


## ASSIGNMENT 4

1)

Explore

uifd/ui-for-docker



**uifd/ui-for-docker** ☆

Pulls 10M+

By [uifd](#) • Updated 6 years ago

A web interface for Docker, formerly known as DockerUI. Deprecated, use Portainer for new features.

Image

Overview

Tags

### UI For Docker

This repo is deprecated. Development continues at: [portainer/portainer](#)

chat on gitter

UI For Docker is a web interface for the Docker Remote API. The goal is to provide a pure client side implementation so it is effortless to connect and manage docker.

#### Goals



- Minimal dependencies - I really want to keep this project a pure html/js app.
- Consistency - The web UI should be consistent with the commands found on the docker CLI

#### Docker Pull Command

```
docker pull uifd/ui-for-docker
```

03:47:58

CLOSE SESSION

Instances  

+ ADD NEW INSTANCE


192.168.0.13  
node1

cdqfkg60\_cdqfkrf91rrg00acct10


IP  
192.168.0.13 

OPEN PORT

Memory CPU

SSH  
ssh ip172-18-0-80-cdqfkg60qau000cpja9g@direct.labs.play 

DELETE

 EDITOR

```
$ ls
[node1] (local) root@192.168.0.13 ~
$ pwd
/root
[node1] (local) root@192.168.0.13 ~
$ ls
test.txt
[node1] (local) root@192.168.0.13 ~
$ cat test.txt
abcdefgh
[node1] (local) root@192.168.0.13 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841194d080c8: Pull complete
Digest: sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[node1] (local) root@192.168.0.13 ~
$
```

IBM Cloud

Search resources and products...

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Clusters /

mycluster-free

Normal

Expires in 9 days

Add tags

Help

Kubernetes dashboard

Actions...

Overview

Worker nodes

Worker pools

DevOps New

Pool: Filter...

Search

Add

	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
▼	00000098	Normal	default	Milan 01	10.144.216.222	159.122.175.61	1.23.12_1549

Items per page: 25

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1 of 1 page

```

Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\lenovo>docker pull dharshinipk/getting-started
Using default tag: latest
latest: Pulling from dharshinipk/getting-started
Digest: sha256:8dbeldd48c9fc72acca15d0dbe2734009adb45a2a28a45330bcc0ca2b3ff5d7
Status: Image is up to date for dharshinipk/getting-started:latest
docker.io/dharshinipk/getting-started:latest

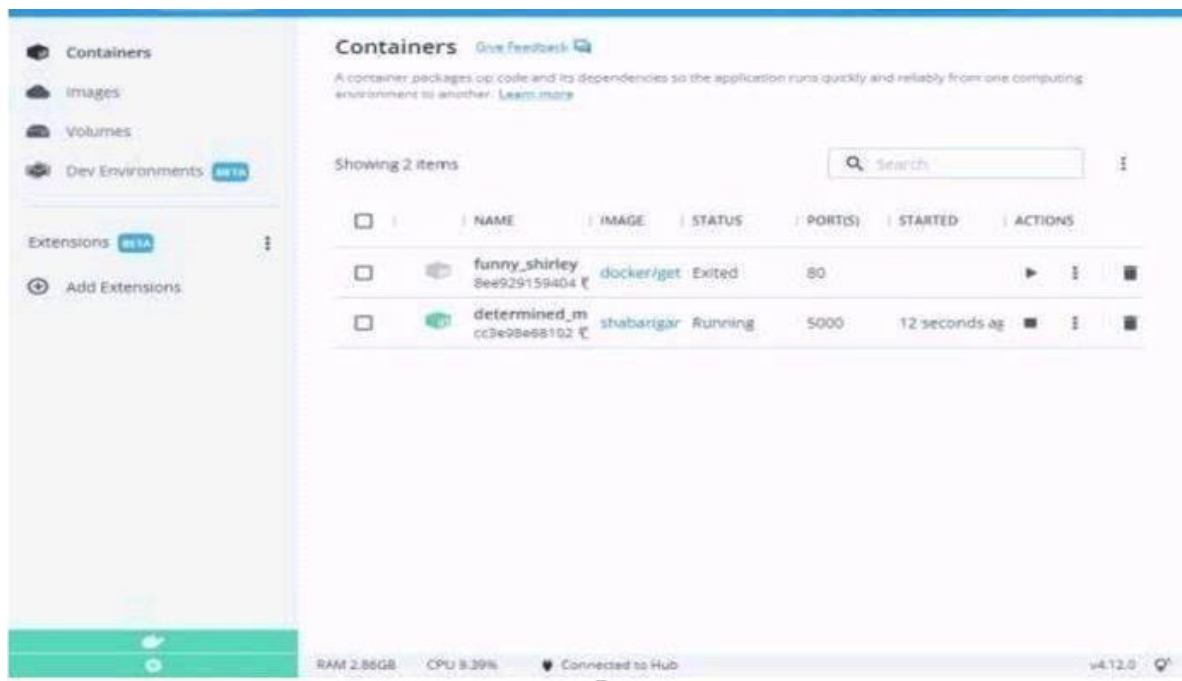
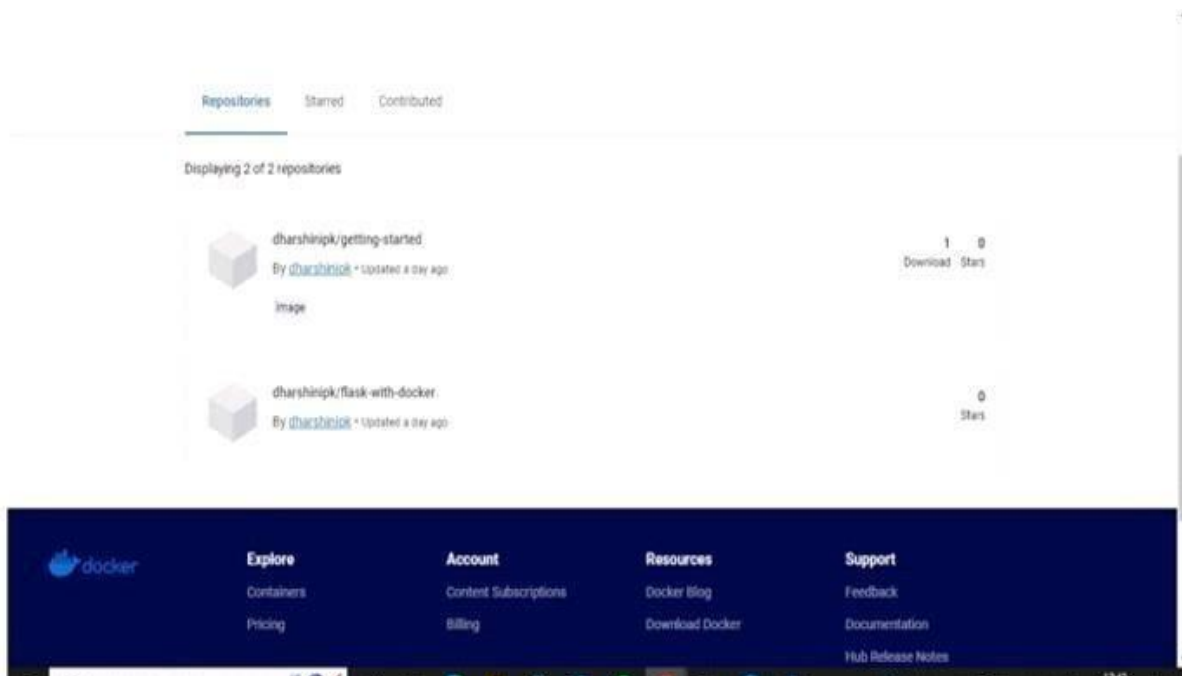
C:\Users\lenovo>docker pull dharshinipk/docker_flask_with_form
Using default tag: latest
Error response from daemon: manifest for dharshinipk/docker_flask_with_form:latest not found: manifest unknown: manifest unknown

C:\Users\lenovo>docker push dharshinipk/docker_flask_with_form
Using default tag: latest
The push refers to repository [docker.io/dharshinipk/docker_flask_with_form]
99633df762e2: Pushed
73ee95d8486b: Pushed
a79bf8c6c6cb: Pushed
583275d8d6cb: Pushed
0fc1deb8136e: Pushed
1fi23186824c: Layer already exists
3d6eb1152931: Layer already exists
100796cdf3b1: Retrying in 1 second
54acb5a0ffa0b: Pushing [----->] 71.27MB/528.7MB
8d51c618126f: Layer already exists
9ff6e4d46744: Pushing [=====] 8.333MB/18.95MB
a80d1d47b5a1: Layer already exists
055ed1b7a428: Layer already exists
net/http: TLS handshake timeout

C:\Users\lenovo>docker images
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
dharshinipk/docker_flask_with_form   latest     94ac771be3b1   23 hours ago   932MB
docker_flask_with_form               latest     94ac771be3b1   23 hours ago   932MB
dharshinipk/getting-started          latest     cb90f98fd791   6 months ago   28.0MB
docker/getting-started               latest     cb90f98fd791   6 months ago   28.0MB

C:\Users\lenovo>docker pull ubuntu:20.04
Error response from daemon: Head "https://registry-1.docker.io/v2/library/ubuntu/manifests/20.04": Get "https://auth.docker.io/token?account=dharshinipk&scope=repository/x3a1library/x2fubuntu/x3apull&service=registry.docker.io": dialing auth.docker.io:443 no HTTPS proxy: connecting to 44.205.64.79:443: dial tcp 44.205.64.79:443: i/o timeout

```



```
C:\Users\sgan\Desktop>cd ..
C:\Users\sgan\Desktop>job_portal>cd ..
C:\Users\sgan\Desktop>job_portal>docker build -t job_portal .
'docker build' requires exactly 1 argument.
See 'docker build --help'.

Usage: docker build [OPTIONS] PATH [URL] ...

Build an image from a Dockerfile

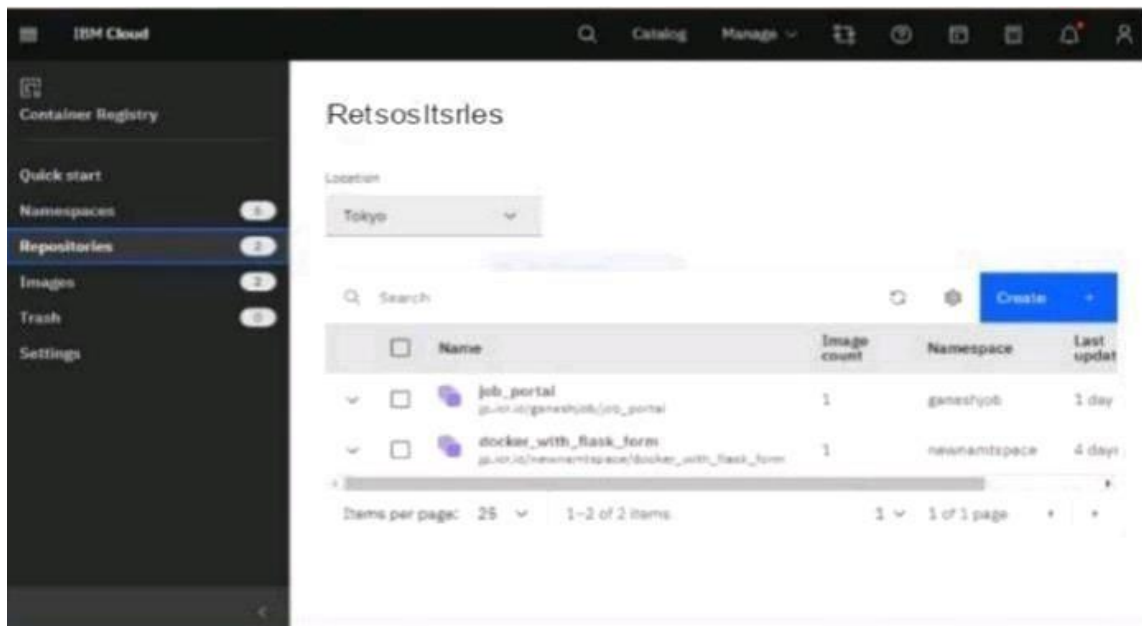
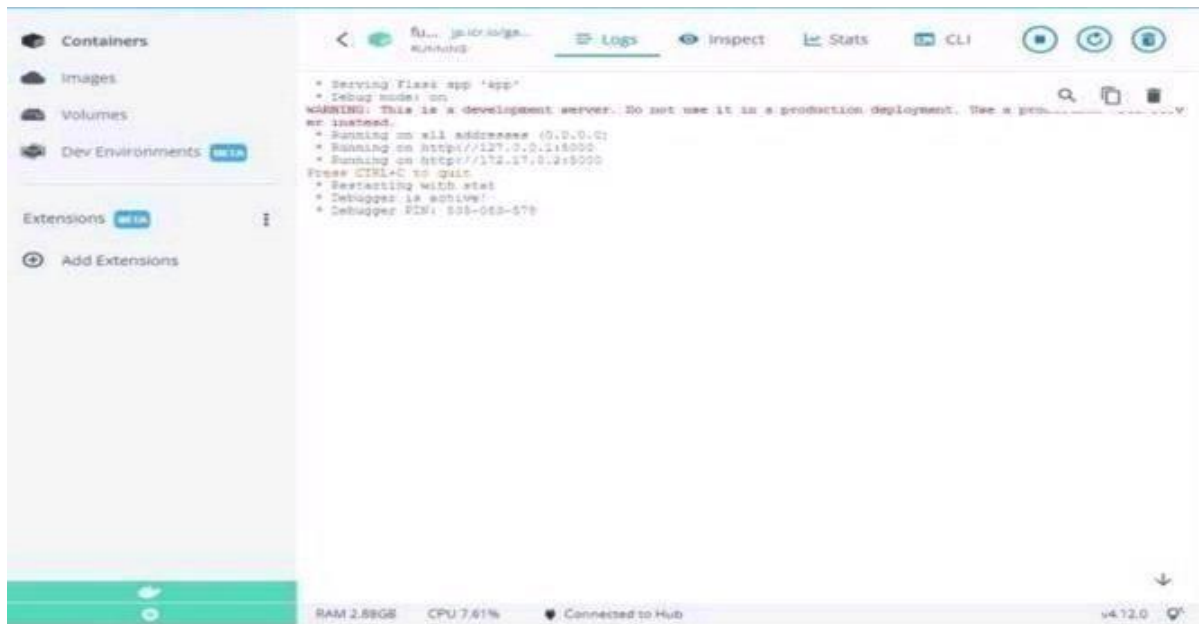
C:\Users\sgan\Desktop>job_portal>dir
Volume in drive C has no label.
Volume Serial Number is 96A1-1080

Directory of C:\Users\sgan\Desktop\job_portal

10/25/2022    04:50 PM         <DIR>          .
10/25/2022    04:53 PM         <DIR>          ..
10/25/2022    04:11 PM           320 app.py
10/22/2022    10:48 PM           148 Dockerfile
10/22/2022    10:18 PM             5 requirements.txt
10/25/2022    04:53 PM         <DIR>          static
10/25/2022    04:53 PM         <DIR>          templates
10/25/2022    04:53 PM         <DIR>          __pycache__
                    5 file(s)              474 bytes
                    5 dir(s)      77,947,934 bytes free

C:\Users\sgan\Desktop>job_portal>docker build -t job_portal .
Invalid argument "job_portal." for "-t, --tag" flag: invalid reference format
See "docker build --help".

C:\Users\sgan\Desktop>job_portal>docker build -t job_portal .
[+] Building 442.4s (14/11) FINISHED
=> [internal] load build definition from Dockerfile
=> [internal] fetching Dockerfile: 5.0M
=> [internal] load metadata for gcr.io/google-containers/python:3.9-slim
=> [internal] creating custom context
=> [internal] creating buildx instance
=> [internal] sending build request to docker buildx v0.10.0-beta.4
=> [internal] preparing buildkit: done
=> [internal] sending build request to buildkit: done
=> [internal] sending build request to buildkit: done
=> [internal] sending build request to buildkit: done
```





```

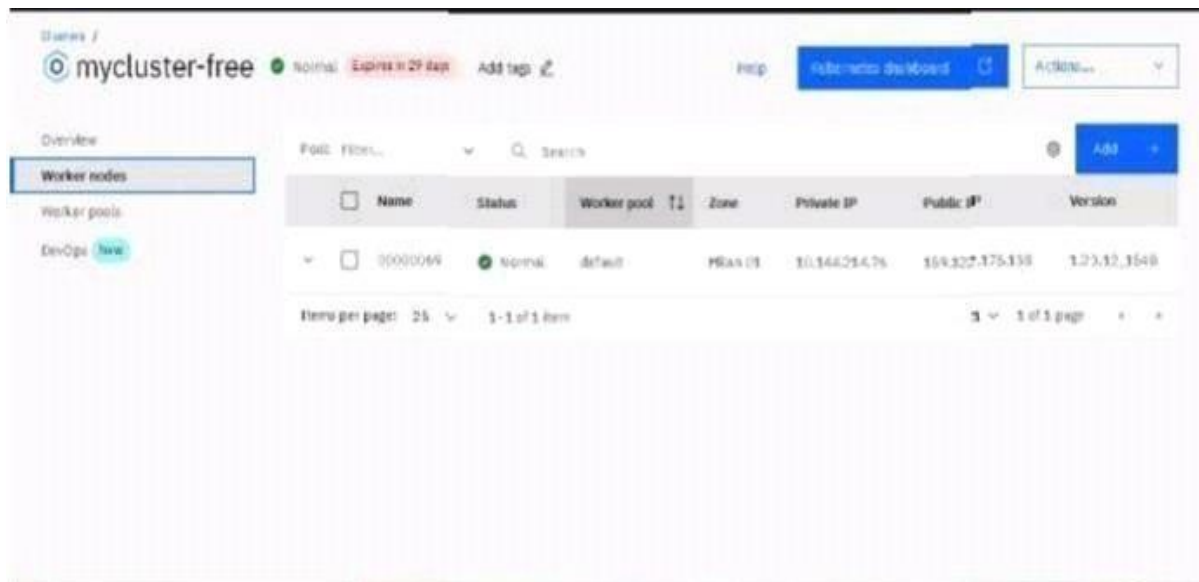
C:\Windows\system32\cmd.exe
54ac5a6fa8b: Retrying in 1 second
8d51c618126f: Retrying in 1 second
b7f6e4d40344: Pushing
a90d104705a1: Pushing
655ed1b74428: Pushing
Failed to lookup host: jp.lcr.io

C:\Users\ganesh\Desktop\job_portal>docker push jp.lcr.io/ganeshjob/job_portal
Using default tag: latest
The push refers to repository [jp.lcr.io/ganeshjob/job_portal]
15b3b158a025: layer already exists
80e94f95e186: Pushed
46c2a744c12b: layer already exists
9b72c7835466: layer already exists
9fc1d6b0136e: layer already exists
1f1231808264: layer already exists
3d6a91152931: Pushed
100796c0f3b1: Pushed
54ac5a6fa8b: Retrying in 1 second
8d51c618126f: Pushed
b7f6e4d40344: Pushed
a90d104705a1: Pushed
655ed1b74428: Pushing [-----] 99.80MB/124MB
%
C:\Users\ganesh\Desktop\job_portal>docker push jp.lcr.io/ganeshjob/job_portal
Using default tag: latest
The push refers to repository [jp.lcr.io/ganeshjob/job_portal]
15b3b158a025: layer already exists
80e94f95e186: layer already exists
46c2a744c12b: layer already exists
9b72c7835466: layer already exists
9fc1d6b0136e: layer already exists
1f1231808264: layer already exists
3d6a91152931: layer already exists
100796c0f3b1: layer already exists
54ac5a6fa8b: Pushed
8d51c618126f: layer already exists
b7f6e4d40344: layer already exists
a90d104705a1: layer already exists
655ed1b74428: Pushed
latest: digest: sha256:e9f1289e7c97e9b908668a54e95cf61a9bed939998cb7a21a7a7961fc207 size: 3952

C:\Users\ganesh\Desktop\job_portal>
C:\Users\ganesh\Desktop\job_portal>

```

4)



Expose the same app to run in noteport

```
C:\Windows\System32\cmd.exe
10/16/2022 12:28 PM          3,721 windows shortcut.txt
08/25/2022 08:40 PM          2,897 YouTube.lnk
          24 File(s)      804,677,196 bytes
          9 Dir(s)  79,221,886,976 bytes free

C:\Users\gani\Desktop>cd deploy
The system cannot find the path specified.

C:\Users\gani\Desktop>kubectl apply -f kubernetes/depoly.yaml
error: the path "kubernetes/depoly.yaml" does not exist

C:\Users\gani\Desktop>kubectl apply -f depoly.yaml
error: the path "depoly.yaml" does not exist

C:\Users\gani\Desktop>kubectl apply -f C:\Users\gani\Desktop\deploy.yaml
deployment.apps/flask-app created

C:\Users\gani\Desktop>
```

```

C:\Windows\System32\cmd.exe
C:\Windows\system32\kubectl expose deployment flask-app --type=NodePort --name=flask-service
The Service "flask-service" is invalid: metadata.name: Invalid value: "flask-service": a DNS-1035 label must consist of lower case alphanumeric characters or '-', start with an alphabetic character, and end with an alphanumeric character (e.g. "my-name", or "abc-123", regex used for validation is "[a-z]([-a-z0-9]*[a-z0-9])?")
C:\Windows\system32\kubectl expose deployment flask-app --type=NodePort --name=flask-service
The Service "flask-service" is invalid: metadata.name: Invalid value: "flask-service": a DNS-1035 label must consist of lower case alphanumeric characters or '-', start with an alphabetic character, and end with an alphanumeric character (e.g. "my-name", or "abc-123", regex used for validation is "[a-z]([-a-z0-9]*[a-z0-9])?")
C:\Windows\system32\kubectl expose deployment flask-app --type=NodePort --name=flask-service
The Service "flask-service" is invalid: metadata.name: Invalid value: "flask-service": a DNS-1035 label must consist of lower case alphanumeric characters or '-', start with an alphabetic character, and end with an alphanumeric character (e.g. "my-name", or "abc-123", regex used for validation is "[a-z]([-a-z0-9]*[a-z0-9])?")
C:\Windows\system32\kubectl expose deployment flask-app --type=NodePort --name=flask-service
Error from server (AlreadyExists): services "flask-service" already exists
C:\Windows\system32>
C:\Windows\system32\kubectl -n kubernetes-dashboard get deploy
%
C:\Windows\system32\kubectl -n kubernetes-dashboard get deploy
No resources found in kubernetes-dashboard namespace.
C:\Windows\system32\kubectl -n kubernetes-dashboard get deploy
No resources found in kubernetes-dashboard namespace.
C:\Windows\system32\kubectl proxy
Starting to serve on 127.0.0.1:8001
%
C:\Windows\system32\kubectl -n kubernetes-dashboard get deploy
%
C:\Windows\system32\kubectl -n kubernetes-dashboard get deploy
No resources found in kubernetes-dashboard namespace.
C:\Windows\system32\kubectl -n kubernetes-dashboard get pods
No resources found in kubernetes-dashboard namespace.
C:\Windows\system32\kubectl expose deployment flask-app --type=NodePort --name=flask-service
Error from server (AlreadyExists): services "flask-service" already exists
C:\Windows\system32\kubectl get ing
NAME          CLASS    HOSTS    ADDRESS    PORTS    AGE
flask-app-ingress  ingress  *                80        27m
C:\Windows\system32\kubectl get svc
NAME          TYPE          CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE

```