DEPLOY IN KUBERNETES CLUSTER

Date	04 Nov 2022
Team ID	PNT2022TMID40249
Project Name	SKILL / JOB RECOMMENDER

- 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,
- then 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 new page with information about your cluster and worker node
- Click on the Worker Nodes tab to note the cluster's Public IP.

← → C 🔒 cloud.ibm.com/kubernetes/clusters/cdorinvf0hghh9750h40/nodes

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Clusters /

⬡ mycluster-free   ✓ Normal   Expires in 30 days   Add tags ✎   Help   **Kubernetes dashboard** ⬈   Actions... ⌄

Overview	Pool: Filter... ⌄	🔍 Search				⚙	**Add +**

Worker nodes

Worker pools

DevOps New

	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
⌃ ☐	0000001d	✓ Normal	default	Milan 01	10.144.183.78	159.122.179.198	1.24.7_1543

ID
kube-cdorinvf0hghh9750h40-myclusterfr-default-0000001d

Status	**Flavor**	**Private VLAN**	**Public VLAN**
--	Free - 2 vCPUs 4GB RAM	2218181	2218179

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```dockerfile
FROM python:2.7
LABEL maintainer="Kunal Malhotra, kunal.malhotra1@ibm.com"
RUN apt-get update
RUN mkdir /app
WORKDIR /app
COPY . /app
RUN pip install -r requirements.txt
EXPOSE 5000
ENTRYPOINT [ "python" ]
CMD [ "app.py" ]
```