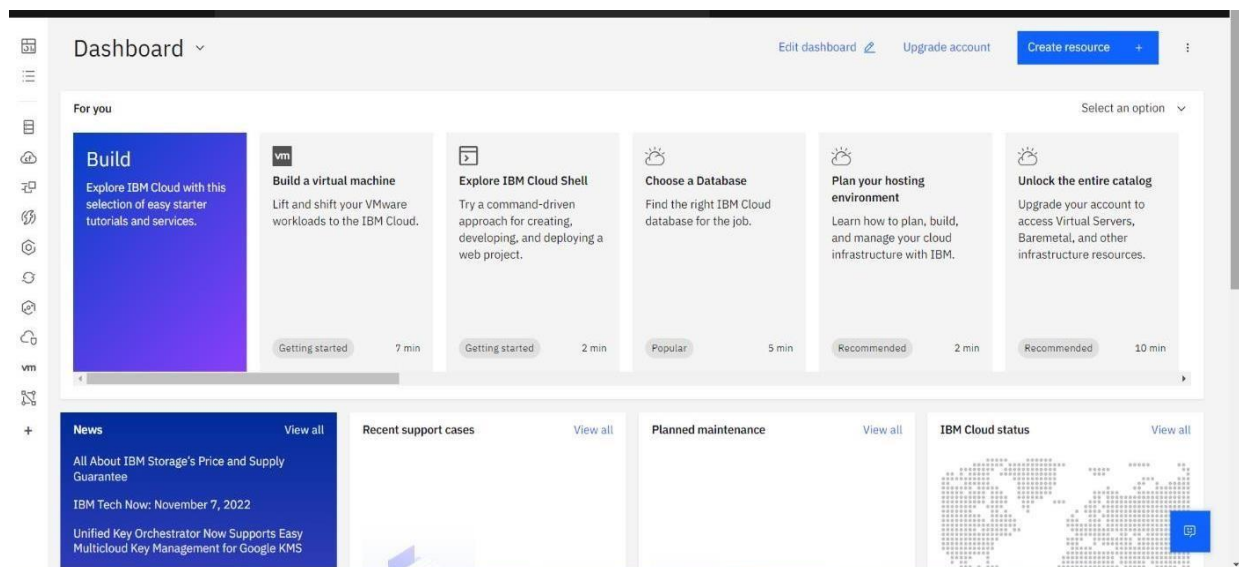
DEPLOYMENT OF APP IN IBM CLOUD

Deploy in Kubernetes Cluster

TEAM ID	PNT2022TMID30734
PROJECT NAME	Plasma Donor Application

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).
-
- 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

Kubernetes cluster

Author: IBM • Docs • API docs

Create About

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Plan details

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Pricing plan

Free

Kubernetes version

Select the Kubernetes platform version for your cluster. For more information about versions, including links to the container platform community release notes, see the docs.

1.24.7

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

Namespaces

Location: Global

Viewing filtered namespaces
A filter is applied so that only the namespace donor is included in the table. [Show all namespaces](#)

Resource group: Filter... Search

Name	Resource group	Repository count	Image count	Retention policy
donor	Default	1	1	Retain all images

Items per page: 25 1-1 of 1 item

Repositories

Location: Global

Search

Name	Image count	Namespace	Last updated
plasma_donor ictio/donor/plasma_donor	1	donor	9 hours ago

Items per page: 25 1-1 of 1 item

The screenshot displays the Kubernetes dashboard interface. The top navigation bar includes the 'kubernetes' logo, a 'default' namespace selector, a search bar, and user profile icons. The left sidebar lists various Kubernetes resources under 'Workloads' (Cron Jobs, Daemon Sets, Deployments, Jobs, Pods, Replica Sets, Stateful Sets), 'Service' (Ingresses, Ingress Classes, Services), 'Config and Storage' (Config Maps, Persistent Volume Claims, Secrets, Storage Classes), and 'Cluster' (Cluster Role Bindings, Cluster Roles, Events).

The main content area is divided into two sections. The top section, titled 'Workload Status', shows three green circles representing the status of Deployments, Pods, and Replica Sets, each with a 'Running: 1' indicator. Below this, there are two tables: 'Deployments' and 'Pods'. The 'Deployments' table lists one deployment named 'plasma-donor' with 1/1 pods, created 8 hours ago. The 'Pods' table lists one pod named 'plasma-donor-58c7f146-f5p9l' on node '10.144.214.95', with a status of 'Running', 0 restarts, 1.00m CPU usage, and 22.68Mi memory usage, created 8 hours ago.

The bottom section, titled 'Cluster / plasma-donor', provides an overview of the cluster. It includes a warning banner '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.' Below this, there are four status cards: 'Node status' (1 of 1 Normal), 'Add-on status' (0 of 0 Normal), 'Master status' (Normal), and 'Ingress status' (Healthy). A 'Details' section shows cluster information: Cluster ID 'cdpep31f615tencjsaag', Version '1.24.7_1542', Infrastructure 'Classic', Zones 'Milan 01', Created '15/11/2022, 6:26 pm', Resource group 'Default', and Image security enforcement 'Enable'. A 'Node health' section shows a bar chart indicating 1 total node, with 100% normal, 0% critical, 0% warning, and 0% pending. A 'Networking' section shows the service endpoint URL.

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