

DEPLOYMENT OF APP IN IBM CLOUD

DEPLOY IN KUBERNETS CLUSTER

TEAM ID	PNT2022TMID02772
PROJECT NAME	Smart Fashion Recommender Application

Create a kubernetes Cluster:

Overview

Worker nodes

Worker pools

DevOps **New**

mycluster-free Preparing master, workers... Expires in 30 days Add tags

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
Pending
[Details](#)

Add-on status
0 of 0
Normal
[Details](#)

Master status
Unknown
[Docs](#)

Ingress status
Pending
[Docs](#)

Details

Cluster ID	Version	Infrastructure	Zones
cd11sfbf0h5ghc1r5ct0	1.24.7_1542	Classic	Milan 01
Created	Resource group	Image security enforcement	
11/9/2022, 1:31 PM	Default	Enable	

Node health [Worker node details](#)

1 total nodes

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

Networking

Service endpoint URL

☒ Public enabled [Copy link](#)

☐ Private disabled [Copy link](#)

Integrations

Logging Monitoring Key management service

Details

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eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdlisfbf0h5ghc1r5ct0/service/#/clusterrole/kubernetes-dashboard?namespace=default

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kubernetes default Search

Cluster > Cluster Roles > **kubernetes-dashboard**

Storage Classes

Cluster

Cluster Role Bindings

Cluster Roles

Events

Namespaces

Network Policies

Nodes

Persistent Volumes

Role Bindings

Roles

Service Accounts

Custom Resource Definitions

Settings

About

Metadata

Name	Created	Age	UID
kubernetes-dashboard	Nov 9, 2022	2 hours ago	fcf8c165-ad30-4532-9ac9-375aea34e713

Labels

addonmanager.kubernetes.io/mode: Reconcile k8s-app: kubernetes-dashboard

Annotations

kubectl.kubernetes.io/last-applied-configuration

Rules

Resources	Non-resource URL	Resource Names	Verbs	API Groups
Pods, nodes	-	-	get, list, watch	metrics.k8s.io

eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdlisfbf0h5ghc1r5ct0/service/#/discovery?namespace=default

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Service

Storage Classes

Cluster

Cluster Role Bindings

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Services

Name	Labels	Type	Cluster IP	Internal Endpoints	External Endpoints	Created
kubernetes	Show all	ClusterIP	172.21.0.1	kubernetes:443 TCP kubernetes:0 TCP	-	2 hours ago

Click on the **Worker Nodes** tab to note the cluster's Public IP.

The screenshot shows the IBM Cloud Kubernetes dashboard. The cluster is named 'mycluster-free' and is in a 'Normal' state, with a warning that it 'Expires in 30 days'. The 'Worker nodes' tab is selected, displaying a table of worker nodes. The table has columns for Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. One node is listed with the name '000000da', status 'Normal', worker pool 'default', zone 'Milan 01', private IP '10.144.187.16', public IP '159.122.181.160', and version '1.24.7_1543'. The interface includes a search bar, a 'Kubernetes dashboard' link, and an 'Add' button for new nodes.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000da	Normal	default	Milan 01	10.144.187.16	159.122.181.160	1.24.7_1543

Kubernetes Deployments:

The screenshot shows the Kubernetes Workloads dashboard. The 'Workload Status' section displays three green circles representing the status of Deployments, Pods, and Replica Sets, each with a label 'Running: 1'. Below this, the 'Deployments' section shows a table with columns for Name, Images, Labels, Pods, and Created. One deployment is listed with the name 'app-dep', image 'Show all', labels '-', pods '1 / 1', and created 'an hour ago'.

Name	Images	Labels	Pods	Created
app-dep	Show all	-	1 / 1	an hour ago