

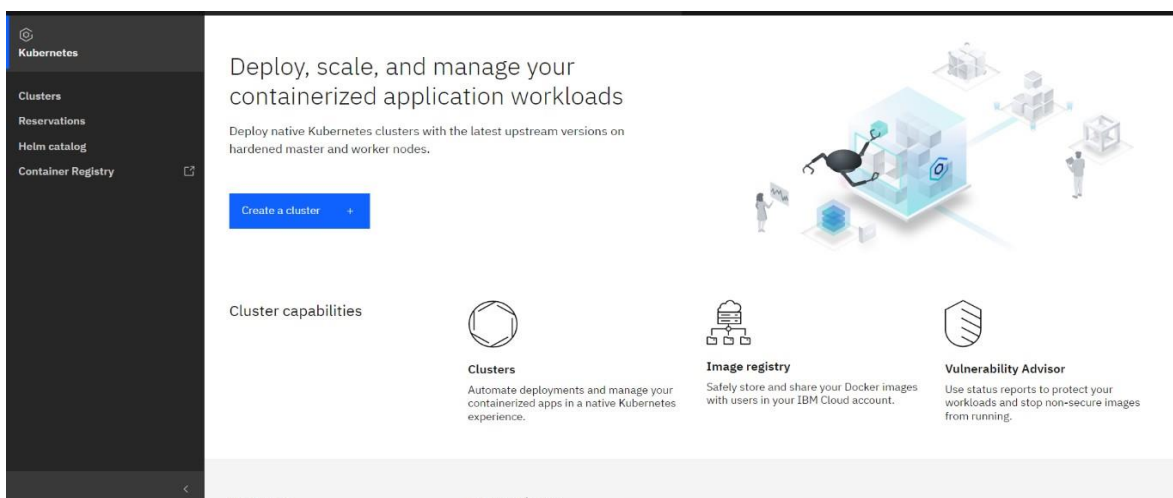
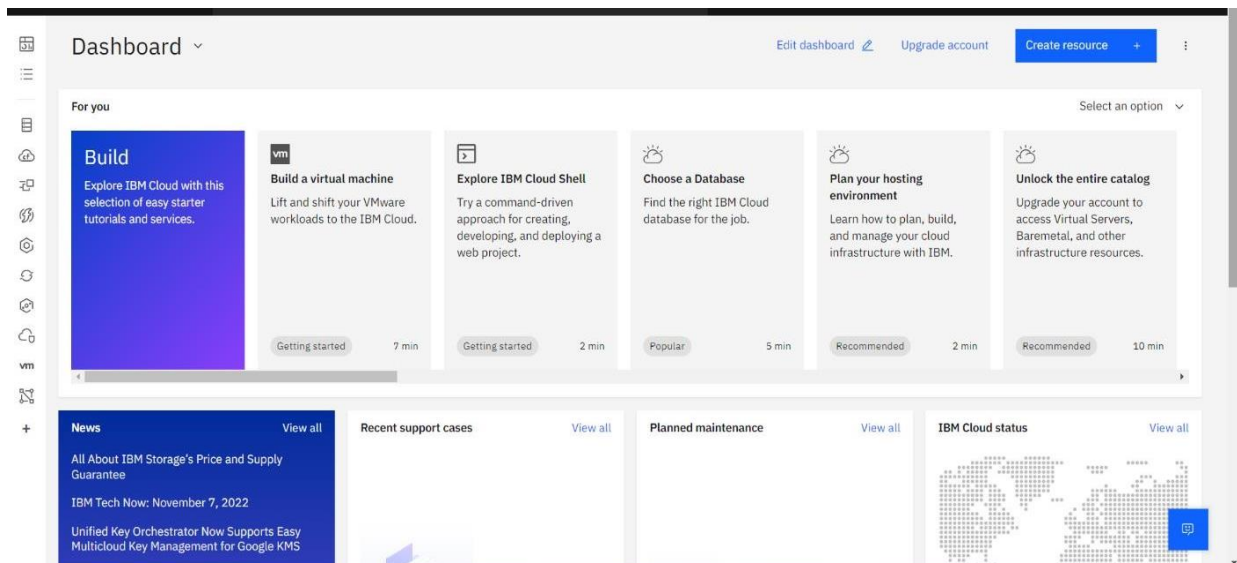
DEPLOYMENT OF APP IN IBM CLOUD

Deploy in Kubernetes Cluster

<u>TEAM ID</u>	<u>PNT2022TMID05580</u>
<u>PROJECT NAME</u>	<u>Plasma Donor Application</u>

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

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

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

a newpage with information about your cluster and worker node.

Namespaces

Location: Global

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

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

Name	Image count	Namespace	Last updated
plasma_donor ict.io/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 icons for adding resources, notifications, and user profile. The left sidebar lists various Kubernetes components under categories like Workloads, Service, Config and Storage, and Cluster. 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 three tables: 'Deployments' (showing 'plasma-donor' with 1/1 pods), 'Pods' (showing 'plasma-donor-98cf7f146-f9p9l' on node '10.144.214.95'), and 'Replica Sets'. The bottom section, titled 'Overview', provides a summary of the 'plasmadonor' cluster. It includes a warning banner about a 29-day expiration, four status cards (Node status: 1 of 1 Normal, Add-on status: 0 of 0 Normal, Master status: Normal, Ingress status: Healthy), a 'Details' section with cluster ID, version, infrastructure, and zones, a 'Node health' section showing 1 total node in normal status, and a 'Networking' section with a service endpoint URL.

Workload Status

Running 1 Deployments Running 1 Pods Running 1 Replica Sets

Deployments

Name	Images	Labels	Pods	Created
plasma-donor	Show all	-	1 / 1	8 hours ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
plasma-donor-98cf7f146-f9p9l	Show all	Show all	10.144.214.95	Running	0	1.00m	22.48MiB	8 hours ago

Replica Sets

plasmadonor Normal Expires in 29 days Add tags

Overview

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 Normal Details

Add-on status 0 of 0 Normal Details

Master status Normal Docs

Ingress status Healthy Docs

Details

Cluster ID	Version	Infrastructure	Zones
cdpnp31f013toncjsaag	1.24.7_1542	Classic	Milan 01

Created: 15/11/2022, 6:26 pm Resource group: Default Image security enforcement: Enable

Node health 1 total nodes

100% Normal 0% Critical 0% Warning 0% Pending

Networking

Service endpoint URL

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