

# Deploy In Kubernetes Cluster

Team ID: PNT2022TMID27088

Project Name Project - Inventory Management System for Retailers

The image shows two screenshots of cloud and container management interfaces. The top screenshot is the IBM Cloud Clusters console, displaying a 'mycluster-free' cluster in a 'Normal' state. The bottom screenshot is the Docker Desktop interface, showing the 'Inspect' tab for a container named 'webpage'.

**IBM Cloud Clusters Console**

Clusters / mycluster-free Normal Expires in 13 days [Add tags](#) [Help](#) [Kubernetes dashboard](#) [Actions...](#)

Overview

**Worker nodes**

Worker pools

DevOps New

Pool:	Filter...	Search						
	Name	Status	Worker pool	Zone	Private IP	Public IP	Version	
▼	0000001e	<span>Normal</span>	default	Milan 01	10.144.187.128	159.122.181.203	1.24.6_1541	<a href="#">i</a>

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**Docker Desktop** [Upgrade plan](#) praveen9878

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

+ Add Extensions

webpage praveen9878/inv123 RUNNING

Logs **Inspect** Terminal Stats

Environment

PATH	/usr/local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin	<a href="#">Copy</a>
LANG	C.UTF-8	<a href="#">Copy</a>
GPG_KEY	A035C8C19219BA821ECEA86B64E628F8D684696D	<a href="#">Copy</a>
PYTHON_VERSION	3.10.8	<a href="#">Copy</a>
PYTHON_PIP_VERSION	22.2.2	<a href="#">Copy</a>
PYTHON_SETUPTOOLS_VERSION	63.2.0	<a href="#">Copy</a>
PYTHON_GET_PIP_URL	https://github.com/pypa/get-pip/raw/6d265be7a6b5bc4e9c5c07646aee0bf0394be03d/public/get-pip.py	<a href="#">Copy</a>
PYTHON_GET_PIP_SHA256	36c6f6214694ef64cc70f4127ac0ccec668408a93825359d998fb31d24968d67	<a href="#">Copy</a>

RAM 4.65GB CPU 6.78% Connected to Hub v4.13.1

Docker Desktop

Upgrade plan

Containers

Images

Volumes

Dev Environments

Extensions

Add Extensions

< praveen9878/inv1... IN USE

IMAGE ID  
83121baab80f

CREATED  
about 1 hour ago

SIZE  
1.1 GB

More actions

RUN

Image history

Command

0	CMD ["python" "-"/app.py"]	0 Bytes
1	EXPOSE map[5000/tcp:{}]	0 Bytes
2	COPY ..# buildkit	1.06 MB
3	RUN /bin/sh -c pip install -r requirements.txt # buildkit	179.89 MB
4	COPY requirements.txt ./ # buildkit	25 Bytes
5	WORKDIR /app	0 Bytes
6	/bin/sh -c #(nop) CMD ["python3"]	0 Bytes
7	/bin/sh -c set -eux; wget -O get-pip.py "\$PYTHON_GET_PIP_URL...	10.85 MB
8	/bin/sh -c #(nop) ENV PYTHON_GET_PIP_SHA256=36c6f621469...	0 Bytes
9	/bin/sh -c #(nop) ENV PYTHON_GET_PIP_URL=https://github.co...	0 Bytes
10	/bin/sh -c #(nop) ENV PYTHON_SETUPTOOLS_VERSION=63.2.0	0 Bytes

RAM 4.65GB CPU 6.78% Connected to Hub v4.13.1

kubernetes

default

Search

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Workloads

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

Cluster Role Bindings

Running: 1

Running: 3

Running: 1

Deployments

Pods


Replica Sets

Deployments


Name	Images	Labels	Pods	Created
flask-app	Show all	-	3 / 3	33 minutes ago

Pods


Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
flask-app-546446fcc-c8kdm	Show all	Show all	10.144.187.128	Running	0	4.00m	64.99Mi	33 minutes ago
flask-app-546446fcc-fn7cr	Show all	Show all	10.144.187.128	Running	0	4.00m	66.32Mi	33 minutes ago
flask-app-546446fcc-x6vw8	Show all	Show all	10.144.187.128	Running	0	4.00m	68.05Mi	33 minutes ago


kubernetes

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Running: 1

Deployments

Running: 2

Pods

Running: 1

Replica Sets

Deployments

Name	Images	Labels	Pods	Created
flask-app	Show all	-	3 / 3	34 minutes ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
flask-app-5464466fcc-c8kdm	Show all	Show all	10.144.187.128	Running	0	4.00m	64.99Mi	34 minutes ago
flask-app-5464466fcc-fn7cr	Show all	Show all	10.144.187.128	Running	0	4.00m	66.32Mi	34 minutes ago
flask-app-5464466fcc-x6vw8	Show all	Show all	10.144.187.128	Running	0	4.00m	68.05Mi	34 minutes ago

Replica Sets

Name	Images	Labels	Pods	Created
flask-app-5464466fcc	Show all	Show all	3 / 3	34 minutes ago