

## Deploy In Kubernetes Cluster

Team ID	PNT2022TMID36566
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 header 'Resource list' and a 'Create resource' button. Below is a table with columns: Name, Group, Location, Product, Status, and Tags. The table is filtered to show 'Containers (2)'. Two resources are listed: 'mycluster-free' (Kubernetes Service, Frankfurt, Status: Normal) and 'personalexpanse' (Container Registry, Sydney, Status: -). Below the table are sections for 'Networking (0)', 'Storage (1+)', and 'AI / Machine Learning (1+)'. Each resource row has a small icon on the left and a three-dot menu on the right.

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

Click mycluster-free

# Create Cluster:

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Praveen B's Account

Overview

Worker nodes

Worker pools

DevOps New

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

Details

Add-on status

0 of 0

Normal

Details

Master status

Normal

Docs

Ingress status

Healthy

Docs

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

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

Worker node details

# Worker nodes status checking on Kubernetes:

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Praveen B's Account

Clusters /

mycluster-free

Normal

Expires in 30 days

Add tags

Help

Kubernetes dashboard

Actions...

Overview

Worker nodes

Worker pools

DevOps New

Pool: Filter...

Q Search

Add

	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

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1 1 of 1 page