Creating Kubernetes Cluster using IBM Cloud Container Registry

Team Id: **PNT2022TMID26762**

Project Name: **PLASMA DONOR APPLICATION**

Screenshot 1 — mycluster-free - IBM Cloud

mycluster-free - IBM Cloud   mycluster-free - Kubernetes Das

cloud.ibm.com/kubernetes/clusters/cdp7gjdf0au0gjhr5e0g/overview

IBM Cloud

Search resources and products...   Catalog   Manage ⌄   Kamlesh Kumar Kohli's...

Clusters /

🔷 mycluster-free   ● Normal   Expires in 26 days   Add tags ✏   Help   Kubernetes dashboard ⧉   Actions... ⌄

Overview
Worker nodes
Worker pools
DevOps New

ⓘ **Expires in 26 days:**
Be sure to back up your data, your cluster will be deleted in 26 days. To access the full capabilities of the service, try out a standard cluster.

Node status	Add-on status	Master status	Ingress status
1 of 1	**0 of 0**	**Normal**	**Healthy** ⓘ
● Normal	● Normal	●	●
Details ↓	Details ↓	Docs ↗	Docs ↗

Details

Cluster ID
cdp7gjdf0au0gjhr5e0g 📋

Version
1.24.7_1542

Infrastructure
Classic

Zones
Milan 01

Created
11/14/2022, 10:48 PM

Resource group
Default

Image security enforcement
[Enable]

Node health

Worker node details

1 total nodes

Screenshot 2 — mycluster-free - Kubernetes Dashboard

cloud.ibm.com   bpe61bfd0365e9u4psdglite.db2   mycluster-free - Kubernetes Das   SendGrid

eu-de-containers.cloud.ibm.com/kubeproxy/clusters/cdp7gjdf0au0gjhr5e0g/service/#/node?namespace=default

⎈ **kubernetes**   default ⌄   🔍 Search   + 🔔 👤

☰ Cluster > **Nodes**

Workloads Ⓝ
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets

Service
Ingresses Ⓝ
Ingress Classes
Services Ⓝ

Config and Storage
Config Maps Ⓝ
Persistent Volume Claims Ⓝ
Secrets Ⓝ
Storage Classes

Cluster

CPU Usage
CPU (cores)
0.2
0.1
0
23:30 23:31 23:32 23:33 23:34 23:35 23:36 23:37 23:38 23:39 23:40 23:41 23:42

Memory Usage
Memory (bytes)
2 Gi
1 Gi
0 Gi
23:30 23:31 23:32 23:33 23:34 23:35 23:36 23:37 23:38 23:39 23:40 23:41 23:42

Nodes

Name	Labels	Ready	CPU requests (cores)	CPU limits (cores)	CPU capacity (cores)	Memory requests (bytes)	Memory limits (bytes)	Memory capacity (bytes)	Pods	Create
● 10.144.186.35	Show all	True	959.00m (49.95%)	498.00m (25.94%)	1.92	724.52Mi (26.81%)	5.43Gi (205.90%)	2.64Gi	13 (11.82%)	4 days ago

Screenshot 1

cloud.ibm.com   bpe61bfd0365e9u4psdglite.db2   mycluster-free - Kubernetes Das   SendGrid   +

eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdp7gjdf0au0gjhr5e0g/service/#/service/default/kubernetes?namespace=default

kubernetes

default   Q Search

Service > Services > kubernetes

Pods
Replica Sets
Replication Controllers
Stateful Sets

Service

Ingresses N
Ingress Classes
Services N

Config and Storage

Config Maps N
Persistent Volume Claims N
Secrets N
Storage Classes

Cluster

Cluster Role Bindings
Cluster Roles
Events N
Namespaces
Network Policies N

Metadata

Name	Namespace	Created	Age	UID
kubernetes	default	Nov 14, 2022	4 days ago	f7fa2105-12a8-4060-8898-51c2a5231fbc

Labels
component: apiserver   provider: kubernetes

Resource information

Type	Cluster IP	Session Affinity
ClusterIP	172.21.0.1	None

Endpoints

Host	Ports (Name, Port, Protocol)	Node	Ready
172.20.0.1	https,2040,TCP	-	true

Pods

There is nothing to display here

Screenshot 2

kubernetes

default   Q Search

Cluster > Namespaces

Config Maps N
Persistent Volume Claims N
Secrets N
Storage Classes

Cluster

Cluster Role Bindings
Cluster Roles
Events N
Namespaces
Network Policies N
Nodes
Persistent Volumes
Role Bindings N
Roles N
Service Accounts N

Custom Resource Definitions

Settings

About

Namespaces

Name	Labels	Phase	Created ↑	
● ibm-cert-store	kubernetes.io/metadata.name: ibm-cert-store / Show less	Active	4 days ago	⋮
● ibm-operators	addonmanager.kubernetes.io/mode: EnsureExists / kubernetes.io/metadata.name: ibm-operators / Show less	Active	4 days ago	⋮
● ibm-system	kubernetes.io/metadata.name: ibm-system / Show less	Active	4 days ago	⋮
● default	kubernetes.io/metadata.name: default / Show less	Active	4 days ago	⋮
● kube-node-lease	kubernetes.io/metadata.name: kube-node-lease / Show less	Active	4 days ago	⋮
● kube-public	kubernetes.io/metadata.name: kube-public / Show less	Active	4 days ago	⋮
● kube-system	kubernetes.io/metadata.name: kube-system / Show less	Active	4 days ago	⋮