

Deploy In Kubernetes Cluster

Team ID	PNT2022TMID15051
Project Name	PERSONAL EXPENSE TRACKER

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,
- 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 newpage with information about your cluster and worker node.
- Click on the Worker Nodes tab to note the cluster's Public IP

The screenshot shows the IBM Cloud 'Resource list' interface. On the left is a sidebar with navigation icons. The main area has a 'Resource list' header with a 'Create resource' button. Below the header is a table with columns: Name, Group, Location, Product, Status, and Tags. The table contains two entries under the 'Containers' category: 'mycluster-free' (Kubernetes Service, Frankfurt, Normal status) and 'personalexpende' (Container Registry, Sydney). Below the table are expandable sections for Compute, Networking, Storage, and AI / Machine Learning.

Name	Group	Location	Product	Status	Tags
mycluster-free	Default	Frankfurt	Kubernetes Service	Normal	—
personalexpende	Default	Sydney	Container Registry	—	—

Click mycluster-free

Create Cluster:

The screenshot shows the IBM Cloud Kubernetes overview page for a cluster named 'mycluster-free'. The page displays the following information:

- 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.
- Node status:** 1 of 1, Normal.
- Add-on status:** 0 of 0, Normal.
- Master status:** Normal.
- Ingress status:** Healthy.
- Details:**
 - Cluster ID: cduh7bkf0hdgoeirm70
 - Version: 1.25.4_1522
 - Infrastructure: Classic
 - Zones: Milan 01
 - Created: 11/22/2022, 11:53 PM
 - Resource group: Default
 - Image security enforcement: Enable
- Node health:** 1 total nodes. A bar chart shows 100% Normal nodes and 0% Critical, Warning, or Pending nodes.

Worker nodes status checking on Kubernetes:

The screenshot shows the IBM Cloud Kubernetes worker nodes page for a cluster named 'mycluster-free'. The page displays the following information:

- Overview:** mycluster-free, Normal, Expires in 30 days, Add tags.
- Worker nodes:** A table showing the status of the worker nodes.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000bd	Normal	default	Milan 01	10.144.216.175	159.122.187.76	1.24.8_1545

Items per page: 25, 1-1 of 1 item, 1 of 1 page.