

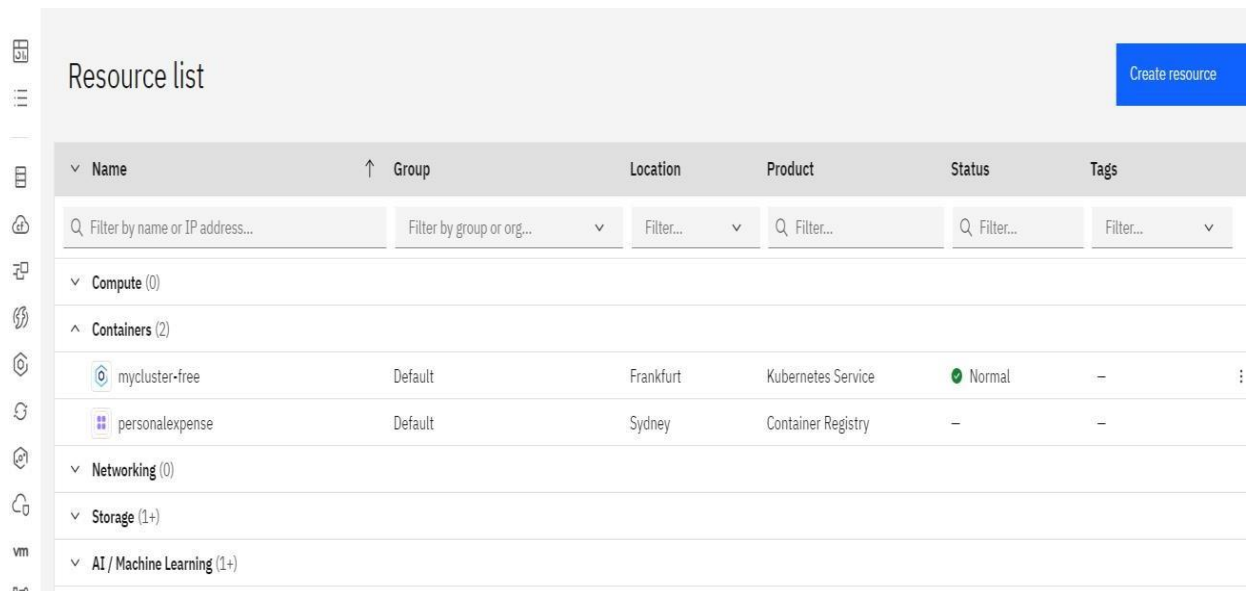
Deploy In Kubernetes Cluster

Team ID	PNT2022TMID42862
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' page. 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' in the 'Default' group, located in 'Frankfurt', with the product 'Kubernetes Service' and status 'Normal'. The second entry is 'personalexpanse' in the 'Default' group, located in 'Sydney', with the product 'Container Registry' and status '-'. Below the table are expandable sections for 'Networking (0)', 'Storage (1+)', and 'AI / Machine Learning (1+)'. The sidebar on the left includes icons for dashboard, menu, resources, compute, containers, networking, storage, and AI/ML.

Name	Group	Location	Product	Status	Tags
Q Filter by name or IP address... Filter by group or org... Filter... Filter... Filter... Filter...					
▼ Compute (0)					
^ Containers (2)					
mycluster-free	Default	Frankfurt	Kubernetes Service	Normal	—
personalexpanse	Default	Sydney	Container Registry	—	—
▼ Networking (0)					
▼ Storage (1+)					
▼ AI / Machine Learning (1+)					

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 scheduled to expire in 30 days. The overview page displays the following details:

- Node status:** 1 of 1 nodes are Normal.
- Add-on status:** 0 of 0 add-ons are Normal.
- Master status:** Normal.
- Ingress status:** Healthy.
- 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

The **Node health** section shows a bar chart indicating that 100% of nodes are in a 'Normal' state, with 0% in Critical, Warning, or Pending states.

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. The table shows one worker node in a 'Normal' state.

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 'Items per page' is set to 25, and the page shows 1 of 1 item.