

## Upload Image To IBM Container

Team ID	PNT2022TMID03890
Project Name	Smart Fashion Recommender Application

### CREATING IMAGE IN DOCKER:

```
C:\Users\musammil-pt5773\Desktop\Python>docker build -t flask_ibm .
[+] Building 169.7s (11/11) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 186B                                              0.0s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 2B                                                  0.0s
=> [internal] load metadata for docker.io/library/python:3.10.6                 31.8s
=> [auth] library/python:pull token for registry-1.docker.io                    0.0s
=> [1/5] FROM docker.io/library/python:3.10.6@sha256:745efdfb7e4aac9a8422bd8c62d8bc35a693e8979a240d29677cb03e6aa 0.0s
=> [internal] load build context                                                0.1s
=> => transferring context: 165.57kB                                           0.1s
=> CACHED [2/5] WORKDIR /app                                                    0.0s
=> [3/5] COPY requirements.txt ./                                                0.1s
=> [4/5] RUN pip install -r requirements.txt                                    135.0s
=> [5/5] COPY . .                                                              0.1s
=> exporting to image                                                            2.4s
=> => exporting layers                                                            2.3s
=> => writing image sha256:a595cf92272a304b646caa4aff9e0ae08b94b3e5092059d91bce38c2248f161f 0.0s
=> => naming to docker.io/library/flask_ibm                                    0.0s
```

## CONTAINERISING THE IMAGE:

```
C:\Users\musammil-pt5773\Desktop\Python>docker run -p 5000:5000 flask_ibm
* Serving Flask app 'Hello'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 883-075-625
172.17.0.1 - - [18/Nov/2022 12:23:13] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 12:23:13] "GET /static/images/adminad.jfif HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 12:23:14] "GET /favicon.ico HTTP/1.1" 404 -
172.17.0.1 - - [18/Nov/2022 12:23:15] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 12:23:15] "GET /static/images/adminad.jfif HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 12:23:18] "GET /login HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 12:23:18] "GET /static/css/login.css HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 12:23:18] "GET /static/images/gradient-cactus.jpg HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 12:23:27] "POST /check HTTP/1.1" 302 -
172.17.0.1 - - [18/Nov/2022 12:23:28] "GET /admin HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 12:23:47] "GET /logout HTTP/1.1" 302 -
172.17.0.1 - - [18/Nov/2022 12:23:47] "GET /login HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 12:23:47] "GET /static/css/login.css HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 12:23:47] "GET /static/images/gradient-cactus.jpg HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 12:23:57] "POST /check HTTP/1.1" 302 -
172.17.0.1 - - [18/Nov/2022 12:23:57] "GET /home HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 12:23:57] "GET /static/images/codetree.jpg HTTP/1.1" 200 -
```

SING THE IMAGE:

Containers






[Give feedback](#)

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

☐

Only show running containers

Search

		NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>		<b>strange_hoover</b> e59664391861	<a href="#">docker/getting-started:latest</a>	Exited (255)	80:80		<div><div></div><div></div><div></div></div>
<input type="checkbox"/>		<b>pensive_shockley</b> e98df1336b2f	<a href="#">flask_ibm:latest</a>	Exited	5000:5000		<div><div></div><div></div><div></div></div>
<input type="checkbox"/>		<b>elated_aryabhata</b> 98f0211cc3ad	<a href="#">flask_with_ibm_db2:latest</a>	Exited (1)	5001:5001		<div><div></div><div></div><div></div></div>
<input type="checkbox"/>		<b>fervent_mccarthy</b> 4654d8e61ef3	<a href="#">flask_with_ibm_db2:latest</a>	Exited (1)	5001:5001		<div><div></div><div></div><div></div></div>
<input type="checkbox"/>		<b>interesting_shirley</b> 173ef9a28fed	<a href="#">hello_world:latest</a>	Exited (137)	5002:5002		<div><div></div><div></div><div></div></div>

IBM CLOUD CR LOGIN:

```
C:\Users\musammil-pt5773\Desktop\Python>ibmcloud login
```

```
API endpoint: https://cloud.ibm.com
```

```
Email> sec19cs069@sairamtap.edu.in
```

```
Password>
```

```
Authenticating...
```

```
Credentials were rejected.
```

```
Code: BXNIM0602E, message: The credentials you entered for the user 'sec19cs069@sairamtap.edu.in' are incorrect.
```

```
Password>
```

```
Authenticating...
```

```
Credentials were rejected.
```

```
Code: BXNIM0602E, message: The credentials you entered for the user 'sec19cs069@sairamtap.edu.in' are incorrect.
```

```
Password>
```

```
Authenticating...
```

```
OK
```

```
Targeted account Mohamed Musammil's Account (f573a30aa84f432a91a05468f825e886)
```

# CREATING REPOSITORY IN IBM CLOUD:

Location

Tokyo

Resource group: Filter...

Search



Create



Name

Resource group

Repository count

Image count

Retention policy



flask-with-ibm

Default

1

1

Retain all images



Items per page: 10



1-1 of 1 item

1




1 of 1 page



Location

Tokyo

<div>Q Search</div>					<div>↺ ⚙</div>	Create +
<input type="checkbox"/>	Name		Image count	Namespace	Last updated	
▼ <input type="checkbox"/>	<div> flask_ibm</div> <div>jp.icr.io/flask-with-ibm/flask_ibm</div>		1	flask-with-ibm	3 hours ago	⋮
Items per page: 25 ▼		1-1 of 1 item			1 ▼ 1 of 1 page	◀ ▶

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl -n kubernetes-dashboard describe serviceaccount admin-user
Name:          admin-user
Namespace:     kubernetes-dashboard
Labels:        <none>
Annotations:   <none>
Image pull secrets: <none>
Mountable secrets: <none>
Tokens:        admin-user-token
Events:        <none>

C:\Users\musammil-pt5773\Desktop\Python>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: b2e55ca8-9e50-4092-bc93-8a45a5684b05
Type:          kubernetes.io/service-account-token
```

## UPLOAD IMAGE TO IBM CONTAINER REGISTRY:

Location: Tokyo

View by: Digest    Search    [Create](#) [+](#)

<input type="checkbox"/>	Repository@digest	Tags	Manifest type	Created	Size	Security status
<input type="checkbox"/>	flask-with-ibm/flask_ibm@sha256:b61b3b81dd88...	latest	Docker	3 hours ago	449 MB	26 issues

Items per page: 25    1-1 of 1 item    1    1 of 1 page   

## PUSHING IMAGE TO IBM CONTAINER REGISTRY:

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl -n kubernetes-dashboard describe serviceaccount admin-user
```

```
Name:          admin-user
Namespace:     kubernetes-dashboard
Labels:        <none>
Annotations:   <none>
Image pull secrets: <none>
Mountable secrets: <none>
Tokens:        admin-user-token
Events:        <none>
```

```
C:\Users\musammil-pt5773\Desktop\Python>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: b2e55ca8-9e50-4092-bc93-8a45a5684b05
```

```
Type: kubernetes.io/service-account-token
```

```
C:\Users\musammil-pt5773\Desktop\Python>ibmcloud login
```

```
API endpoint: https://cloud.ibm.com
```

```
Email> sec19cs069@sairamtap.edu.in
```

```
Password>
```

```
Authenticating...
```

```
Credentials were rejected.
```

```
Code: BXNIM0602E, message: The credentials you entered for the user 'sec19cs069@sairamtap.edu.in' are incorrect.
```

```
Password>
```

```
Authenticating...
```

```
Credentials were rejected.
```

```
Code: BXNIM0602E, message: The credentials you entered for the user 'sec19cs069@sairamtap.edu.in' are incorrect.
```

```
Password>
```

```
Authenticating...
```

```
OK
```

```
Targeted account Mohamed Musammil's Account (f573a30aa84f432a91a05468f825e886)
```



```
C:\Users\musammil-pt5773\Desktop\Python>kubectl -n kubernetes-dashboard describe serviceaccount admin-user
Name:                admin-user
Namespace:           kubernetes-dashboard
Labels:              <none>
Annotations:         <none>
Image pull secrets:  <none>
Mountable secrets:   <none>
Tokens:              admin-user-token
Events:              <none>

C:\Users\musammil-pt5773\Desktop\Python>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: b2e55ca8-9e50-4092-bc93-8a45a5684b05
Type:                kubernetes.io/service-account-token
```

## **CREATING AND GENERATING SERVICE ACCOUNT IN KUBERNETES:**

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f dashboard-adminuser.yaml
serviceaccount/admin-user unchanged
secret/admin-user-token created
clusterrolebinding.rbac.authorization.k8s.io/admin-user unchanged
```

# CREATING CLUSTER IN IBM CLOUD:

IBM Cloud

Search resources and products...

Catalog Manage Mohamed Musammil's ...

mycluster-free Normal Expires in 30 days Add tags Help Kubernetes dashboard Actions...

**Overview**

- Worker nodes
- Worker pools
- DevOps **New**

**Expires in 30 days:**  
Be sure to back up your data, your cluster will be deleted in 30 days. To access the full capabilities of the service, try out a [standard cluster](#).

**Node status**  
1 of 1  
Normal  
[Details ↓](#)

**Add-on status**  
0 of 0  
Normal  
[Details ↓](#)

**Master status**  
Normal  
[Docs ↗](#)

**Ingress status**  
Healthy ⓘ  
[Docs ↗](#)

**Details**

Cluster ID cds72cdf03d7g58o98eg	Version 1.24.8_1544	Infrastructure Classic	Zones Milan 01
Created 11/19/2022, 11:31 AM	Resource group Default	Image security enforcement <a href="#">Enable</a>	

**Node health** [Worker node details](#)

1 total nodes

14/12

```

C:\Users\musammil-pt5773\Desktop\Python>ibmcloud cr login
Logging 'docker' in to 'jp.icr.io'...
Logged in to 'jp.icr.io'.
[+] Building 29.2s (11/11) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 186B                                              0.0s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 2B                                                  0.0s
=> [internal] load metadata for docker.io/library/python:3.10.6                 28.8s
=> [auth] library/python:pull token for registry-1.docker.io                   0.0s
=> [internal] load build context                                                 0.1s
=> => transferring context: 249.13kB                                           0.1s
=> [1/5] FROM docker.io/library/python:3.10.6@sha256:745efdfb7e4aac9a8422bd8c62d8bc35a693e8979a240d29677cb03e6aa 0.0s
=> CACHED [2/5] WORKDIR /app                                                    0.0s
=> CACHED [3/5] COPY requirements.txt ./                                         0.0s
=> CACHED [4/5] RUN pip install -r requirements.txt                             0.0s
=> [5/5] COPY . .                                                              0.1s
=> exporting to image                                                          0.1s
=> => exporting layers                                                         0.1s
=> => writing image sha256:5a885c0e2b22205f049798800c35d6ab3958284d5384c2054da825291047fc50 0.0s
=> => naming to docker.io/library/flask_ibm                                    0.0s

```

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

```

C:\Users\musammil-pt5773\Desktop\Python>docker run -p 5000:5000 flask_ibm
* Serving Flask app 'Hello'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 444-602-454
172.17.0.1 - - [19/Nov/2022 09:00:27] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [19/Nov/2022 09:00:27] "GET /static/images/adminad.jfif HTTP/1.1" 200 -
172.17.0.1 - - [19/Nov/2022 09:00:27] "GET /favicon.ico HTTP/1.1" 404 -

```

```
C:\Users\musammil-pt5773\Desktop\Python>ibmcloud cr login
Logging 'docker' in to 'jp.icr.io'...
Logged in to 'jp.icr.io'.
```

OK

```
C:\Users\musammil-pt5773\Desktop\Python>docker tag flask_ibm jp.icr.io/flask-with-ibm/flask_ibm_app
```

```
C:\Users\musammil-pt5773\Desktop\Python>docker push jp.icr.io/flask-with-ibm/flask_ibm_app
```

Using default tag: latest

The push refers to repository [jp.icr.io/flask-with-ibm/flask\_ibm\_app]

fa633a880ff3: Preparing

89184a79e390: Preparing

60f225c40618: Preparing

3ee2800597ab: Preparing

bfc1deb8136e: Preparing

1f123186824c: Waiting

3d6eb1152931: Waiting

100796cdf3b1: Waiting

54acb5a6fa0b: Waiting

8d51c618126f: Waiting

9ff6e4d46744: Waiting

a89d1d47b5a1: Waiting

655ed1b7a428: Waiting

denied: You have exceeded your storage quota. Delete one or more images, or review your storage quota and pricing plan. For more information, see <https://ibm.biz/BdPdFA>.

```
C:\Users\musammil-pt5773\Desktop\Python>docker push jp.icr.io/flask-with-ibm/flask_ibm_app
```

Using default tag: latest

The push refers to repository [jp.icr.io/flask-with-ibm/flask\_ibm\_app]

fa633a880ff3: Pushed

89184a79e390: Mounted from flask-with-ibm/flask\_ibm

60f225c40618: Mounted from flask-with-ibm/flask\_ibm

3ee2800597ab: Mounted from flask-with-ibm/flask\_ibm

bfc1deb8136e: Mounted from flask-with-ibm/flask\_ibm

1f123186824c: Mounted from flask-with-ibm/flask\_ibm

3d6eb1152931: Mounted from flask-with-ibm/flask\_ibm

100796cdf3b1: Mounted from flask-with-ibm/flask\_ibm

54acb5a6fa0b: Mounted from flask-with-ibm/flask\_ibm

8d51c618126f: Mounted from flask-with-ibm/flask\_ibm

9ff6e4d46744: Mounted from flask-with-ibm/flask\_ibm

a89d1d47b5a1: Mounted from flask-with-ibm/flask\_ibm

655ed1b7a428: Mounted from flask-with-ibm/flask\_ibm

latest: digest: sha256:3c05e72b6f00fc7d462ab6f00105c48c270dec08352e71a07199921550e9e0bb size: 3053

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/flask-services.yaml
service/flask-ibmapp-service configured
```

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/flask-ingress.yaml
ingress.networking.k8s.io/flask-ibmapp-ingress unchanged
```

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/ibm_deployment.yaml
deployment.apps/flask-ibm unchanged
```

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl get svc
NAME                                TYPE                CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE
flask-app-service                  NodePort            172.21.127.57 <none>         5005:30036/TCP   94m
flask-ibmapp-service              NodePort            172.21.59.183 <none>         5000:31036/TCP   64m
kubernetes                         ClusterIP           172.21.0.1    <none>         443/TCP          4h4m
```

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl get ing
NAME                                CLASS    HOSTS    ADDRESS    PORTS    AGE
flask-app-ingress                  <none>   *        *          80       94m
flask-ibmapp-ingress              <none>   *        *          80       64m
```

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl get nodes -o wide
NAME                                STATUS    ROLES    AGE    VERSION    INTERNAL-IP    EXTERNAL-IP    OS-IMAGE    KERNEL-VERSION
10.144.183.253 Ready     <none>   3h56m  v1.24.7+IKS  10.144.183.253  169.51.194.250  Ubuntu 18.04.6 LTS  4.15.0-194-generic
containerd://1.6.8
```

```
C:\Users\musammil-pt5773\Desktop\Python>
```

```
C:\Users\musammil-pt5773\Desktop\Python>
C:\Users\musammil-pt5773\Desktop\Python>ibmcloud ks cluster config --cluster cds72cdf03d7g58o98eg
OK
The configuration for cds72cdf03d7g58o98eg was downloaded successfully.

Added context for cds72cdf03d7g58o98eg to the current kubeconfig file.
You can now execute 'kubectl' commands against your cluster. For example, run 'kubectl get nodes'.
If you are accessing the cluster for the first time, 'kubectl' commands might fail for a few seconds while RBAC synchronizes.

C:\Users\musammil-pt5773\Desktop\Python>ibmcloud ks cluster ls
OK

```

Name	ID	State	Created	Workers	Location	Version	Resource Group Name	Provider
mycluster-free	cds72cdf03d7g58o98eg	normal	3 hours ago	1	ams03	1.24.8_1544	Default	classic

```

C:\Users\musammil-pt5773\Desktop\Python>kubectl config current-context
mycluster-free/cds72cdf03d7g58o98eg

C:\Users\musammil-pt5773\Desktop\Python>kubect apply -f kubernetes/ibm_deployment.yaml
'kubect' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/ibm_deployment.yaml
deployment.apps/flask-ibm created

C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/flask-services.yaml
service/flask-ibmapp-service created

C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/flask-ingres.yaml
error: the path "kubernetes/flask-ingres.yaml" does not exist

C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/flask-ingress.yaml
ingress.networking.k8s.io/flask-ibmapp-ingress created

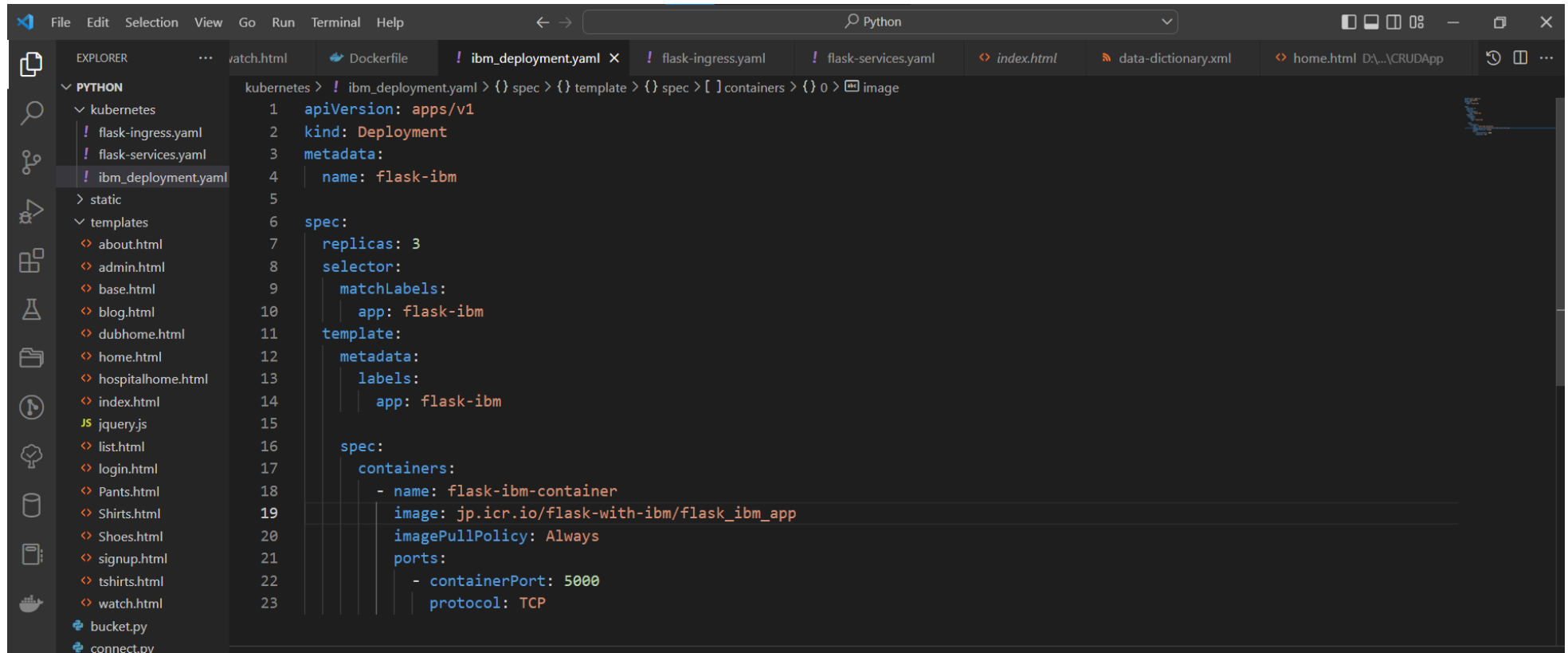
C:\Users\musammil-pt5773\Desktop\Python>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: jp-tok

Email> sec19cs069@sairamtap.edu.in

Password>
Authenticating...
Credentials were rejected.
Code: BXNIM0602E, message: The credentials you entered for the user 'sec19cs069@sairamtap.edu.in' are incorrect.

Password>
Authenticating...
OK
```







# DEPLOY IN KUBERNETES CLUSTER

```
Password>
Authenticating...
OK

Targeted account Mohamed Musammil's Account (f573a30aa84f432a91a05468f825e886)

API endpoint: https://cloud.ibm.com
Region: jp-tok
User: sec19cs069@sairamtap.edu.in
Account: Mohamed Musammil's Account (f573a30aa84f432a91a05468f825e886)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/ibm_deployment.yaml
deployment.apps/flask-ibm unchanged

C:\Users\musammil-pt5773\Desktop\Python>kubectl get svc
NAME                TYPE        CLUSTER-IP    EXTERNAL-IP  PORT(S)    AGE
flask-app-service    ClusterIP   172.21.127.57 <none>       5005/TCP    37m
flask-ibmapp-service ClusterIP   172.21.59.183 <none>       5000/TCP    7m18s
kubernetes            ClusterIP   172.21.0.1    <none>       443/TCP     3h7m

C:\Users\musammil-pt5773\Desktop\Python>kubectl get ing
NAME                CLASS  HOSTS  ADDRESS  PORTS  AGE
flask-app-ingress   <none> *      80       37m
flask-ibmapp-ingress <none> *      80       7m16s

C:\Users\musammil-pt5773\Desktop\Python>kubectl get nodes -o wide
NAME                STATUS  ROLES  AGE  VERSION  INTERNAL-IP  EXTERNAL-IP  OS-IMAGE             KERNEL-VERSION  CONTAINER-RUNTIME
10.144.183.253      Ready   <none>  179m v1.24.7+IKS  10.144.183.253  169.51.194.250  Ubuntu 18.04.6 LTS   4.15.0-194-generic  containerd://1.6.8

C:\Users\musammil-pt5773\Desktop\Python>
```

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/flask-services.yaml
service/flask-ibmapp-service configured
```

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/flask-ingress.yaml
ingress.networking.k8s.io/flask-ibmapp-ingress unchanged
```

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl apply -f kubernetes/ibm_deployment.yaml
deployment.apps/flask-ibm unchanged
```

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl get svc
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
flask-app-service	NodePort	172.21.127.57	<none>	5005:30036/TCP	94m
flask-ibmapp-service	NodePort	172.21.59.183	<none>	5000:31036/TCP	64m
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	4h4m

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl get ing
```

NAME	CLASS	HOSTS	ADDRESS	PORTS	AGE
flask-app-ingress	<none>	*		80	94m
flask-ibmapp-ingress	<none>	*		80	64m

```
C:\Users\musammil-pt5773\Desktop\Python>kubectl get nodes -o wide
```

NAME	STATUS	ROLES	AGE	VERSION	INTERNAL-IP	EXTERNAL-IP	OS-IMAGE	KERNEL-VERSION
10.144.183.253	Ready	<none>	3h56m	v1.24.7+IKS	10.144.183.253	169.51.194.250	Ubuntu 18.04.6 LTS	4.15.0-194-generic
	containerd://1.6.8							

```
C:\Users\musammil-pt5773\Desktop\Python>
```

IBM Cloud

Container Registry

Quick start

Namespaces1

Repositories2

Images2

Trash1

Settings

Search resources and products...



CatalogManageMohamed Musammil's ...

Repositories

LocationTokyo

Search

Create

	Name	Image count	Namespace	Last updated
▼	 <b>flask_ibm_app</b> jp.icr.io/flask-with-ibm/flask_ibm_app	1	flask-with-ibm	15 minutes ago
▼	 <b>flask-testing</b> jp.icr.io/flask-with-ibm/flask-testing	1	flask-with-ibm	1 hour ago

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Windows taskbar with search bar, icons, and system tray showing time 14:54.

≡ Workloads

Workloads N

- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

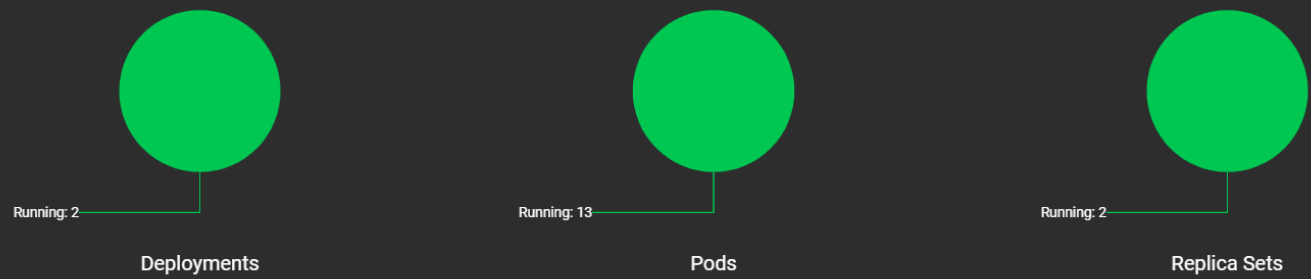
Service

- Ingresses N
- Ingress Classes
- Services N



Config and Storage

- Config Maps N
- Persistent Volume Claims N
- Secrets N
- Storage Classes

Workload Status



Deployments

Name	Images	Labels	Pods	Created ↑
 flask-ibm	<a href="#">Show all</a>	-	3 / 3	15 minutes ago
 flask-app	<a href="#">Show all</a>	-	10 / 10	45 minutes ago

Workloads N

Cron Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses N

Ingress Classes

Services N

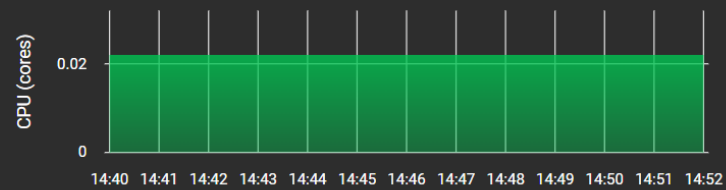
Config and Storage

Config Maps N

Persistent Volume Claims N

Secrets N

CPU Usage



Memory Usage



Deployments

Name	Images	Labels	Pods	Created ↑
<span>flask-ibm</span>	<a href="#">Show all</a>	-	3 / 3	16 minutes ago
<span>flask-app</span>	<a href="#">Show all</a>	-	10 / 10	46 minutes ago

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