

Deploy in Kubernetes

Team ID	PNT2022TMID40988
Project Name	Smart Fashion Recommender Application

```
C:\Users\admin\Documents\IBM\docker\k8s-flask-tutorial>kubectl -n kubernetes-dashboard get pods
NAME                                READY   STATUS    RESTARTS   AGE
dashboard-metrics-scraper-64bcc67c9c-c4sfb  1/1     Running   7 (5h32m ago)  2d12h
flask-app-8569bc947b-4dhck             1/1     Running   0           34s
flask-app-8569bc947b-87l26             1/1     Running   0           80m
flask-app-8569bc947b-8t7hw             1/1     Running   0           80m
flask-app-8569bc947b-dzmzc             1/1     Running   0           34s
flask-app-8569bc947b-hkxvf             1/1     Running   0           34s
flask-app-8569bc947b-ln8s7             1/1     Running   0           80m
flask-app-8569bc947b-q2grj             1/1     Running   0           80m
flask-app-8569bc947b-q9txs             1/1     Running   0           34s
flask-app-8569bc947b-w7fr4             1/1     Running   0           34s
flask-app-8569bc947b-wk4tx             1/1     Running   0           80m
kubernetes-dashboard-66c887f759-622rs    1/1     Running   6 (5h32m ago)  2d12h
```

```
C:\Users\admin\Documents\IBM\docker\k8s-flask-tutorial>kubectl -n kubernetes-dashboard get service
NAME                                TYPE        CLUSTER-IP    EXTERNAL-IP  PORT(S)    AGE
dashboard-metrics-scraper          ClusterIP    10.97.100.223 <none>       8000/TCP   2d13h
flask-app-service                   ClusterIP    10.105.108.32 <none>       5000/TCP   109m
kubernetes-dashboard                ClusterIP    10.100.175.202 <none>       443/TCP    2d13h
```

The screenshot shows the Kubernetes Dashboard interface. The left sidebar contains a navigation menu with categories: Workloads, Service, Config and Storage, and Cluster. The 'Service' category is selected, and the 'flask-app-service' is viewed. The main content area displays the following information:

- Metadata:** Name: flask-app-service, Namespace: kubernetes-dashboard, Created: Oct 9, 2022, Age: an hour ago, UID: f208bef5-8ae6-4035-8003-6a93d9aeac3e. Annotations include: kubectl.kubernetes.io/last-applied-configuration.
- Resource information:** Type: ClusterIP, Cluster IP: 10.105.108.32, Session Affinity: None. Selector: app: flask-app.
- Endpoints:** A table showing two endpoints on host 10.1.0.42, both with ports <unset>,5000,TCP, on node docker-desktop, with a Ready status of true.

Host	Ports (Name, Port, Protocol)	Node	Ready
10.1.0.41	<unset>,5000,TCP	docker-desktop	true
10.1.0.42	<unset>,5000,TCP	docker-desktop	true