

DEPLOY IN KUBERNETES CLUSTER

DATE	14 NOVEMBER 2022
TEAM ID	PNT2022TMID39797
PROJECT NAME	Smart Fashion Recommender Application

DEPLOY IN KUBERNETES CLUSTER:

```
C:\Users\admin\Documents\IBM\dockers\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\dockers\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 navigation links for Workloads, Service, Config and Storage, and Cluster. The main content area displays details for the 'flask-app-service' in the 'kubernetes-dashboard' namespace. The 'Metadata' section shows the service was created on Oct 9, 2022, at an hour ago, with UID f208bef5-8ae6-4035-8003-6a93d9aeac3e. The 'Resource information' section shows the service is of type ClusterIP, with cluster IP 10.105.108.32 and no session affinity. The 'Endpoints' section shows two endpoints on host 10.1.0.41 and 10.1.0.42, both with ports <unset>.5000.TCP, on node docker-desktop, with ready status 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