

Deploy In Kubernetes Cluster

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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)'. The first entry is 'mycluster-free' with Group 'Default', Location 'Frankfurt', Product 'Kubernetes Service', and Status 'Normal'. The second entry is 'personalexpanse' with Group 'Default', Location 'Sydney', and Product 'Container Registry'. Below the table are expandable sections for 'Networking (0)', 'Storage (1+)', and 'AI / Machine Learning (1+)'. The 'mycluster-free' entry is highlighted with a blue background.

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

Click mycluster-free

Create Cluster:

The screenshot shows the IBM Cloud console for a Kubernetes cluster named 'mycluster-free'. The cluster is in a 'Normal' state and is set to expire in 30 days. The overview page displays the following details:

- 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. The health bar shows 100% Normal status.

Worker nodes status checking on Kubernetes:

The screenshot shows the 'Worker nodes' status page for the 'mycluster-free' cluster. The page displays a table of worker nodes with the following columns: Name, Status, Worker pool, Zone, Private IP, Public IP, and Version.

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

The page also includes a search bar, a filter dropdown, and a table with 1 item. The status bar at the bottom indicates 1 of 1 page.