

Assignment -4
Docker and Kubernetes

Assignment Date	21 October 2022
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Maximum Marks	2 Marks

1.Pull an image from docker hub and run it in docker Playground



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.

Other 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

Docker Pull Command

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

03:42:30

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.13
node1

cd9an2u3_cd9av060qau0008hbjs0

IP
192.168.0.13

OPEN PORT

Memory CPU

SSH
ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w

DELETE EDITOR

```
# This is a sandbox environment. Using personal credentials  
# is HIGHLY discouraged. Any consequences of doing so are  
# completely the user's responsibilities.  
#  
# The FWD team.  
#####  
[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 ~  
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker  
e590dd163101ae795bdeea0eb1dd98f6fe549cb5f24dab9ff7c1931923fc0d  
[node1] (local) root@192.168.0.13 ~  
$
```

The image displays two screenshots of the 'UI For Docker' web application interface. The top screenshot shows the 'Running Containers' section with one container 'beautiful_goldwasser' and a 'Status' donut chart. The bottom screenshot shows the 'Containers created' and 'Images created' sections with line graphs.

UI For Docker

Dashboard Containers Containers Network Images Networks Volumes Info Refresh

UI For Docker

The UI for Docker container engine

Learn more.

Running Containers

- beautiful_goldwasser Up About a minute

Status

Running Containers

- beautiful_goldwasser Up About a minute

Status

Running Stopped Ghost

Containers created

1

0

21/10/2022

Images created

1

2.Create a docker file for the job portal application and deploy it in Docker desktop application

C:\Windows\System32\cmd.exe

```
>> [Internal] load build definition from Dockerfile
>> transferring dockerfile: 32B
>> [Internal] load .dockerignore
>> transferring context: 2B
>> [Internal] load metadata for docker.io/library/python:3.6
>> [auth] library/python:pull token for registry-1.docker.io
>> [Internal] load build context
>> transferring context: 887B
>> [1/6] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
>> resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
>> sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 1.86kB / 1.86kB
>> sha256:d0974907a8ec079df5ac31872359c2de510f82214c0448e926393b376d3b0d0 2.22kB / 2.22kB
>> sha256:54200638d07c5e3ad24c6e21fc889abbc8486a27634c0892006ff71f3f44b104 0.27kB / 0.27kB
>> sha256:0e29546d541cddb309261d21a73a9d1db78665c1b95b7af32b009e0b7796e1e3 54.92MB / 54.92MB
>> sha256:0a829c73b52b92b9705c07a54f0e3a021095a296c714b33a32ae67d19231fcd 5.15MB / 5.15MB
>> sha256:cb5b7ae361722f070ec653f35823ad21baa85d61d5d95cd5a95ab53d740ecd56 10.87MB / 10.87MB
>> sha256:6404e4811622b31c027ccac322ca463937f4805f560a930ef15c01aade718793 54.57MB / 54.57MB
>> sha256:6f9f74896dfa93fe0172f594fab85e0b4e8a0481a0fef09112efc7e4d3c78f7 196.51MB / 196.51MB
>> sha256:5e3b1213efc56598e78bd002983945c164de2a37205e06ae2dada823124dc743 6.29MB / 6.29MB
>> extracting sha256:0e29546d541cddb309261d21a73a9d1db78665c1b95b7af32b009e0b7796e1e3
>> sha256:9fdddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB
>> extracting sha256:0a829c73b52b92b97d5c07a54f0e3a021095a296c714b33a32ae67d19231fcd
>> extracting sha256:cb5b7ae361722f070ec653f35823ad21baa85d61d5d95cd5a95ab53d740ecd56
>> sha256:404f02044bac0432ca522cbb9f254b1c91fcae6800bfeef0be0b243b2f31bab7 235B / 235B
>> sha256:c4f42be2be53b000ebffcc040c1df13de538434ccc5f5d954a5684ba6169a3a3f 2.21MB / 2.21MB
>> extracting sha256:6404e4811622b31c027ccac322ca463937f4805f560a930ef15c01aade718793
>> extracting sha256:6f9f74896dfa93fe0172f594fab85e0b4e8a0481a0fef09112efc7e4d3c78f7
>> extracting sha256:5e3b1213efc56598e78bd002983945c164de2a37205e06ae2dada823124dc743
>> extracting sha256:9fdddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752
>> extracting sha256:404f02044bac0432ca522cbb9f254b1c91fcae6800bfeef0be0b243b2f31bab7
>> extracting sha256:c4f42be2be53b000ebffcc040c1df13de538434ccc5f5d954a5684ba6169a3a3f
>> [2/6] WORKDIR /app
>> [3/6] ADD ./app
>> [4/6] COPY requirements.txt /app
>> [5/6] RUN python3 -m pip install -r requirements.txt
>> [6/6] RUN python3 -m pip install ibm_db
>> exporting to image
>> exporting layers
>> writing image sha256:1756719486df00f2ad5dae385c5221513f2ff2d1b49a8d242b22a28af0379f19
>> naming to docker.io/library/job-portal-main
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
C:\Users\VK-PC\Desktop\job-portal-main>
```

Docker Desktop Upgrade plan

Containers Images Volumes Dev Environments BETA Extensions BETA Add Extensions

Images on disk Last refresh: about 1 hour ago 1 Images 0 Bytes total size Refresh to see disk usage Clean up

Images Give feedback

LOCAL REMOTE REPOSITORIES

Search

☐ In use only

NAME	TAG	IMAGE ID	CREATED	SIZE
job-portal-main	latest	1756719486df	less than a minute ago	1.08 GB

RAM 2.53GB CPU 1.56% Connected to Hub v4.13.0

3.Create a IBM container registry and deploy helloworld app