

# DEPLOY IN KUBERNETES CLUSTER

TEAM ID	PNT2022TMID46680
PROJECT NAME	PERSONAL EXPENSE TRACKER APPLICATION
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## KUBERNETES CLUSTER DEPLOY

The screenshot shows the IBM Cloud console interface for a Kubernetes cluster named 'ibm-mycluster-free'. The cluster is in a 'Normal' state and expires in 30 days. The overview page displays the following information:

- Node status:** 1 of 1 Normal
- Add-on status:** 0 of 0 Normal
- Master status:** Normal
- Ingress status:** Healthy

**Details:**

- Cluster ID: cds6tg7f0eek4cabn5j0
- Version: 1.24.8\_1544
- Infrastructure: Classic
- Zones: Milan 01
- Created: 19/11/2022, 11:20 am
- Resource group: Default
- Image security enforcement: [Enable](#)

**Node health:** 1 total nodes

The interface includes a sidebar with navigation options: Overview, Worker nodes, Worker pools, and DevOps (marked as 'New'). A top navigation bar shows the IBM Cloud logo, a search bar, and user account information (Ramakrishnan E's Acco...). A bottom status bar displays the system clock (1:16 PM, 11/19/2022) and system icons.

IBM Project-7995-16: (765) how Deploy Cl... Clusters - IBM Cloud Kubernetes Dashboard IBM Cloud Shell ibm-mycluster-free

cloud.ibm.com/kubernetes/clusters

IBM Cloud Search resources and products... Catalog Manage Ramakrishnan E's Acco...

### Kubernetes clusters

Resource group: Filter... Location: Filter... Search Create cluster +

Name	State	Location	Worker count	Created	Version	Infrastructure
ibm-mycluster-free	Normal	Milan	1	Expires in 30 days	1.24.0_1544	Classic

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

Waiting for api.segment.io... 79°F Partly sunny 11:50 AM 11/19/2022

IBM IBM-EPBL/IBM-Proje... (765) how Deploy Cl... IBM Cloud Shell ibm-mycluster-free ibm-mycluster-free (no subject) - ramuel...

cloud.ibm.com/kubernetes/clusters/cds6tg7f0oek4cabn5j0/overview

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### ibm-mycluster-free

Cluster status: Normal

Expires In... Be sure to... the service

Overview

- Worker nodes
- Worker pools
- DevOps New

Node status

1 of 1 Normal

Details

Cluster ID: cds6tg7f0oek4cabn5j0

Created: 19/11/2022, 11:50 AM

Node health

1 total nodes

#### Connect via CLI

Cluster status: Normal

If this is your first time connecting to an IBM Cloud cluster, see the [full setup directions](#).

- Log in to your IBM Cloud account. Include the --sso option if using a federated ID.  
`ibmcloud login -a cloud.ibm.com -r eu-de -g Default`
- Set the Kubernetes context to your cluster for this terminal session. For more information about this command, [see the docs](#).  
`ibmcloud ks cluster config --cluster cds6tg7f0oek4cabn5j0`
- Verify that you can connect to your cluster.  
`kubectl config current-context`

Now, you can run `kubectl` commands to manage your cluster workloads in IBM Cloud! For a full list of commands, see the [Kubernetes docs](#).

**Tip:** Plan to use multiple clusters? Repeat these steps for each cluster. Then, you can use the `kubectl config use-context` command to switch your context to a different cluster.

Ingress status: Healthy

Docs

Zones: Milan 01

Worker node details

81°F Partly sunny 12:30 PM 11/19/2022