

Deploy In Kubernetes Cluster

Date	19/11/2022
Team ID	PNT2022TMID41025
Project Name	Inventory Management System for Retailers

Deploy in kubernetes cluster:

```
C:\Windows\System32\cmd.exe
in this context
C:\Users\ADMIN\Desktop\ibmpro>container ls
'container' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\ADMIN\Desktop\ibmpro>docker container ls
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
b3bf536ad6aa   ibmpro    "python ./app.py"        44 minutes ago Up 44 minutes  0.0.0.0:5000->5000/tcp             please
C:\Users\ADMIN\Desktop\ibmpro>kubectl -n kubernetes-dashboard apply -f flask_deployment.yaml
error: error parsing flask_deployment.yaml: error converting YAML to JSON: yaml: line 19: mapping values are not allowed
in this context
C:\Users\ADMIN\Desktop\ibmpro>http://localhost:8001/api/v1/namespaces/kubernetes-dashboard/services/https:kubernetes-das
hboard:/proxy/#/login
'http:' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\ADMIN\Desktop\ibmpro>kubectl -n kubernetes-dashboard apply -f flask_deployment.yaml
error: error parsing flask_deployment.yaml: error converting YAML to JSON: yaml: line 19: mapping values are not allowed
in this context
C:\Users\ADMIN\Desktop\ibmpro>kubectl -n kubernetes-dashboard describe secret admin-user-token
Name:         admin-user-token
Namespace:    kubernetes-dashboard
Labels:       <none>
Annotations:  kubernetes.io/service-account.name: admin-user
               kubernetes.io/service-account.uid: 96b48b29-264f-4bb6-b31b-83b7141cc387
```

kubernetes cluster Dashboard:

The screenshot displays the Kubernetes Dashboard interface. The top navigation bar shows the 'Workloads' section selected. The left sidebar contains a menu with categories: Workloads, Service, Config and Storage, and Cluster. The main content area is divided into three tabs: Deployments, Pods, and Replica Sets. The 'Deployments' tab is active, showing a table with two entries: 'jobportal' and 'flask-app'. The 'Pods' tab is also visible, showing a table with four entries, each representing a pod instance. The 'Replica Sets' tab is also visible, showing a table with two entries: 'jobportal-769df9bc47' and 'flask-app-79447b5c8c'. The dashboard includes various status indicators, such as 'Show all' links and 'Created' timestamps.

Workloads

Deployments

Name	Images	Labels	Pods	Created ↑
jobportal	Show all	-	0 / 1	25 days ago
flask-app	Show all	-	3 / 3	25 days ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
jobportal-769df9bc47-pzx	Show all	Show all	10.144.214.76	ImagePullBackOff	0	-	-	25 days ago
flask-app-79447b5c8c-4d8wv	Show all	Show all	10.144.214.76	Running	0	2.00m	38.77Mi	25 days ago
flask-app-79447b5c8c-dpmn5	Show all	Show all	10.144.214.76	Running	0	2.00m	38.73Mi	25 days ago
flask-app-79447b5c8c-vzvjx	Show all	Show all	10.144.214.76	Running	0	2.00m	38.73Mi	25 days ago

Replica Sets

Name	Images	Labels	Pods	Created ↑
jobportal-769df9bc47	Show all	Show all	0 / 1	25 days ago
flask-app-79447b5c8c	Show all	Show all	3 / 3	25 days ago