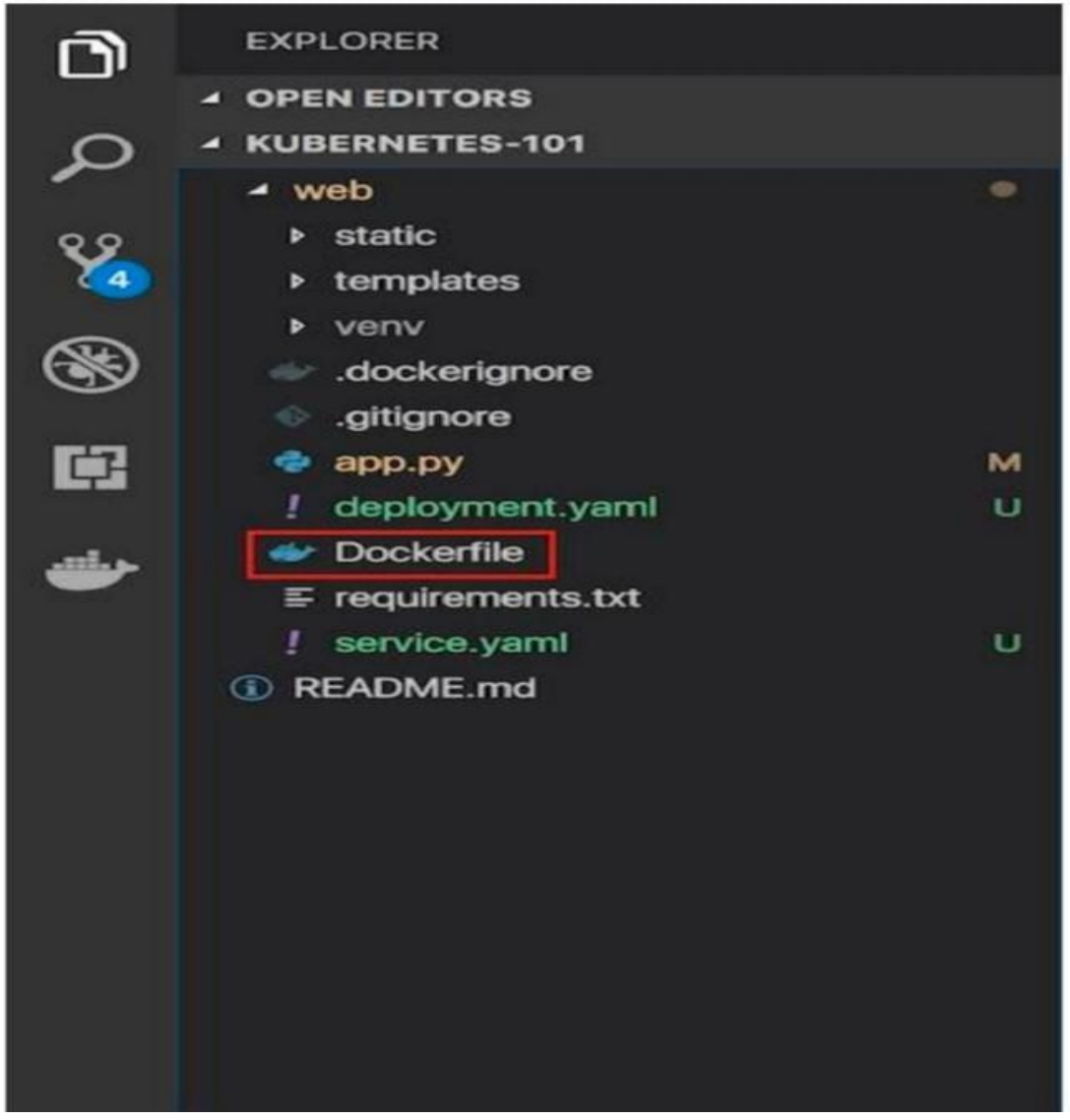
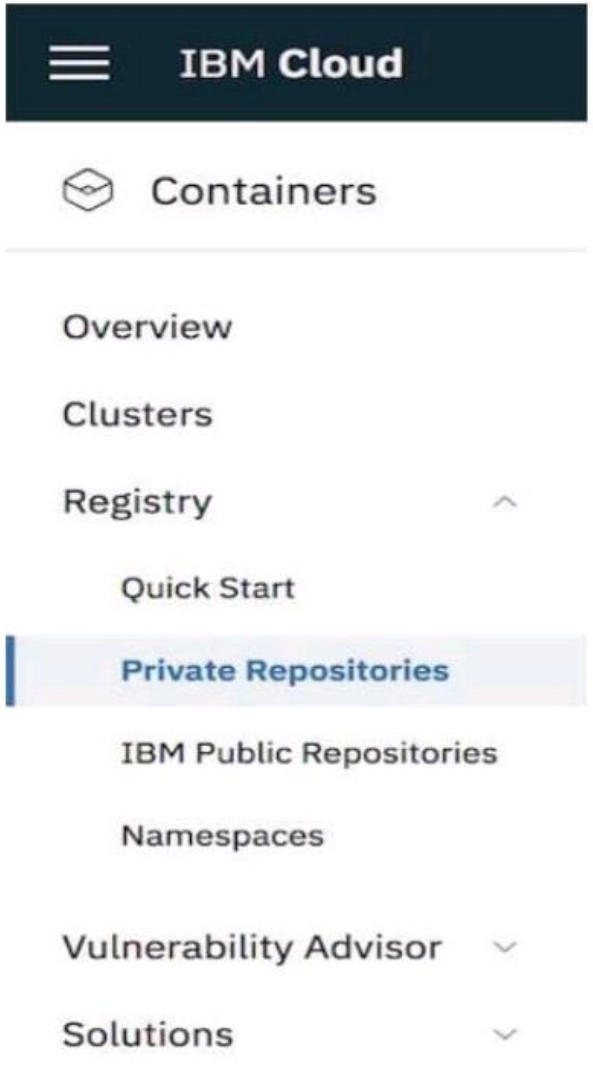
DEPLOYMENT OF APP IN IBM CLOUD

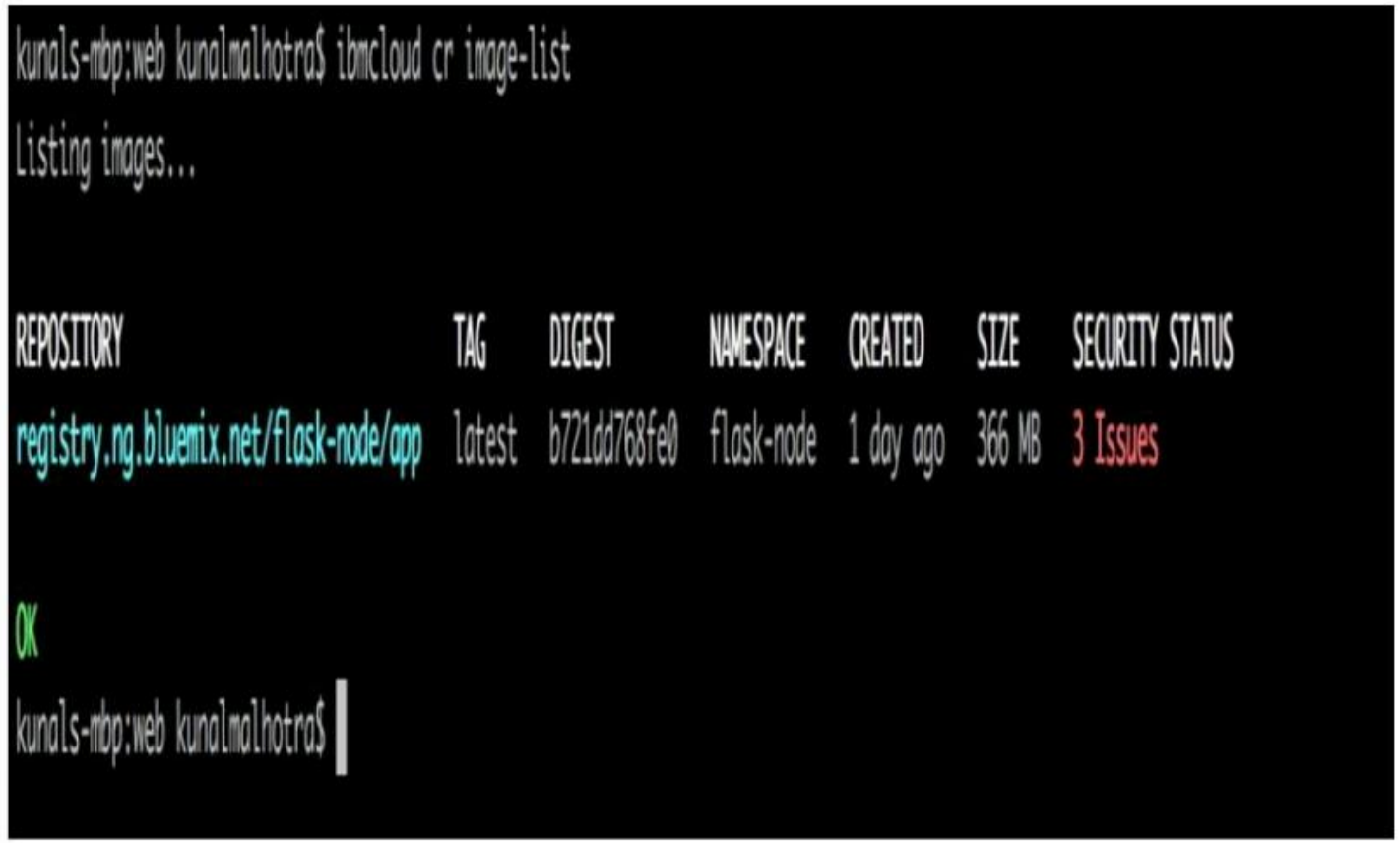
CONTAINERIZE THE APP



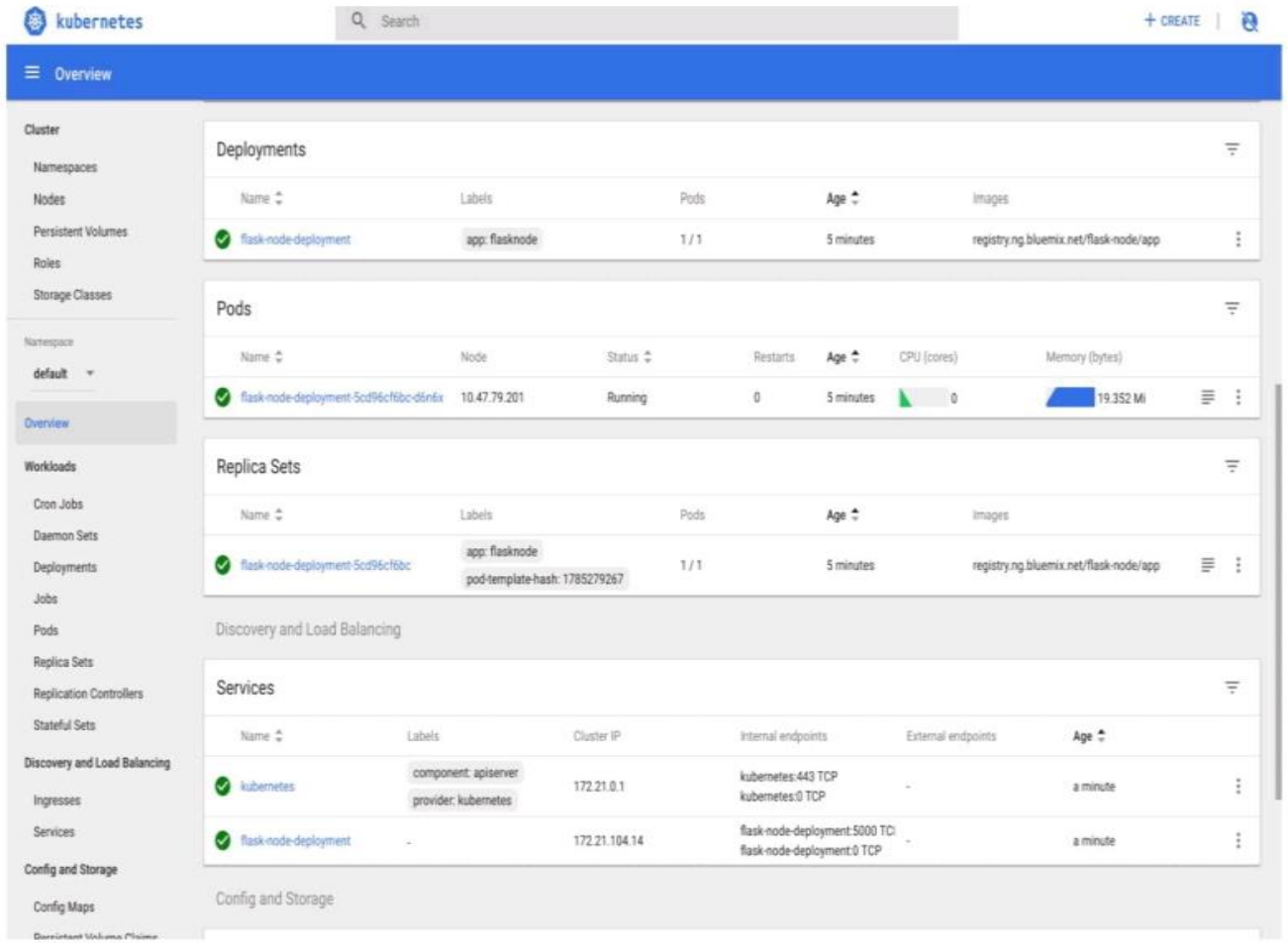
UPLOAD IMAGE TO IBM CONTAINER REGISTRY

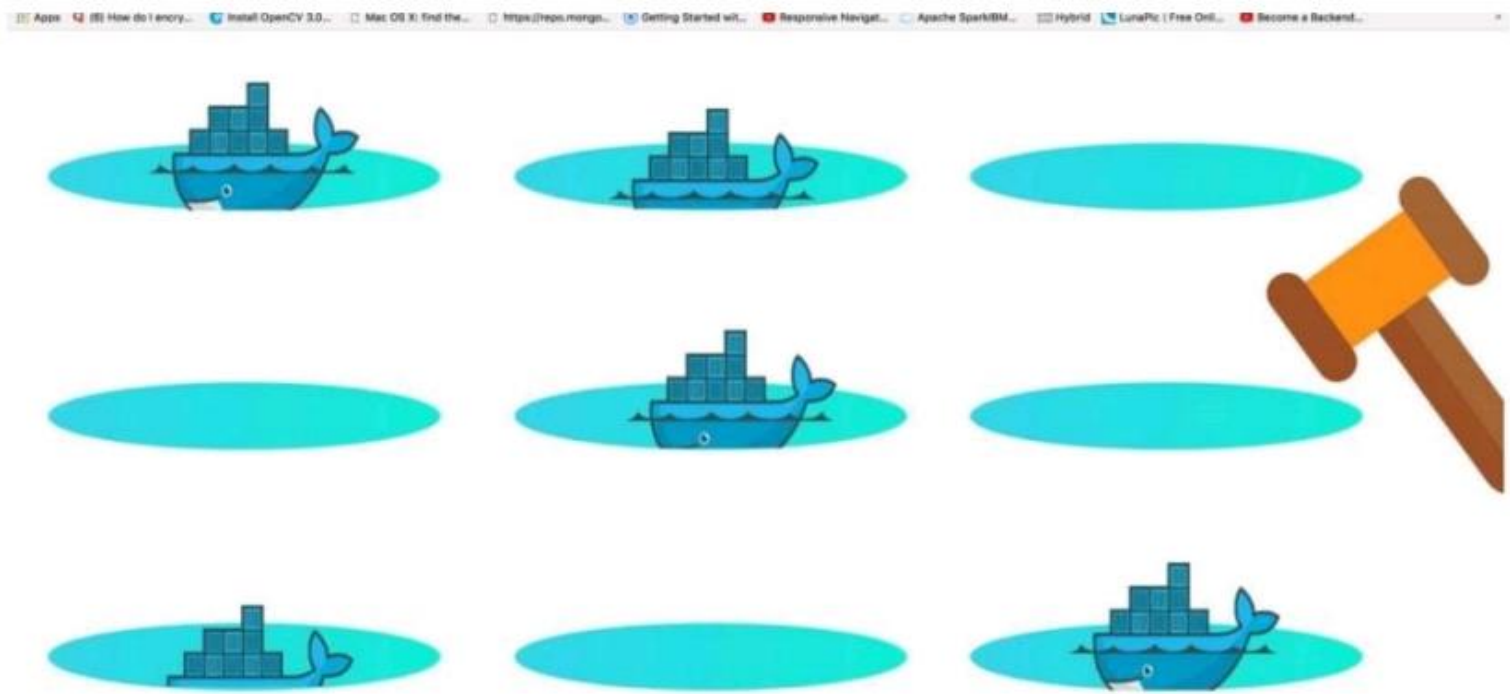


```
kunals-mbp:web kunalmalhotra$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
a905410b27c1: Pushed
b96dea950728: Pushed
437e8db4a234: Pushed
ba9884d50644: Pushed
1989aa0f3739: Layer already exists
7bec9e49c283: Layer already exists
1172bcd1177f: Layer already exists
8eb4c3a69e64: Layer already exists
1fa8778eb779: Layer already exists
fa0c3f992cbd: Layer already exists
ce6466f43b11: Layer already exists
719d45669b35: Layer already exists
3b10514a95be: Layer already exists
latest: digest: sha256:5015254c21592b5ab08168707b74ddd763e97e80b59d9187afa2a80433b9d2ab size: 3061
kunals-mbp:web kunalmalhotra$
```


kunals-mbp:web kunalmalhotra$ ibmcloud cr image-list
Listing images...
REPOSITORY TAG DIGEST NAMESPACE CREATED SIZE SECURITY STATUS
registry.ng.bluemix.net/flask-node/app latest b721dd768fe0 flask-node 1 day ago 366 MB 3 Issues
OK
kunals-mbp:web kunalmalhotra$

DEPLOY IN KUBERNETES CLUSTER




Apps
(8) How do I encry...
Install OpenCV 3.0...
Mac OS X: find the...
https://repo.mongo...
Getting Started wit...
Responsive Navigat...
Apache Spark/IBM...
Hybrid
LunaPic | Free Onli...
Become a Backend...

SAMPLE:

```
$ kubectl apply -f ./deploys/k8s-deployment/deployment.yaml
deployment.apps/k8s-nginx-deployment created
```

RUN THE APPLICATION

```
$ kubectl port-forward svc/k8s-nginx-deployment 8080:80
```

VERIFY THE APPLICATION RUNNING IN THE CLUSTER

```
$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
k8s-nginx-deployment-68d8f8f8f4-f4x6x   1/1     Running   0
30s
```

```
$ curl localhost:8080
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
    body {
        width: 35em;
        margin: 0 auto;
        font-family: Tahoma, Verdana, Arial
```